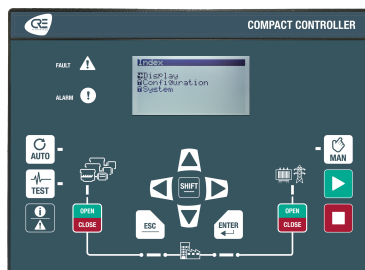




# MODBUS TABLE MASTER COMPACT



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## MODBUS TCP/IP

### ABILITIES

An Ethernet communication can be established between a Modbus master device and the controller which acts as a Modbus slave.

The Modbus master device can read/write many internal variables of the controller according to their access rights described below.

Type	Range	Default access right
Readings (measurements, states,...).	[0000] ... [1999]	Read only.
Parameters.	[2000] ... [3999]	Read/Write.
Modes, statuses, settings,... Readings associated with digital inputs.	[4000] ... [9999] [4500] ... [4649], [4950]...[4999]	Read. Write (subject to activation).

In addition, the following functions are supported:

- Reading bit fields, listed in a dedicated tab of the file and organized in 16-bit words.
- Reading contiguous configurable data block.

Those functions allow a significant performance gain and help reducing the load on an Ethernet network.

### CONFIGURATION

To communicate through Modbus/TCP, define the following settings:

- The module IP address set in the **Controller settings** ⇒ **System** ⇒ **Network** page.
- The *Modbus TCP port* [3014], generally 502, set in the **Controller settings** ⇒ **System** ⇒ **Network** page.
- The Modbus/TCP rights: see further.

The module handles up to 6 simultaneous connections. This can be used for multiple HMIs for example. .



**Warning:**

Connecting the controller to an *i4Gen* device or the *i4Gen Suite* software will utilize one Modbus connection.

### FUNCTIONS

The module supports the following Modbus functions:

Functions	Description
01, 02	Read logical data (Coil status, discrete input status).
03, 04	Read holding/input registers (16 bit).
05	Write logical value (single coil).
06	Write single register (16-bit variable).
15 (0x0F)	Write multiple logical values (multiple coils).
16 (0x10)	Write multiple registers.

## MODBUS TABLE

All module variables are 16-bit registers. Yet it might be useful to consider them as logical values (if they are only set to 0 or 1) to simplify the Modbus/TCP protocol communication with some external PLC. If function 01 or 02 is used to read an internal register that is different from 0, then returned value will be 1.

The module registers start from address 0. Depending on your Modbus/TCP client equipment-software, you may need to use an offset of 1 when reading/writing registers as addresses may start from address 1. In this case, request address/register number 1 to access variable 0000 inside the module.

The 32-bit variables can only be written using 0x10 function.

If a digital input modifies a piece of data also to be written via Modbus, the latest request takes over the other.

Data [10000]...[10299] can be read by block (see further).

## ACCESS RIGHTS

The access rights depend on the parameter type and on Modbus access permissions. To manage access rights, set to 1 the corresponding bits in the register [3015]:

Description	Bit #	Default value
Writing date/ time	0	0
Writing engine counters	1	0
Not used	2	0
Writing digital input function register	3	1
Not used	4	0
Not used	5	0
Not used	6	0
Not used	7	0
Reading via Modbus/TCP	8	1
Writing via Modbus/TCP	9	1

Using the **Controller settings** ⇒ **Programming** ⇒ **Modbus** ⇒ **Modbus rights (i4Gen)** page, you can tick checkboxes to set those:

Bit #	Label	Description
0	Writing to date/ time	Module time synchronization.
1	Writing to Engine counters	Manual counters adjustment (see following table).
3	Writing to digital input function register	Opens the possibility to activate a digital input function using Modbus/TCP protocol.
8	Reading using Modbus/TCP protocol	Opens the possibility to grant reading individual permissions.
9	Writing using Modbus/TCP protocol	Opens the possibility to grant writing individual permissions.

The counters, encoded on 32 bits, include:

Meters (MSB LSB)	Label
[80]   [79]	
[82]   [81]	
[84]   [83]	<i>Number of hours generator running</i>

## BIT FIELDS

Bit fields are meant for decreasing communication bus load. They pack up to 16 logic variables inside a single register. This way, a single Modbus/TCP request can be used to read a group of information. Each variable contains the current value of 16 logic variables such as breaker positions, faults, alarms...



**Note:** Available data are related only to faults that occurred after the latest power up sequence. Events that occurred before the module has been power cycled are listed in the fault pages but not among the variables.

### Example:

The table below shows a Modbus/TCP client sending a reading request (function 04) of 6 registers starting from variable [79].

Client request		Module server response	
Field	Value	Field	Value
Function code	04	Required function.	04
Starting Register (MSB)	00	Data bytes (= 2 * Number of requested registers).	6
Starting Register (LSB)	79	Value of register 0079 (MSB).	D0
Count of registers (MSB)	00	Value of register 0079 (LSB).	D1
Count of registers (LSB)	06	Value of register 0080 (MSB).	D2
		Value of register 0080 (LSB).	D3
		Value of register 0081 (MSB).	D4
		Value of register 0081 (LSB).	D5



## VARIABLES

### COMMANDS

<b>Variable</b>	kW Setpoint
<b>Address</b>	[361]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-2000
<b>Max value</b>	2000
<b>Description</b>	KW setpoint when in load sharing

<b>Variable</b>	kVAR Setpoint
<b>Address</b>	[362]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-2000
<b>Max value</b>	2000
<b>Description</b>	KVar setpoint when in load sharing

<b>Variable</b>	Horn
<b>Address</b>	[4663]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	External horn or warning light. Activated whenever a fault/alarm triggers. The output is disable on acknowledgment or reset. Horn timer is adjustable in timer menu (0s = permanent activation).

## MODBUS TABLE

<b>Variable</b>	Bus breaker closure
<b>Address</b>	[4675]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Command to close the breaker. Output signal (pulse or continue) will depend on configuration in Breaker settings.

<b>Variable</b>	Mains breaker close
<b>Address</b>	[4676]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Command to close the breaker. Output signal (pulse or continue) will depend on configuration in Breaker settings.

<b>Variable</b>	Bus breaker opening
<b>Address</b>	[4677]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Command to open the breaker. Output signal (pulse or continue) will depend on configuration in Breaker settings.

## MODBUS TABLE

<b>Variable</b>	Mains breaker open
<b>Address</b>	[4678]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Command to open the breaker. Output signal (pulse or continue) will depend on configuration in Breaker settings.

<b>Variable</b>	1st non essential trip
<b>Address</b>	[4689]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	In case Load Shedding function is used: Load 1 to be shed in first

<b>Variable</b>	2nd non essential trip
<b>Address</b>	[4690]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	In case Load Shedding function is used: Load 2 to be shed after load 1

<b>Variable</b>	3rd non essential trip
<b>Address</b>	[4691]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	In case Load Shedding function is used: Load 3 to be shed after load 2

## MODBUS TABLE

<b>Variable</b>	4th non essential trip
<b>Address</b>	[4692]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	In case Load Shedding function is used: Load 4 to be shed after load 3

<b>Variable</b>	5th non essential trip
<b>Address</b>	[4693]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	In case Load Shedding function is used: Load 5 to be shed after load 4

<b>Variable</b>	Unload breaker n°1
<b>Address</b>	[4721]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Use only with 'Unload breakers function'. Output function activated when the conditions to close the breaker of the load n°1 are met

<b>Variable</b>	Unload breaker n°2
<b>Address</b>	[4722]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Use only with 'Unload breakers function'. Output function activated when the conditions to close the breaker of the load n°2 are met

## MODBUS TABLE

<b>Variable</b>	Unload breaker n°3
<b>Address</b>	[4723]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Use only with 'Unload breakers function'. Output function activated when the conditions to close the breaker of the load n°3 are met

<b>Variable</b>	Unload breaker n°4
<b>Address</b>	[4724]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Use only with 'Unload breakers function'. Output function activated when the conditions to close the breaker of the load n°4 are met

<b>Variable</b>	Unload breaker n°5
<b>Address</b>	[4725]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Use only with 'Unload breakers function'. Output function activated when the conditions to close the breaker of the load n°5 are met

## MODBUS TABLE

<b>Variable</b>	Unload breaker n°6
<b>Address</b>	[4726]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Use only with 'Unload breakers function'. Output function activated when the conditions to close the breaker of the load n°6 are met

<b>Variable</b>	Unload breaker n°7
<b>Address</b>	[4727]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Use only with 'Unload breakers function'. Output function activated when the conditions to close the breaker of the load n°7 are met

<b>Variable</b>	Unload breaker n°8
<b>Address</b>	[4728]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Use only with 'Unload breakers function'. Output function activated when the conditions to close the breaker of the load n°8 are met

## MODBUS TABLE

<b>Variable</b>	Unload breaker n°9
<b>Address</b>	[4729]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Use only with 'Unload breakers function'. Output function activated when the conditions to close the breaker of the load n°9 are met

<b>Variable</b>	Unload breaker n°10
<b>Address</b>	[4730]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Use only with 'Unload breakers function'. Output function activated when the conditions to close the breaker of the load n°10 are met

<b>Variable</b>	Faults reset
<b>Address</b>	[4737]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Active when a Fault RESET is requested on controller.

## BUS

<b>Variable</b>	Bus V1
<b>Address</b>	[50]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Bus voltage neutral to phase 1

<b>Variable</b>	Bus V2
<b>Address</b>	[51]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Bus voltage neutral to phase 2

<b>Variable</b>	Bus V3
<b>Address</b>	[52]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Bus voltage neutral to phase 3



## MODBUS TABLE

<b>Variable</b>	Bus U31
<b>Address</b>	[53]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-2000
<b>Max value</b>	2000
<b>Description</b>	Bus Line to line voltage U31 in % of nominal voltage

<b>Variable</b>	Bus U23
<b>Address</b>	[54]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-2000
<b>Max value</b>	2000
<b>Description</b>	Bus Line to line voltage U23 in % of nominal voltage

<b>Variable</b>	Bus U12
<b>Address</b>	[55]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-2000
<b>Max value</b>	2000
<b>Description</b>	Bus Line to line voltage U12 in % of nominal voltage

<b>Variable</b>	Bus U31
<b>Address</b>	[56]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Bus voltage phase 1 to phase 3

## MODBUS TABLE

<b>Variable</b>	Bus U23
<b>Address</b>	[57]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Bus voltage phase 3 to phase 2

<b>Variable</b>	Bus U12
<b>Address</b>	[58]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Bus voltage phase 2 to phase 1

<b>Variable</b>	Bus I1
<b>Address</b>	[59]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Bus current I1

<b>Variable</b>	Bus neutral current
<b>Address</b>	[62]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Bus neutral current

## MODBUS TABLE

<b>Variable</b>	Bus cos( $\varphi$ )
<b>Address</b>	[74]
<b>Scale Factor</b>	2
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-100
<b>Max value</b>	100
<b>Description</b>	Bus global PF

<b>Variable</b>	Bus frequency
<b>Address</b>	[75]
<b>Scale Factor</b>	2
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	10000
<b>Description</b>	Bus frequency

<b>Variable</b>	Bus frequency
<b>Address</b>	[76]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-2000
<b>Max value</b>	2000
<b>Description</b>	Bus frequency in % of active nominal frequency

<b>Variable</b>	Voltage diff.
<b>Address</b>	[300]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-2000
<b>Max value</b>	2000
<b>Description</b>	Difference of voltage

## MODBUS TABLE

<b>Variable</b>	Freq. diff.
<b>Address</b>	[301]
<b>Scale Factor</b>	2
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-10000
<b>Max value</b>	10000
<b>Description</b>	Difference of frequency

<b>Variable</b>	Phase diff.
<b>Address</b>	[302]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-180
<b>Max value</b>	180
<b>Description</b>	Difference of phase (filter)

<b>Variable</b>	Phase Sequence (0 = indirect, 1=direct, 2=Error, 3=No Signal)
<b>Address</b>	[304]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Rotophase : Phi sequence of the genset polarity (0 = indirect, 1=direct, 2=Error, 3=No Signal )

<b>Variable</b>	Bus total P
<b>Address</b>	[369]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Bus global kW

## MODBUS TABLE

<b>Variable</b>	Bus total Q
<b>Address</b>	[370]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Bus global kVAR

<b>Variable</b>	Fail to close bus breaker
<b>Address</b>	[4154]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Fault report: The automated system tried to close the circuit breaker without success

<b>Variable</b>	Fail to open bus breaker
<b>Address</b>	[4155]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Fault report: The automated system tried to open the circuit breaker without success

## MODBUS TABLE

<b>Variable</b>	Bus breaker open suddenly
<b>Address</b>	[4156]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Fault report: The circuit breaker has opened without any request for opening from the automated system

<b>Variable</b>	Bus breaker close suddenly
<b>Address</b>	[4170]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Fault report: The circuit breaker has closed without any request for closing from the automated system

<b>Variable</b>	Bus breaker state
<b>Address</b>	[4650]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Status report: Gives the state desired by the automated system for the circuit breaker (0: opening / 1: closing). Not to be confused with the closing command, whose behaviour depends on the configuration (Contact, Impulse, etc).

## MODBUS TABLE

<b>Variable</b>	Power plant ready
<b>Address</b>	[4670]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Status report: Power plant ready. All generators are providing stable frequency and voltage on the bus.

<b>Variable</b>	Power plant ready and breaker closed
<b>Address</b>	[4672]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Status report: Active if generator(s) are producing

## MAINS

<b>Variable</b>	Mains V1
<b>Address</b>	[100]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Bus/Mains voltage neutral to phase 1

## MODBUS TABLE

<b>Variable</b>	Mains V2
<b>Address</b>	[101]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Bus/Mains voltage neutral to phase 2

<b>Variable</b>	Mains V3
<b>Address</b>	[102]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Bus/Mains voltage neutral to phase 3

<b>Variable</b>	Mains U31 (%)
<b>Address</b>	[103]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-2000
<b>Max value</b>	2000
<b>Description</b>	Bus/Mains Line to line voltage U31 in % of nominal voltage

<b>Variable</b>	Mains U23 (%)
<b>Address</b>	[104]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-2000
<b>Max value</b>	2000
<b>Description</b>	Bus/Mains Line to line voltage U23 in % of nominal voltage



## MODBUS TABLE

<b>Variable</b>	Mains U12 (%)
<b>Address</b>	[105]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-2000
<b>Max value</b>	2000
<b>Description</b>	Bus/Mains Line to line voltage U12 in % of nominal voltage

<b>Variable</b>	Mains U31
<b>Address</b>	[106]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Bus/Mains voltage phase 1 to phase 3

<b>Variable</b>	Mains U23
<b>Address</b>	[107]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Bus/Mains voltage phase 3 to phase 2

<b>Variable</b>	Mains U12
<b>Address</b>	[108]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Bus/Mains voltage phase 2 to phase 1

## MODBUS TABLE

<b>Variable</b>	Mains I1
<b>Address</b>	[109]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Bus/Mains current I1

<b>Variable</b>	Mains I2
<b>Address</b>	[110]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Bus/Mains current I2

<b>Variable</b>	Mains I3
<b>Address</b>	[111]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Bus/Mains current I3

<b>Variable</b>	Mains $\cos(\varphi)$
<b>Address</b>	[114]
<b>Scale Factor</b>	2
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-100
<b>Max value</b>	100
<b>Description</b>	Bus/Mains global PF

## MODBUS TABLE

<b>Variable</b>	Mains cos( $\varphi$ 1)
<b>Address</b>	[115]
<b>Scale Factor</b>	2
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-100
<b>Max value</b>	100
<b>Description</b>	Bus/Mains PF 1

<b>Variable</b>	Mains cos( $\varphi$ 2)
<b>Address</b>	[116]
<b>Scale Factor</b>	2
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-100
<b>Max value</b>	100
<b>Description</b>	Bus/Mains PF 2

<b>Variable</b>	Mains cos( $\varphi$ 3)
<b>Address</b>	[117]
<b>Scale Factor</b>	2
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-100
<b>Max value</b>	100
<b>Description</b>	Bus/Mains PF 3

<b>Variable</b>	Mains frequency
<b>Address</b>	[118]
<b>Scale Factor</b>	2
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	10000
<b>Description</b>	Bus/Mains frequency

## MODBUS TABLE

<b>Variable</b>	Mains frequency (%)
<b>Address</b>	[119]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-2000
<b>Max value</b>	2000
<b>Description</b>	Bus/Mains frequency in % of active nominal frequency

<b>Variable</b>	Mains KWh
<b>Address</b>	[120]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 32 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	4294967295
<b>Description</b>	Mains kWH (lower bytes)

<b>Variable</b>	Mains kVARh energy
<b>Address</b>	[122]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 32 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	4294967295
<b>Description</b>	Mains kVARH (lower bytes)

<b>Variable</b>	Mains P1
<b>Address</b>	[134]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Bus/Mains kW 1

## MODBUS TABLE

<b>Variable</b>	Mains P2
<b>Address</b>	[135]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Bus/Mains kW 2

<b>Variable</b>	Mains P3
<b>Address</b>	[136]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Bus/Mains kW 3

<b>Variable</b>	Mains Q1
<b>Address</b>	[137]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Bus/Mains kVAR 1

<b>Variable</b>	Mains Q2
<b>Address</b>	[138]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Bus/Mains kVAR 2

## MODBUS TABLE

<b>Variable</b>	Mains Q3
<b>Address</b>	[139]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Bus/Mains kVAR 3

<b>Variable</b>	Mains total P
<b>Address</b>	[140]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Bus/Mains global kW

<b>Variable</b>	Mains total Q
<b>Address</b>	[141]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Bus/Mains global kVAR

<b>Variable</b>	Phase Sequence (0 = indirect, 1=direct, 2=Error, 3=No Signal)
<b>Address</b>	[305]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Rotophase : Phi sequence of the busbar polarity (0 = indirect, 1=direct, 2=Error, 3=No Signal )

## MODBUS TABLE

<b>Variable</b>	Fail to close mains breaker
<b>Address</b>	[4157]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Fault report: The automated system tried to close the circuit breaker without success

<b>Variable</b>	Fail to open mains breaker
<b>Address</b>	[4158]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Fault report: The automated system tried to open the circuit breaker without success

<b>Variable</b>	Mains breaker open suddenly
<b>Address</b>	[4159]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Fault report: The circuit breaker has opened without any request for opening from the automated system

## MODBUS TABLE

<b>Variable</b>	Mains breaker close suddenly
<b>Address</b>	[4171]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Fault report: The circuit breaker has closed without any request for closing from the automated system

<b>Variable</b>	Mains breaker state
<b>Address</b>	[4651]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Status report: Gives the state desired by the automated system for the circuit breaker (0: opening / 1: closing). Not to be confused with the closing command, whose behaviour depends on the configuration (Contact, Impulse, etc.

<b>Variable</b>	Bus/Mains voltage presence
<b>Address</b>	[4703]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Status report: Activated when mains is present, and valid (i.e after mains back delay [2009] occurred) and no mains electrical fault activated.



## INPUTS/OUTPUTS

<b>Variable</b>	Analog 1 (Customisable)
<b>Address</b>	[150]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Analog 1 measure

<b>Variable</b>	Analog 2 (Customisable)
<b>Address</b>	[151]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Analog 2 measure

<b>Variable</b>	Analog 3 (Customisable)
<b>Address</b>	[152]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Analog 3 measure

## MODBUS TABLE

<b>Variable</b>	Battery voltage
<b>Address</b>	[204]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	500
<b>Description</b>	Battery voltage measure

<b>Variable</b>	Input 1 (Customisable)
<b>Address</b>	[250]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	<p>Digital input n°1 of the product.</p> <p>Select a normally open polarity if the input is connected to 0V when the input should be considered active.</p> <p>Select a normally closed polarity if the input is connected to 0V when the input must be considered inactive.</p> <p>The validity indicates when the digital input should be taken into account.</p> <p>The T ON delay allows you to add a delay between the moment when the digital input is physically activated and the moment when the product considers it active for the automated system.</p> <p>The T OFF time delay allows you to add a delay between the moment when the digital input is physically disabled and the moment when the product considers it inactive for the automated system.</p>

## MODBUS TABLE

<b>Variable</b>	Input 2 (Customisable)
<b>Address</b>	[251]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	<p>Digital input n°2 of the product.</p> <p>Select a normally open polarity if the input is connected to 0V when the input should be considered active.</p> <p>Select a normally closed polarity if the input is connected to 0V when the input must be considered inactive.</p> <p>The validity indicates when the digital input should be taken into account.</p> <p>The T ON delay allows you to add a delay between the moment when the digital input is physically activated and the moment when the product considers it active for the automated system.</p> <p>The T OFF time delay allows you to add a delay between the moment when the digital input is physically disabled and the moment when the product considers it inactive for the automated system.</p>

<b>Variable</b>	Input 3 (Customisable)
<b>Address</b>	[252]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	<p>Digital input n°3 of the product.</p> <p>Select a normally open polarity if the input is connected to 0V when the input should be considered active.</p> <p>Select a normally closed polarity if the input is connected to 0V when the input must be considered inactive.</p> <p>The validity indicates when the digital input should be taken into account.</p> <p>The T ON delay allows you to add a delay between the moment when the digital input is physically activated and the moment when the product considers it active for the automated system.</p> <p>The T OFF time delay allows you to add a delay between the moment when the digital input is physically disabled and the moment when the product considers it inactive for the automated system.</p>

## MODBUS TABLE

<b>Variable</b>	Input 4 (Customisable)
<b>Address</b>	[253]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	<p>Digital input n°4 of the product.</p> <p>Select a normally open polarity if the input is connected to 0V when the input should be considered active.</p> <p>Select a normally closed polarity if the input is connected to 0V when the input must be considered inactive.</p> <p>The validity indicates when the digital input should be taken into account.</p> <p>The T ON delay allows you to add a delay between the moment when the digital input is physically activated and the moment when the product considers it active for the automated system.</p> <p>The T OFF time delay allows you to add a delay between the moment when the digital input is physically disabled and the moment when the product considers it inactive for the automated system.</p>

<b>Variable</b>	Input 5 (Customisable)
<b>Address</b>	[254]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	<p>Digital input n°5 of the product.</p> <p>Select a normally open polarity if the input is connected to 0V when the input should be considered active.</p> <p>Select a normally closed polarity if the input is connected to 0V when the input must be considered inactive.</p> <p>The validity indicates when the digital input should be taken into account.</p> <p>The T ON delay allows you to add a delay between the moment when the digital input is physically activated and the moment when the product considers it active for the automated system.</p> <p>The T OFF time delay allows you to add a delay between the moment when the digital input is physically disabled and the moment when the product considers it inactive for the automated system.</p>

## MODBUS TABLE

<b>Variable</b>	Input 6 (Customisable)
<b>Address</b>	[255]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	<p>Digital input n°6 of the product.</p> <p>Select a normally open polarity if the input is connected to 0V when the input should be considered active.</p> <p>Select a normally closed polarity if the input is connected to 0V when the input must be considered inactive.</p> <p>The validity indicates when the digital input should be taken into account.</p> <p>The T ON delay allows you to add a delay between the moment when the digital input is physically activated and the moment when the product considers it active for the automated system.</p> <p>The T OFF time delay allows you to add a delay between the moment when the digital input is physically disabled and the moment when the product considers it inactive for the automated system.</p>

<b>Variable</b>	Input 7 (Customisable)
<b>Address</b>	[256]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	<p>Digital input n°7 of the product.</p> <p>Select a normally open polarity if the input is connected to 0V when the input should be considered active.</p> <p>Select a normally closed polarity if the input is connected to 0V when the input must be considered inactive.</p> <p>The validity indicates when the digital input should be taken into account.</p> <p>The T ON delay allows you to add a delay between the moment when the digital input is physically activated and the moment when the product considers it active for the automated system.</p> <p>The T OFF time delay allows you to add a delay between the moment when the digital input is physically disabled and the moment when the product considers it inactive for the automated system.</p>

## MODBUS TABLE

<b>Variable</b>	Input 8 (Customisable)
<b>Address</b>	[257]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	<p>Digital input n°8 of the product.</p> <p>Select a normally open polarity if the input is connected to 0V when the input should be considered active.</p> <p>Select a normally closed polarity if the input is connected to 0V when the input must be considered inactive.</p> <p>The validity indicates when the digital input should be taken into account.</p> <p>The T ON delay allows you to add a delay between the moment when the digital input is physically activated and the moment when the product considers it active for the automated system.</p> <p>The T OFF time delay allows you to add a delay between the moment when the digital input is physically disabled and the moment when the product considers it inactive for the automated system.</p>

<b>Variable</b>	Input 9 (Customisable)
<b>Address</b>	[258]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	<p>Digital input n°9 of the product.</p> <p>Select a normally open polarity if the input is connected to 0V when the input should be considered active.</p> <p>Select a normally closed polarity if the input is connected to 0V when the input must be considered inactive.</p> <p>The validity indicates when the digital input should be taken into account.</p> <p>The T ON delay allows you to add a delay between the moment when the digital input is physically activated and the moment when the product considers it active for the automated system.</p> <p>The T OFF time delay allows you to add a delay between the moment when the digital input is physically disabled and the moment when the product considers it inactive for the automated system.</p>

## MODBUS TABLE

<b>Variable</b>	Analog 1 (Customisable)
<b>Address</b>	[259]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Digital input 10 (Analog1 set as Digital input)

<b>Variable</b>	Analog 2 (Customisable)
<b>Address</b>	[260]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Digital input 11 (Analog2 set as Digital input)

<b>Variable</b>	Analog 3 (Customisable)
<b>Address</b>	[261]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Digital input 12 (Analog3 set as Digital input)

<b>Variable</b>	Output 1 (Customisable)
<b>Address</b>	[4350]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Real time displayed status of Digital Output 1

## MODBUS TABLE

<b>Variable</b>	Output 2 (Customisable)
<b>Address</b>	[4351]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Real time displayed status of Digital Output 2

<b>Variable</b>	Output 3 (Customisable)
<b>Address</b>	[4352]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Real time displayed status of Digital Output 3

<b>Variable</b>	Output 4 (Customisable)
<b>Address</b>	[4353]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Real time displayed status of Digital Output 4

<b>Variable</b>	Output 5 (Customisable)
<b>Address</b>	[4354]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Real time displayed status of Digital Output 5



## MODBUS TABLE

<b>Variable</b>	Output 6 (Customisable)
<b>Address</b>	[4355]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Real time displayed status of Digital Output 6

<b>Variable</b>	Relay 1 (Customisable)
<b>Address</b>	[4356]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Real time displayed status of Relay Output 1

<b>Variable</b>	Relay 2 (Customisable)
<b>Address</b>	[4357]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Real time displayed status of Relay Output 2

## I/O CAN BUS EXPANSION

<b>Variable</b>	CANopen DI 1 (Customisable)
<b>Address</b>	[800]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 1

## MODBUS TABLE

<b>Variable</b>	CANopen DI 2 (Customisable)
<b>Address</b>	[801]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 2

<b>Variable</b>	CANopen DI 3 (Customisable)
<b>Address</b>	[802]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 3

<b>Variable</b>	CANopen DI 4 (Customisable)
<b>Address</b>	[803]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 4

<b>Variable</b>	CANopen DI 5 (Customisable)
<b>Address</b>	[804]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 5

## MODBUS TABLE

<b>Variable</b>	CANopen DI 6 (Customisable)
<b>Address</b>	[805]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 6

<b>Variable</b>	CANopen DI 7 (Customisable)
<b>Address</b>	[806]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 7

<b>Variable</b>	CANopen DI 8 (Customisable)
<b>Address</b>	[807]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 8

<b>Variable</b>	CANopen DI 9 (Customisable)
<b>Address</b>	[808]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 9

## MODBUS TABLE

<b>Variable</b>	CANopen DI 10 (Customisable)
<b>Address</b>	[809]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 10

<b>Variable</b>	CANopen DI 11 (Customisable)
<b>Address</b>	[810]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 11

<b>Variable</b>	CANopen DI 12 (Customisable)
<b>Address</b>	[811]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 12

<b>Variable</b>	CANopen DI 13 (Customisable)
<b>Address</b>	[812]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 13

## MODBUS TABLE

<b>Variable</b>	CANopen DI 14 (Customisable)
<b>Address</b>	[813]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 14

<b>Variable</b>	CANopen DI 15 (Customisable)
<b>Address</b>	[814]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 15

<b>Variable</b>	CANopen DI 16 (Customisable)
<b>Address</b>	[815]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 16

<b>Variable</b>	CANopen DI 17 (Customisable)
<b>Address</b>	[816]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 17

## MODBUS TABLE

<b>Variable</b>	CANopen DI 18 (Customisable)
<b>Address</b>	[817]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 18

<b>Variable</b>	CANopen DI 19 (Customisable)
<b>Address</b>	[818]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 19

<b>Variable</b>	CANopen DI 20 (Customisable)
<b>Address</b>	[819]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 20

<b>Variable</b>	CANopen DI 21 (Customisable)
<b>Address</b>	[820]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 21

## MODBUS TABLE

<b>Variable</b>	CANopen DI 22 (Customisable)
<b>Address</b>	[821]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 22

<b>Variable</b>	CANopen DI 23 (Customisable)
<b>Address</b>	[822]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 23

<b>Variable</b>	CANopen DI 24 (Customisable)
<b>Address</b>	[823]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 24

<b>Variable</b>	CANopen DI 25 (Customisable)
<b>Address</b>	[824]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 25

## MODBUS TABLE

<b>Variable</b>	CANopen DI 26 (Customisable)
<b>Address</b>	[825]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 26

<b>Variable</b>	CANopen DI 27 (Customisable)
<b>Address</b>	[826]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 27

<b>Variable</b>	CANopen DI 28 (Customisable)
<b>Address</b>	[827]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 28

<b>Variable</b>	CANopen DI 29 (Customisable)
<b>Address</b>	[828]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 29



## MODBUS TABLE

<b>Variable</b>	CANopen DI 30 (Customisable)
<b>Address</b>	[829]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 30

<b>Variable</b>	CANopen DI 31 (Customisable)
<b>Address</b>	[830]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 31

<b>Variable</b>	CANopen DI 32 (Customisable)
<b>Address</b>	[831]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 32

<b>Variable</b>	CANopen AI 1 (Customisable)
<b>Address</b>	[1050]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	CANopen analog input 1

## MODBUS TABLE

<b>Variable</b>	CANopen AI 2 (Customisable)
<b>Address</b>	[1051]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	CANopen analog input 2

<b>Variable</b>	CANopen AI 3 (Customisable)
<b>Address</b>	[1052]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	CANopen analog input 3

<b>Variable</b>	CANopen AI 4 (Customisable)
<b>Address</b>	[1053]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	CANopen analog input 4

<b>Variable</b>	CANopen AI 5 (Customisable)
<b>Address</b>	[1054]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	CANopen analog input 5

## MODBUS TABLE

<b>Variable</b>	CANopen AI 6 (Customisable)
<b>Address</b>	[1055]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	CANopen analog input 6

<b>Variable</b>	CANopen AI 7 (Customisable)
<b>Address</b>	[1056]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	CANopen analog input 7

<b>Variable</b>	CANopen AI 8 (Customisable)
<b>Address</b>	[1057]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	CANopen analog input 8

<b>Variable</b>	CANopen AI 9 (Customisable)
<b>Address</b>	[1058]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	CANopen analog input 9

## MODBUS TABLE

<b>Variable</b>	CANopen AI 10 (Customisable)
<b>Address</b>	[1059]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	CANopen analog input 10

<b>Variable</b>	CANopen AI 11 (Customisable)
<b>Address</b>	[1060]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	CANopen analog input 11

<b>Variable</b>	CANopen AI 12 (Customisable)
<b>Address</b>	[1061]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	CANopen analog input 12

<b>Variable</b>	CANopen AI 13 (Customisable)
<b>Address</b>	[1062]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	CANopen analog input 13

## MODBUS TABLE

<b>Variable</b>	CANopen AI 14 (Customisable)
<b>Address</b>	[1063]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	CANopen analog input 14

<b>Variable</b>	CANopen AI 15 (Customisable)
<b>Address</b>	[1064]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	CANopen analog input 15

<b>Variable</b>	CANopen AI 16 (Customisable)
<b>Address</b>	[1065]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	CANopen analog input 16

<b>Variable</b>	CANopen DI 33 (Customisable)
<b>Address</b>	[1250]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 33

## MODBUS TABLE

<b>Variable</b>	CANopen DI 34 (Customisable)
<b>Address</b>	[1251]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 34

<b>Variable</b>	CANopen DI 35 (Customisable)
<b>Address</b>	[1252]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 35

<b>Variable</b>	CANopen DI 36 (Customisable)
<b>Address</b>	[1253]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 36

<b>Variable</b>	CANopen DI 37 (Customisable)
<b>Address</b>	[1254]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 37

## MODBUS TABLE

<b>Variable</b>	CANopen DI 38 (Customisable)
<b>Address</b>	[1255]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 38

<b>Variable</b>	CANopen DI 39 (Customisable)
<b>Address</b>	[1256]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 39

<b>Variable</b>	CANopen DI 40 (Customisable)
<b>Address</b>	[1257]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 40

<b>Variable</b>	CANopen DI 41 (Customisable)
<b>Address</b>	[1258]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 41

## MODBUS TABLE

<b>Variable</b>	CANopen DI 42 (Customisable)
<b>Address</b>	[1259]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 42

<b>Variable</b>	CANopen DI 43 (Customisable)
<b>Address</b>	[1260]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 43

<b>Variable</b>	CANopen DI 44 (Customisable)
<b>Address</b>	[1261]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 44

<b>Variable</b>	CANopen DI 45 (Customisable)
<b>Address</b>	[1262]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 45



## MODBUS TABLE

<b>Variable</b>	CANopen DI 46 (Customisable)
<b>Address</b>	[1263]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 46

<b>Variable</b>	CANopen DI 47 (Customisable)
<b>Address</b>	[1264]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 47

<b>Variable</b>	CANopen DI 48 (Customisable)
<b>Address</b>	[1265]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 48

<b>Variable</b>	CANopen DI 49 (Customisable)
<b>Address</b>	[1266]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 49

## MODBUS TABLE

<b>Variable</b>	CANopen DI 50 (Customisable)
<b>Address</b>	[1267]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 50

<b>Variable</b>	CANopen DI 51 (Customisable)
<b>Address</b>	[1268]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 51

<b>Variable</b>	CANopen DI 52 (Customisable)
<b>Address</b>	[1269]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 52

<b>Variable</b>	CANopen DI 53 (Customisable)
<b>Address</b>	[1270]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 53

## MODBUS TABLE

<b>Variable</b>	CANopen DI 54 (Customisable)
<b>Address</b>	[1271]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 54

<b>Variable</b>	CANopen DI 55 (Customisable)
<b>Address</b>	[1272]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 55

<b>Variable</b>	CANopen DI 56 (Customisable)
<b>Address</b>	[1273]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 56

<b>Variable</b>	CANopen DI 57 (Customisable)
<b>Address</b>	[1274]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 57

## MODBUS TABLE

<b>Variable</b>	CANopen DI 58 (Customisable)
<b>Address</b>	[1275]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 58

<b>Variable</b>	CANopen DI 59 (Customisable)
<b>Address</b>	[1276]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 59

<b>Variable</b>	CANopen DI 60 (Customisable)
<b>Address</b>	[1277]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 60

<b>Variable</b>	CANopen DI 61 (Customisable)
<b>Address</b>	[1278]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 61

## MODBUS TABLE

<b>Variable</b>	CANopen DI 62 (Customisable)
<b>Address</b>	[1279]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 62

<b>Variable</b>	CANopen DI 63 (Customisable)
<b>Address</b>	[1280]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 63

<b>Variable</b>	CANopen DI 64 (Customisable)
<b>Address</b>	[1281]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital Input 64

<b>Variable</b>	CANopen DO 1 (Customisable)
<b>Address</b>	[4751]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 1

## MODBUS TABLE

<b>Variable</b>	CANopen DO 2 (Customisable)
<b>Address</b>	[4752]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 2

<b>Variable</b>	CANopen DO 3 (Customisable)
<b>Address</b>	[4753]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 3

<b>Variable</b>	CANopen DO 4 (Customisable)
<b>Address</b>	[4754]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 4

<b>Variable</b>	CANopen DO 5 (Customisable)
<b>Address</b>	[4755]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 5

## MODBUS TABLE

<b>Variable</b>	CANopen DO 6 (Customisable)
<b>Address</b>	[4756]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 6

<b>Variable</b>	CANopen DO 7 (Customisable)
<b>Address</b>	[4757]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 7

<b>Variable</b>	CANopen DO 8 (Customisable)
<b>Address</b>	[4758]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 8

<b>Variable</b>	CANopen DO 9 (Customisable)
<b>Address</b>	[4759]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 9

## MODBUS TABLE

<b>Variable</b>	CANopen DO 10 (Customisable)
<b>Address</b>	[4760]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 10

<b>Variable</b>	CANopen DO 11 (Customisable)
<b>Address</b>	[4761]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 11

<b>Variable</b>	CANopen DO 12 (Customisable)
<b>Address</b>	[4762]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 12

<b>Variable</b>	CANopen DO 13 (Customisable)
<b>Address</b>	[4763]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 13



## MODBUS TABLE

<b>Variable</b>	CANopen DO 14 (Customisable)
<b>Address</b>	[4764]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 14

<b>Variable</b>	CANopen DO 15 (Customisable)
<b>Address</b>	[4765]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 15

<b>Variable</b>	CANopen DO 16 (Customisable)
<b>Address</b>	[4766]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 16

<b>Variable</b>	CANopen DO 17 (Customisable)
<b>Address</b>	[4767]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 17

## MODBUS TABLE

<b>Variable</b>	CANopen DO 18 (Customisable)
<b>Address</b>	[4768]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 18

<b>Variable</b>	CANopen DO 19 (Customisable)
<b>Address</b>	[4769]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 19

<b>Variable</b>	CANopen DO 20 (Customisable)
<b>Address</b>	[4770]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 20

<b>Variable</b>	CANopen DO 21 (Customisable)
<b>Address</b>	[4771]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 21

## MODBUS TABLE

<b>Variable</b>	CANopen DO 22 (Customisable)
<b>Address</b>	[4772]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 22

<b>Variable</b>	CANopen DO 23 (Customisable)
<b>Address</b>	[4773]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 23

<b>Variable</b>	CANopen DO 24 (Customisable)
<b>Address</b>	[4774]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 24

<b>Variable</b>	CANopen DO 25 (Customisable)
<b>Address</b>	[4775]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 25

## MODBUS TABLE

<b>Variable</b>	CANopen DO 26 (Customisable)
<b>Address</b>	[4776]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 26

<b>Variable</b>	CANopen DO 27 (Customisable)
<b>Address</b>	[4777]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 27

<b>Variable</b>	CANopen DO 28 (Customisable)
<b>Address</b>	[4778]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 28

<b>Variable</b>	CANopen DO 29 (Customisable)
<b>Address</b>	[4779]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 29

## MODBUS TABLE

<b>Variable</b>	CANopen DO 30 (Customisable)
<b>Address</b>	[4780]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 30

<b>Variable</b>	CANopen DO 31 (Customisable)
<b>Address</b>	[4781]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 31

<b>Variable</b>	CANopen DO 32 (Customisable)
<b>Address</b>	[4782]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 32

<b>Variable</b>	CANopen DO 33 (Customisable)
<b>Address</b>	[5100]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 33

## MODBUS TABLE

<b>Variable</b>	CANopen DO 34 (Customisable)
<b>Address</b>	[5101]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 34

<b>Variable</b>	CANopen DO 35 (Customisable)
<b>Address</b>	[5102]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 35

<b>Variable</b>	CANopen DO 36 (Customisable)
<b>Address</b>	[5103]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 36

<b>Variable</b>	CANopen DO 37 (Customisable)
<b>Address</b>	[5104]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 37

## MODBUS TABLE

<b>Variable</b>	CANopen DO 38 (Customisable)
<b>Address</b>	[5105]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 38

<b>Variable</b>	CANopen DO 39 (Customisable)
<b>Address</b>	[5106]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 39

<b>Variable</b>	CANopen DO 40 (Customisable)
<b>Address</b>	[5107]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 40

<b>Variable</b>	CANopen DO 41 (Customisable)
<b>Address</b>	[5108]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 41

## MODBUS TABLE

<b>Variable</b>	CANopen DO 42 (Customisable)
<b>Address</b>	[5109]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 42

<b>Variable</b>	CANopen DO 43 (Customisable)
<b>Address</b>	[5110]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 43

<b>Variable</b>	CANopen DO 44 (Customisable)
<b>Address</b>	[5111]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 44

<b>Variable</b>	CANopen DO 45 (Customisable)
<b>Address</b>	[5112]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 45



## MODBUS TABLE

<b>Variable</b>	CANopen DO 46 (Customisable)
<b>Address</b>	[5113]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 46

<b>Variable</b>	CANopen DO 47 (Customisable)
<b>Address</b>	[5114]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 47

<b>Variable</b>	CANopen DO 48 (Customisable)
<b>Address</b>	[5115]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 48

<b>Variable</b>	CANopen DO 49 (Customisable)
<b>Address</b>	[5116]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 49

## MODBUS TABLE

<b>Variable</b>	CANopen DO 50 (Customisable)
<b>Address</b>	[5117]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 50

<b>Variable</b>	CANopen DO 51 (Customisable)
<b>Address</b>	[5118]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 51

<b>Variable</b>	CANopen DO 52 (Customisable)
<b>Address</b>	[5119]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 52

<b>Variable</b>	CANopen DO 53 (Customisable)
<b>Address</b>	[5120]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 53

## MODBUS TABLE

<b>Variable</b>	CANopen DO 54 (Customisable)
<b>Address</b>	[5121]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 54

<b>Variable</b>	CANopen DO 55 (Customisable)
<b>Address</b>	[5122]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 55

<b>Variable</b>	CANopen DO 56 (Customisable)
<b>Address</b>	[5123]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 56

<b>Variable</b>	CANopen DO 57 (Customisable)
<b>Address</b>	[5124]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 57

## MODBUS TABLE

<b>Variable</b>	CANopen DO 58 (Customisable)
<b>Address</b>	[5125]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 58

<b>Variable</b>	CANopen DO 59 (Customisable)
<b>Address</b>	[5126]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 59

<b>Variable</b>	CANopen DO 60 (Customisable)
<b>Address</b>	[5127]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 60

<b>Variable</b>	CANopen DO 61 (Customisable)
<b>Address</b>	[5128]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 61

## MODBUS TABLE

<b>Variable</b>	CANopen DO 62 (Customisable)
<b>Address</b>	[5129]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 62

<b>Variable</b>	CANopen DO 63 (Customisable)
<b>Address</b>	[5130]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 63

<b>Variable</b>	CANopen DO 64 (Customisable)
<b>Address</b>	[5131]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	CANopen digital output 64

## TIMERS/METERS

<b>Variable</b>	Change over timer
<b>Address</b>	[4013]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Change over timer

## MODBUS TABLE

<b>Variable</b>	Mains back timer
<b>Address</b>	[4313]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Mains back timer

## POWER PLANT

<b>Variable</b>	Total generator kW on my segment
<b>Address</b>	[25]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32500
<b>Max value</b>	32500
<b>Description</b>	Power produced by all generators on the current busbar segment

<b>Variable</b>	Total generator kVAR on my segment
<b>Address</b>	[26]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32500
<b>Max value</b>	32500
<b>Description</b>	Reactive power produced by all generators on the current busbar segment

<b>Variable</b>	Global generators $\cos(\varphi)$ on my segment
<b>Address</b>	[27]
<b>Scale Factor</b>	2
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32500
<b>Max value</b>	32500
<b>Description</b>	Generators power factor on the current busbar segment

## MODBUS TABLE

<b>Variable</b>	Total mains kW on my segment
<b>Address</b>	[28]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32500
<b>Max value</b>	32500
<b>Description</b>	Power produced by all mains on the current busbar segment

<b>Variable</b>	Total mains kVAR on my segment
<b>Address</b>	[29]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32500
<b>Max value</b>	32500
<b>Description</b>	Reactive power produced by all mains on the current busbar segment

<b>Variable</b>	Global mains $\cos(\varphi)$ on my segment
<b>Address</b>	[30]
<b>Scale Factor</b>	2
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32500
<b>Max value</b>	32500
<b>Description</b>	Mains power factor on the current busbar segment

<b>Variable</b>	Total renewable energies kW on my segment
<b>Address</b>	[31]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32500
<b>Max value</b>	32500
<b>Description</b>	Power produced by all renewable energies on the current busbar segment

## MODBUS TABLE

<b>Variable</b>	Total renewable energies kVAR on my segment
<b>Address</b>	[32]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32500
<b>Max value</b>	32500
<b>Description</b>	Reactive power produced by all renewable energies on the current busbar segment

<b>Variable</b>	Global renewable energies $\cos(\varphi)$ on my segment
<b>Address</b>	[33]
<b>Scale Factor</b>	2
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32500
<b>Max value</b>	32500
<b>Description</b>	Renewable energies power factor on the current busbar segment

<b>Variable</b>	Total battery inverters kW on my segment
<b>Address</b>	[34]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32500
<b>Max value</b>	32500
<b>Description</b>	Power produced by all battery inverters on the current busbar segment

<b>Variable</b>	Total battery inverters kVAR on my segment
<b>Address</b>	[35]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32500
<b>Max value</b>	32500
<b>Description</b>	Reactive power produced by all battery inverters on the current busbar segment



## MODBUS TABLE

<b>Variable</b>	Global battery inverters $\cos(\varphi)$ on my segment
<b>Address</b>	[36]
<b>Scale Factor</b>	2
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32500
<b>Max value</b>	32500
<b>Description</b>	Battery inverters power factor on the current busbar segment

<b>Variable</b>	Load kW on my segment
<b>Address</b>	[37]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32500
<b>Max value</b>	32500
<b>Description</b>	Power consumed on the current busbar segment

<b>Variable</b>	Load kVAR on my segment
<b>Address</b>	[38]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32500
<b>Max value</b>	32500
<b>Description</b>	Reactive power consumed on the current busbar segment

<b>Variable</b>	Load power factor on my segment
<b>Address</b>	[39]
<b>Scale Factor</b>	2
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	-32500
<b>Max value</b>	32500
<b>Description</b>	Load power factor on the current busbar segment

## MODBUS TABLE

<b>Variable</b>	Number of generator on bus
<b>Address</b>	[568]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	32
<b>Description</b>	Count of GE with breaker closed

<b>Variable</b>	Number of generator available
<b>Address</b>	[570]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	32
<b>Description</b>	Number of generator available

<b>Variable</b>	Actual segment
<b>Address</b>	[4030]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	1
<b>Max value</b>	33
<b>Description</b>	Actual segment

<b>Variable</b>	Mains presence on the common bus bar
<b>Address</b>	[4032]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Status report: There is currently a mains closed on the bus bar

## BUS PROTECTIONS

<b>Variable</b>	Fail to synchronize
<b>Address</b>	[4051]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	The automated system does not manage to synchronize the voltages on both sides of the circuit breaker (Check that the speed regulation and the AVR are controlled in the right range and adjust the PID settings)

<b>Variable</b>	No genset available
<b>Address</b>	[4271]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	No genset available

## COMMUNICATION

<b>Variable</b>	Controller communication fault
<b>Address</b>	[600]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Communication cannot be established. Check the wiring between the controllers, the product number and the number of controllers declared for each part number.

## MODBUS TABLE

<b>Variable</b>	Missing GENSYS COMPACT PRIME
<b>Address</b>	[605]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Missing at least one GENSYS COMPACT PRIME module on the CAN bus

<b>Variable</b>	Missing MASTER COMPACT or BTB COMPACT
<b>Address</b>	[608]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Absence of at least one MASTER COMPACT or BTB COMPACT module on the CAN bus

<b>Variable</b>	Missing HYBRID COMPACT
<b>Address</b>	[612]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Missing at least one HYBRID module on the CAN bus

<b>Variable</b>	Missing BAT COMPACT
<b>Address</b>	[613]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Missing at least one BAT COMPACT module on the CAN Bus

## MODBUS TABLE

<b>Variable</b>	CANopen fault
<b>Address</b>	[4750]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Communication with I/O extension cannot be established. Check the wiring and power supply of the CANopen extension module

## SYSTEM

<b>Variable</b>	Day of the week
<b>Address</b>	[10]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	6
<b>Description</b>	Day of the week (RTC)

<b>Variable</b>	Day
<b>Address</b>	[11]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	1
<b>Max value</b>	31
<b>Description</b>	Day (RTC)

## MODBUS TABLE

<b>Variable</b>	Month
<b>Address</b>	[12]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	1
<b>Max value</b>	12
<b>Description</b>	Month (RTC)

<b>Variable</b>	Year
<b>Address</b>	[13]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	99
<b>Description</b>	Year (RTC)

<b>Variable</b>	Hours
<b>Address</b>	[14]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	23
<b>Description</b>	Hours (RTC)

<b>Variable</b>	Minutes
<b>Address</b>	[15]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	59
<b>Description</b>	Minutes (RTC)

## MODBUS TABLE

<b>Variable</b>	Seconds
<b>Address</b>	[16]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	59
<b>Description</b>	Seconds (RTC)

<b>Variable</b>	100ms
<b>Address</b>	[17]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	9
<b>Description</b>	100ms timer (Internal)

<b>Variable</b>	Load uC
<b>Address</b>	[18]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Microcontroller load (i.e nb run in main loop during 1s )

<b>Variable</b>	Overload uC
<b>Address</b>	[19]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Alarm activated when a microcontroller overload occurs

## MODBUS TABLE

<b>Variable</b>	State
<b>Address</b>	[4000]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	255
<b>Description</b>	Active power regulation mode (Power state machine)

<b>Variable</b>	Internal timer test
<b>Address</b>	[4025]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Timer test variable

<b>Variable</b>	Easyflex warning
<b>Address</b>	[4213]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Overflow in equation

<b>Variable</b>	Easyflex error code
<b>Address</b>	[4214]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Easyflex equation error (100*Line number + error code)



## STATUSES

<b>Variable</b>	Phase sequence match
<b>Address</b>	[306]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Identical phase order on both sides of the circuit breaker (OK = 1 or NOK = 0)

<b>Variable</b>	Voltage match
<b>Address</b>	[307]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Identical voltage amplitudes on both sides of the circuit breaker (OK = 1 or NOK = 0)

<b>Variable</b>	Frequency match
<b>Address</b>	[308]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Identical frequencies on both sides of the circuit breaker (OK = 1 or NOK = 0)

## MODBUS TABLE

<b>Variable</b>	Phase match
<b>Address</b>	[309]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	The phase difference between the voltages on either side of the circuit breaker is zero (OK = 1 or NOK = 0)

<b>Variable</b>	Synch check relay OK
<b>Address</b>	[310]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Active if the sources are synchronized on both sides of circuit breaker (OK = 1 or Not OK = 0). Do not confuse with the closing order.

<b>Variable</b>	Production request
<b>Address</b>	[4007]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Active if the automated system wants to produce power with the generator(s). Inactive if the automated system does not want to produce power with the generator(s).

## MODBUS TABLE

<b>Variable</b>	Mode : 0=Manu / 1=Test / 2=Auto
<b>Address</b>	[4008]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	2
<b>Description</b>	Mode auto/manu/test (0=MANU/1=TEST/2=AUTO)

<b>Variable</b>	Bus electrical fault summary
<b>Address</b>	[4656]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Fault report: Active if at least one protection configured as a bus electrical fault is active.

<b>Variable</b>	Mains electrical fault summary
<b>Address</b>	[4657]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Fault report: Active if at least one protection configured as a mains electrical fault is active.

<b>Variable</b>	Alarms summary
<b>Address</b>	[4658]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Fault report: Active if at least one protection configured as an alarm is active.

## MODBUS TABLE

<b>Variable</b>	Soft shut down summary
<b>Address</b>	[4659]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Fault report:Active if at least one protection configured as Soft shut down is active.

<b>Variable</b>	Default LED
<b>Address</b>	[4664]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Status report: Active if the fault LED on the front of the product is lit (active on fault, reset on acknowledge and reset command).

<b>Variable</b>	Alarm LED
<b>Address</b>	[4665]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Status report: Active if the alarm LED on the front of the product is lit (active on alarm, reset on acknowledge and reset command).

<b>Variable</b>	Auto mode LED
<b>Address</b>	[4666]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Status report: Active if the Auto mode LED on the front of the product is lit

## MODBUS TABLE

<b>Variable</b>	Test mode LED
<b>Address</b>	[4667]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Status report: Active if the Test mode LED on the front of the product is lit

<b>Variable</b>	Manu mode LED
<b>Address</b>	[4668]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Status report: Active if the Manu mode LED on the front of the product is lit

<b>Variable</b>	Bus LED
<b>Address</b>	[4669]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Status report: Active if the Bus LED on the front of the product is lit

<b>Variable</b>	Protection validation
<b>Address</b>	[4681]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Status report: Active when all protections are activated after starting sequence (Under frequency, under voltage, oil pressure, temperature, etc...)

## MODBUS TABLE

<b>Variable</b>	Mains failure summary
<b>Address</b>	[4731]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Active if at least one protection configured as Mains failure is activate.

<b>Variable</b>	Bus breaker LED
<b>Address</b>	[4734]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Status report: Active if the Bus breaker LED on the front of the product is lit

<b>Variable</b>	Mains breaker LED
<b>Address</b>	[4735]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Status report: Active if the Mains breaker LED on the front of the product is lit

<b>Variable</b>	Mains LED
<b>Address</b>	[4736]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Status report: Active if the Mains LED on the front of the product is lit (voltage presence on Mains)

## HYSTERESIS

<b>Variable</b>	Hysteresis 1 output
<b>Address</b>	[4710]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Activation of analog Hysteresis function n°1, configuration of funtion is in Configuration/programming/Hysteresis

<b>Variable</b>	Hysteresis 2 output
<b>Address</b>	[4711]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Activation of analog Hysteresis function n°2, configuration of funtion is in Configuration/programming/Hysteresis

<b>Variable</b>	Hysteresis 3 output
<b>Address</b>	[4712]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Activation of analog Hysteresis function n°3, configuration of funtion is in Configuration/programming/Hysteresis

## MODBUS TABLE

<b>Variable</b>	Hysteresis output activation on DI1
<b>Address</b>	[4713]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Output activation for 'Hysteresis on digital input' n°1. Function is managed by configurable low/high digital inputs in Digital Input menu.

<b>Variable</b>	Hysteresis output activation on DI2
<b>Address</b>	[4714]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Output activation for 'Hysteresis on digital input' n°2. Function is managed by configurable low/high digital inputs in Digital Input menu.

<b>Variable</b>	Hysteresis output activation on DI3
<b>Address</b>	[4715]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Output activation for 'Hysteresis on digital input' n°3. Function is managed by configurable low/high digital inputs in Digital Input menu.



## MODBUS TABLE

<b>Variable</b>	Hysteresis output activation on DI4
<b>Address</b>	[4716]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Output activation for 'Hysteresis on digital input' n°4. Function is managed by configurable low/high digital inputs in Digital Input menu.

<b>Variable</b>	Hysteresis output activation on DI5
<b>Address</b>	[4717]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Output activation for 'Hysteresis on digital input' n°5. Function is managed by configurable low/high digital inputs in Digital Input menu.

<b>Variable</b>	Hysteresis output activation on DI6
<b>Address</b>	[4718]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Output activation for 'Hysteresis on digital input' n°6. Function is managed by configurable low/high digital inputs in Digital Input menu.

## MODBUS TABLE

<b>Variable</b>	Hysteresis output activation on DI7
<b>Address</b>	[4719]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Output activation for 'Hysteresis on digital input' n°7. Function is managed by configurable low/high digital inputs in Digital Input menu.

<b>Variable</b>	Hysteresis output activation on DI8
<b>Address</b>	[4720]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Output activation for 'Hysteresis on digital input' n°8. Function is managed by configurable low/high digital inputs in Digital Input menu.

## PARAMETERS

### BUS

<b>Variable</b>	Type of application
<b>Address</b>	[2005]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Change over 1: No break change over 2: Permanent
<b>Description</b>	This parameter is used to select the mode of operation between the generator(s) and the mains. 3 values can be selected: - Change over : Load transfer between the generator(s) and the mains without synchronization/paralleling. - No break change over : Load transfer between the generator(s) and the mains with synchronization/paralleling/progressive power transfer. - Permanent: Synchronization/paralleling to the mains permanently. This mode has to be selected to set a fixed power to the mains (Peak shaving) or to set a fixed power to the generator (Base load). Caution: In this mode of operation, the activation of the df/dt protection is strongly recommended to detect the loss of the mains during permanent paralleling.

<b>Variable</b>	Type of regulation
<b>Address</b>	[2006]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Peak shaving 1: Base load GE
<b>Description</b>	This parameter is used to select the type of consignment when the generator(s) is(are) permanently paralleled to the mains. 2 values can be selected: - Peak shaving : Fixed active power on the mains, the active power of the generator(s) changes with the load. If the generator(s) reach(s) the high limit, the mains consignment will no longer be respected. - Base load : Fixed active power on the generator(s), the active power of the mains changes with the load.

## MODBUS TABLE

<b>Variable</b>	PT ratio
<b>Address</b>	[2100]
<b>Scale Factor</b>	2
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	<p>This parameter allows you to set the ratio between the voltage present on the busbar and the voltage connected to the module.</p> <p>Example: Busbar voltage 20.000Vac / Voltage connected to the module 100 Vac: PT ratio value = <math>20.000/100 = 200</math>.</p> <p>This PT ratio can be calculated or is indicated on the measuring transformers.</p>

<b>Variable</b>	CT ratio
<b>Address</b>	[2101]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	<p>This parameter is used to set the ratio between the current on the busbar and the current connected to the module.</p> <p>Example: Busbar current 1000A / Current connected to the module 5A: CT ratio value = <math>1000/5 = 200</math>.</p> <p>This CT ratio can be calculated or is indicated on the measuring current transformers.</p>

<b>Variable</b>	Nominal voltage
<b>Address</b>	[2102]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	<p>This parameter is used to set the nominal voltage:</p> <ul style="list-style-type: none"> <li>- Three-phase and two-phase: Enter a phase-to-phase voltage.</li> <li>- Single-phase: Enter a phase-to-neutral voltage.</li> </ul> <p>All the protections based on the voltage as well as the control loops are calculated as a percentage of this value.</p> <p>For low voltage (400VAC, 440VAC, 480VAC, etc...) or high voltage (20.000VAC, 33.000VAC, etc...) applications, this variable must be adjusted.</p>

## MODBUS TABLE

<b>Variable</b>	Base load Generator(s) kW setpoint
<b>Address</b>	[2107]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	This parameter is used to set the active power setpoint of the generator/power plant when the product is configured in base load mode.

<b>Variable</b>	Power plant measure
<b>Address</b>	[2110]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: CAN bus 1: CT
<b>Description</b>	0 : The bus power is calculated by summing the generator powers (CAN bus) / 1 : The bus power is calculated using the current inputs (CT)

<b>Variable</b>	Nominal active power
<b>Address</b>	[2111]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	32500
<b>Description</b>	This setpoint adjusts the kW nominal power of the power plant

<b>Variable</b>	Nominal reactive power
<b>Address</b>	[2112]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	32500
<b>Description</b>	This setpoint adjusts the kVAR nominal power of the power plant

## MODBUS TABLE

<b>Variable</b>	Nominal frequency
<b>Address</b>	[2153]
<b>Scale Factor</b>	2
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10000
<b>Description</b>	This parameter is used to set the nominal frequency. All the protections based on the frequency as well as the control loops are calculated as a percentage of this value. For 50 or 60 Hz applications, this variable must be adjusted.

<b>Variable</b>	Power factor setpoint (inductive)
<b>Address</b>	[2253]
<b>Scale Factor</b>	2
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	100
<b>Description</b>	This parameter is used to set the generator/power plant $\cos(\varphi)$ set point that will be applied when paralleling to the mains. The imposed $\cos(\varphi)$ is an inductive $\cos(\varphi)$ .

<b>Variable</b>	Bus circuit breaker control type
<b>Address</b>	[2300]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Open Contact - Close Pulse 1: Open Contact - Close Contact 2: Open MNcoil - Close Pulse 3: Open MNcoil - Close Contact 4: Open Pulse - Close Pulse 5: Open Pulse - Close Contact
<b>Description</b>	Control type of the relay for the genset circuit breaker of the genset (pulse, hold, coil...)

## MODBUS TABLE

<b>Variable</b>	Bus breaker control pulse length
<b>Address</b>	[2301]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	100
<b>Description</b>	Bus circuit breaker pulse length

<b>Variable</b>	Undervoltage coil deenergized time
<b>Address</b>	[2302]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	100
<b>Description</b>	Time during which the coil is no longer energized after a request to open the circuit breaker.

<b>Variable</b>	Undervoltage coil security timer
<b>Address</b>	[2303]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	100
<b>Description</b>	Minimum safety time between the moment the coil has been reenergized and the next request to close the circuit breaker.

## MODBUS TABLE

<b>Variable</b>	Voltage acceptance
<b>Address</b>	[2800]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	120
<b>Description</b>	Maximum voltage difference (in % of the nominal value) between the voltages on either side of the circuit breaker to allow closing.

<b>Variable</b>	Frequency acceptance
<b>Address</b>	[2801]
<b>Scale Factor</b>	2
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	20
<b>Description</b>	Maximum frequency difference between the voltages on either side of the circuit breaker to allow closing.

<b>Variable</b>	Phase Angle acceptance
<b>Address</b>	[2802]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	30
<b>Description</b>	Maximum phase difference between the voltages on either side of the circuit breaker to allow closing.



## MODBUS TABLE

<b>Variable</b>	Fail to synchronize timer
<b>Address</b>	[2803]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Time after which the product will activate an alarm if it remains in synchronization without ever being able to give the closing command. Activation of this alarm means that the synchronization control loops are incorrectly set.

<b>Variable</b>	Action on fail to synchronize
<b>Address</b>	[2804]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Synchronization back timer
<b>Address</b>	[2806]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	This setpoint adjusts the synchronization back timer. It sets the time to wait to start again a synchronization sequence after a 'bus electrical fault' protection.

## MODBUS TABLE

<b>Variable</b>	Synchronization Back attempts number
<b>Address</b>	[2807]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	This setpoint adjusts the synchronization back attempts number. It sets the attempts number to start again a synchronization of the bus after a 'bus electrical fault' protection.

<b>Variable</b>	C2S dwell time
<b>Address</b>	[2809]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	100
<b>Description</b>	Synchronization dwell time before closing breaker

<b>Variable</b>	Phase offset
<b>Address</b>	[2812]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-180
<b>Max value</b>	180
<b>Description</b>	Phase offset for synch. check relay (Ex: Dyn11)

## MODBUS TABLE

<b>Variable</b>	Synchronization Back attempts number
<b>Address</b>	[2814]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	This setpoint adjusts the synchronization back attempts number. It sets the attempts number to start again a synchronization of the bus after a "mains electrical fault" protection.

<b>Variable</b>	Low kW active power threshold
<b>Address</b>	[2866]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1000
<b>Description</b>	<p>This parameter allows you to define the minimum active power that the automatic system will impose on the generator.</p> <p>For example, this is the power that will be taken just after the circuit breaker is closed, before the load ramp.</p> <p>It is also the value at which the automatic system will open the circuit breaker during an unload ramp.</p> <p>This low limit protects against the risk of reverse power.</p> <p>It is recommended to set a low limit between 5 and 10% of the nominal active power.</p>

<b>Variable</b>	High kW active power threshold
<b>Address</b>	[2867]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1000
<b>Description</b>	<p>This parameter allows you to define the maximum active power that the automatic system will impose on the generator when paralleled to the mains.</p> <p>In the case of a permanent mode with peak shaving, if the generator/power plant reaches the high limit, the mains will take the excess load and the peak shaving setpoint will not be respected.</p> <p>It is recommended to set a high limit between 90 and 100% of the nominal active power.</p>

## MODBUS TABLE

<b>Variable</b>	Gain Synch
<b>Address</b>	[2904]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	100
<b>Description</b>	This variable sets the global Gain of phase synchronization PID. The global Gain is the multiplier of the proportional, integral and derivative values. A too high value will cause a pumping, a too low value will cause a low reaction, We can compare it to a nervousness Gain.

<b>Variable</b>	Proport. Synch
<b>Address</b>	[2905]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	100
<b>Description</b>	<p>This parameter should only be changed if the system has not been correctly regulated by changing the Gain alone. In this case, refer to the chapter "Control Loop PID" in the technical documentation of your product for a step-by-step method of adjustment.</p> <p>As a general rule :</p> <ul style="list-style-type: none"> <li>- G must remain fixed, neither too low nor too high, it multiplies the 3 other components</li> <li>- Set P, I and D to 0</li> <li>- Increase P until you have a system that corrects quickly enough, without major instabilities. In most cases, an error persists between the measurement and the setpoint (value to be reached).</li> <li>- Increase I to correct this persistent error over time.</li> <li>- Increase D to reduce the oscillations, if they exist.</li> </ul> <p>Phase regulation is active during synchronization if the frequency of the generator(s) is close to the frequency setpoint (value to be reached for coupling). When the generator frequency is too far from the frequency setpoint, the phase regulation is not active, only the frequency regulation is.</p> <p>Therefore, to correctly adjust the phase regulation, it is necessary to have a frequency on the generator close to the frequency setpoint, by modifying the offset for example, or by having correctly adjusted the frequency regulation beforehand.</p>

## MODBUS TABLE

<b>Variable</b>	Integral Synch
<b>Address</b>	[2906]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	100
<b>Description</b>	<p>This parameter should only be changed if the system has not been correctly regulated by changing the Gain alone. In this case, refer to the chapter "Control Loop PID" in the technical documentation of your product for a step-by-step method of adjustment.</p> <p>As a general rule :</p> <ul style="list-style-type: none"> <li>- G must remain fixed, neither too low nor too high, it multiplies the 3 other components</li> <li>- Set P, I and D to 0</li> <li>- Increase P until you have a system that corrects quickly enough, without major instabilities. In most cases, an error persists between the measurement and the setpoint (value to be reached).</li> <li>- Increase I to correct this persistent error over time.</li> <li>- Increase D to reduce the oscillations, if they exist.</li> </ul> <p>Phase regulation is active during synchronization if the frequency of the generator(s) is close to the frequency setpoint (value to be reached for coupling). When the generator frequency is too far from the frequency setpoint, the phase regulation is not active, only the frequency regulation is.</p> <p>Therefore, to correctly adjust the phase regulation, it is necessary to have a frequency on the generator close to the frequency setpoint, by modifying the offset for example, or by having correctly adjusted the frequency regulation beforehand.</p>

## MODBUS TABLE

<b>Variable</b>	Derivate Synch
<b>Address</b>	[2907]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	100
<b>Description</b>	<p>This parameter should only be changed if the system has not been correctly regulated by changing the Gain alone. In this case, refer to the chapter "Control Loop PID" in the technical documentation of your product for a step-by-step method of adjustment.</p> <p>As a general rule :</p> <ul style="list-style-type: none"> <li>- G must remain fixed, neither too low nor too high, it multiplies the 3 other components</li> <li>- Set P, I and D to 0</li> <li>- Increase P until you have a system that corrects quickly enough, without major instabilities. In most cases, an error persists between the measurement and the setpoint (value to be reached).</li> <li>- Increase I to correct this persistent error over time.</li> <li>- Increase D to reduce the oscillations, if they exist.</li> </ul> <p>Phase regulation is active during synchronization if the frequency of the generator(s) is close to the frequency setpoint (value to be reached for coupling). When the generator frequency is too far from the frequency setpoint, the phase regulation is not active, only the frequency regulation is.</p> <p>Therefore, to correctly adjust the phase regulation, it is necessary to have a frequency on the generator close to the frequency setpoint, by modifying the offset for example, or by having correctly adjusted the frequency regulation beforehand.</p>

<b>Variable</b>	Off load timer (Only for start with timer)
<b>Address</b>	[3478]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	<p>This delay is used during a start on load with delay, either by activating a digital input configured as "Start on load with delay" in auto mode, or by using the test mode by having configured the product to do a "Start on load with delay" test. It corresponds to the waiting time between the end of the engine sequence and the closure of the generator breaker.</p>

MAINS

<b>Variable</b>	PT ratio
<b>Address</b>	[2150]
<b>Scale Factor</b>	2
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	<p>This parameter allows you to set the ratio between the voltage present on the busbar and the voltage connected to the module.</p> <p>Example: Busbar voltage 20.000Vac / Voltage connected to the module 100 Vac: PT ratio value = <math>20.000/100 = 200</math>.</p> <p>This PT ratio can be calculated or is indicated on the measuring transformers.</p>

<b>Variable</b>	CT ratio
<b>Address</b>	[2151]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	<p>This parameter is used to set the ratio between the current on the busbar and the current connected to the module.</p> <p>Example: Busbar current 1000A / Current connected to the module 5A: CT ratio value = <math>1000/5 = 200</math>.</p> <p>This CT ratio can be calculated or is indicated on the measuring current transformers.</p>

## MODBUS TABLE

<b>Variable</b>	Nominal voltage
<b>Address</b>	[2152]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	<p>This parameter is used to set the nominal voltage:</p> <ul style="list-style-type: none"> <li>- Three-phase and two-phase: Enter a phase-to-phase voltage.</li> <li>- Single-phase: Enter a phase-to-neutral voltage.</li> </ul> <p>All the protections based on the voltage are calculated as a percentage of this value.</p> <p>For low voltage (400VAC, 440VAC, 480VAC, etc...) or high voltage (20.000VAC, 33.000VAC, etc...) applications, this variable must be adjusted.</p>

<b>Variable</b>	Peak shaving kW setpoint
<b>Address</b>	[2154]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	<p>This parameter is used to set the active power setpoint of the mains when the product is configured in peak shaving mode.</p>



## MODBUS TABLE

<b>Variable</b>	Mains kW measure type
<b>Address</b>	[2155]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: CT 1: mA - Analog 1 2: mA - Analog 2 3: mA - Analog 3 4: Unused
<b>Description</b>	This parameter is used to determine how the mains active power will be measured. 5 values can be selected: - CT : The mains power will be measured with a current transformer. Earth fault protection not available. - mA - Analog 1 : The mains power will be measured with a 4-20mA converter signal connected to analog input 1. Earth fault protection available. - mA - Analog 2: The mains power will be measured with a 4-20mA converter signal connected to analog input 2. Earth fault protection available. - mA - Analog 3: The mains power will be measured with a 4-20mA converter signal connected to analog input 3. Earth fault protection available. - Not used: No measurement of mains active power. Earth fault protection available.

<b>Variable</b>	External MCB low kW trip
<b>Address</b>	[2156]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	This parameter is used to enable opening of the mains breaker on an external active power low threshold. When this parameter is enabled, the automated system will not open the mains breaker when the value of the mains active power reaches 0, but will wait for the digital input configured as 'External mains low threshold' to activate. This function can be used with an external device that measures the 3 mains currents and provides a digital output that is activated when the 3 currents are 0A.

<b>Variable</b>	Limit inverter power export
<b>Address</b>	[2159]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	Limit the export of the power generated by the inverter to the mains.

## MODBUS TABLE

<b>Variable</b>	Mains circuit breaker control type
<b>Address</b>	[2307]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Open Contact - Close Pulse 1: Open Contact - Close Contact 2: Open MNcoil - Close Pulse 3: Open MNcoil - Close Contact 4: Open Pulse - Close Pulse 5: Open Pulse - Close Contact
<b>Description</b>	Control type of the relay for the Mains circuit breaker of the genset (pulse, hold, coil...)

<b>Variable</b>	Mains breaker tripping mode on mains failure
<b>Address</b>	[2312]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Immediately 2: After power plant ready 3: After timer
<b>Description</b>	Mains breaker opening mode on Mains electrical fault (0: Immediately/1:After start/2:After power plant ready/3:After timer )

<b>Variable</b>	Timer to open mains breaker on mains failure
<b>Address</b>	[2313]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Delay before MCB open command on fault if E2312 = 3

## MODBUS TABLE

<b>Variable</b>	Mains breaker control pulse length
<b>Address</b>	[2314]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	100
<b>Description</b>	Mains circuit breaker pulse length

<b>Variable</b>	Undervoltage coil deenergized time
<b>Address</b>	[2315]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	100
<b>Description</b>	Time during which the coil is no longer energized after a request to open the circuit breaker.

<b>Variable</b>	Undervoltage coil security timer
<b>Address</b>	[2316]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	100
<b>Description</b>	Minimum safety time between the moment the coil has been reenergized and the next request to close the circuit breaker.

## ENGINE

<b>Variable</b>	Stabilization timer on can fault
<b>Address</b>	[3469]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	This delay corresponds to the time the MASTER waits before closing the bus breaker in case of a CAN fault and after the bus frequency and voltage have reached their nominal values

## INPUTS/OUTPUTS

<b>Variable</b>	Validity on analog input 1
<b>Address</b>	[2681]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Analog input 1 validity when set as digital input (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on analog input 2
<b>Address</b>	[2682]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Analog input 2 validity when set as digital input (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

## MODBUS TABLE

<b>Variable</b>	Validity on analog input 3
<b>Address</b>	[2683]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Analog input 3 validity when set as digital input (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Polarity NO/NC on AI 1
<b>Address</b>	[2684]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of Analog input 1 when set as digital input (0=Normaly Open/1=Normaly Close)

<b>Variable</b>	Polarity NO/NC on AI 2
<b>Address</b>	[2685]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of Analog input 2 when set as digital input (0=Normaly Open/1=Normaly Close)

## MODBUS TABLE

<b>Variable</b>	Polarity NO/NC on AI 3
<b>Address</b>	[2686]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of Analog input 3 when set as digital input (0=Normaly Open/1=Normaly Close)

<b>Variable</b>	Delay on AI activation 1
<b>Address</b>	[2687]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Activation delay of Analog input 1 when set as digital input

<b>Variable</b>	Delay on AI activation 2
<b>Address</b>	[2688]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Activation delay of Analog input 2 when set as digital input

<b>Variable</b>	Delay on AI activation 3
<b>Address</b>	[2689]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Activation delay of Analog input 3 when set as digital input

## MODBUS TABLE

<b>Variable</b>	Timer ON Digital Input 1
<b>Address</b>	[2709]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital Input 1 activation timer

<b>Variable</b>	Timer ON Digital Input 2
<b>Address</b>	[2710]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital Input 2 activation timer

<b>Variable</b>	Timer ON Digital Input 3
<b>Address</b>	[2711]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital Input 3 activation timer

<b>Variable</b>	Timer ON Digital Input 4
<b>Address</b>	[2712]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital Input 4 activation timer

## MODBUS TABLE

<b>Variable</b>	Timer ON Digital Input 5
<b>Address</b>	[2713]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital Input 5 activation timer

<b>Variable</b>	Timer ON Digital Input 6
<b>Address</b>	[2714]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital Input 6 activation timer

<b>Variable</b>	Timer ON Digital Input 7
<b>Address</b>	[2715]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital Input 7 activation timer

<b>Variable</b>	Timer ON Digital Input 8
<b>Address</b>	[2716]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital Input 8 activation timer



## MODBUS TABLE

<b>Variable</b>	Timer ON Digital Input 9
<b>Address</b>	[2717]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital Input 9 activation timer

<b>Variable</b>	Timer OFF Digital Input 1
<b>Address</b>	[2718]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital Input 1 desactivation timer

<b>Variable</b>	Timer OFF Digital Input 2
<b>Address</b>	[2719]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital Input 2 desactivation timer

<b>Variable</b>	Timer OFF Digital Input 3
<b>Address</b>	[2720]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital Input 3 desactivation timer

## MODBUS TABLE

<b>Variable</b>	Timer OFF Digital Input 4
<b>Address</b>	[2721]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital Input 4 desactivation timer

<b>Variable</b>	Timer OFF Digital Input 5
<b>Address</b>	[2722]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital Input 5 desactivation timer

<b>Variable</b>	Timer OFF Digital Input 6
<b>Address</b>	[2723]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital Input 6 desactivation timer

<b>Variable</b>	Timer OFF Digital Input 7
<b>Address</b>	[2724]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital Input 7 desactivation timer

## MODBUS TABLE

<b>Variable</b>	Timer OFF Digital Input 8
<b>Address</b>	[2725]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital Input 8 desactivation timer

<b>Variable</b>	Timer OFF Digital Input 9
<b>Address</b>	[2726]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital Input 9 desactivation timer

<b>Variable</b>	Validity on digital input 1
<b>Address</b>	[2727]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Digital Input 1 activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on digital input 2
<b>Address</b>	[2728]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Digital Input 2 activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

## MODBUS TABLE

<b>Variable</b>	Validity on digital input 3
<b>Address</b>	[2729]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Digital Input 3 activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on digital input 4
<b>Address</b>	[2730]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Digital Input 4 activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on digital input 5
<b>Address</b>	[2731]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Digital Input 5 activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

## MODBUS TABLE

<b>Variable</b>	Validity on digital input 6
<b>Address</b>	[2732]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Digital Input 6 activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on digital input 7
<b>Address</b>	[2733]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Digital Input 7 activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on digital input 8
<b>Address</b>	[2734]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Digital Input 8 activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

## MODBUS TABLE

<b>Variable</b>	Validity on digital input 9
<b>Address</b>	[2735]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Digital Input 9 activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Polarity NO/NC on DI 1
<b>Address</b>	[2736]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of Digital Input 1 (0=Normaly Open/1=Normaly Close)

<b>Variable</b>	Polarity NO/NC on DI 2
<b>Address</b>	[2737]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of Digital Input 2 (0=Normaly Open/1=Normaly Close)

<b>Variable</b>	Polarity NO/NC on DI 3
<b>Address</b>	[2738]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of Digital Input 3 (0=Normaly Open/1=Normaly Close)

## MODBUS TABLE

<b>Variable</b>	Polarity NO/NC on DI 4
<b>Address</b>	[2739]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of Digital Input 4 (0=Normaly Open/1=Normaly Close)

<b>Variable</b>	Polarity NO/NC on DI 5
<b>Address</b>	[2740]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of Digital Input 5 (0=Normaly Open/1=Normaly Close)

<b>Variable</b>	Polarity NO/NC on DI 6
<b>Address</b>	[2741]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of Digital Input 6 (0=Normaly Open/1=Normaly Close)

<b>Variable</b>	Polarity NO/NC on DI 7
<b>Address</b>	[2742]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of Digital Input 7 (0=Normaly Open/1=Normaly Close)

## MODBUS TABLE

<b>Variable</b>	Polarity NO/NC on DI 8
<b>Address</b>	[2743]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of Digital Input 8 (0=Normaly Open/1=Normaly Close)

<b>Variable</b>	Polarity NO/NC on DI 9
<b>Address</b>	[2744]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of Digital Input 9 (0=Normaly Open/1=Normaly Close)

<b>Variable</b>	Polarity NE/ND DO 1
<b>Address</b>	[2751]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Polarity (0=Normaly De-energized / 1=Normaly Energized) Digital output 1

<b>Variable</b>	Polarity NE/ND DO 2
<b>Address</b>	[2752]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Polarity (0=Normaly De-energized / 1=Normaly Energized) Digital output 2



## MODBUS TABLE

<b>Variable</b>	Polarity NE/ND DO 3
<b>Address</b>	[2753]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Polarity (0=Normaly De-energized / 1=Normaly Energized) Digital output 3

<b>Variable</b>	Polarity NE/ND DO 4
<b>Address</b>	[2754]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Polarity (0=Normaly De-energized / 1=Normaly Energized) Digital output 4

<b>Variable</b>	Polarity NE/ND DO 5
<b>Address</b>	[2755]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Polarity (0=Normaly De-energized / 1=Normaly Energized) Digital output 5

<b>Variable</b>	Polarity NE/ND DO 6
<b>Address</b>	[2756]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Polarity (0=Normaly De-energized / 1=Normaly Energized) Digital output 6

## MODBUS TABLE

<b>Variable</b>	Direction NO/NC Relay 1
<b>Address</b>	[2759]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Relay 1 Direction (0=Normaly Open / 1=Normaly Closed)

<b>Variable</b>	Direction NO/NC Relay 2
<b>Address</b>	[2760]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Relay 2 Direction (0=Normaly Open / 1=Normaly Closed)

<b>Variable</b>	Pulse length DO 1
<b>Address</b>	[2761]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital ouput 1 pulse timer (0 = no pulse, continous activation)

<b>Variable</b>	Pulse length DO 2
<b>Address</b>	[2762]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital ouput 2 pulse timer (0 = no pulse, continous activation)

## MODBUS TABLE

<b>Variable</b>	Pulse length DO 3
<b>Address</b>	[2763]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital ouput 3 pulse timer (0 = no pulse, continous activation)

<b>Variable</b>	Pulse length DO 4
<b>Address</b>	[2764]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital ouput 4 pulse timer (0 = no pulse, continous activation)

<b>Variable</b>	Pulse length DO 5
<b>Address</b>	[2765]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital ouput 5 pulse timer (0 = no pulse, continous activation)

<b>Variable</b>	Pulse length DO 6
<b>Address</b>	[2766]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Digital ouput 6 pulse timer (0 = no pulse, continous activation)

## MODBUS TABLE

<b>Variable</b>	Pulse length R 1
<b>Address</b>	[2767]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Relay ouput 1 pulse timer (0 = no pulse, continous activation)

<b>Variable</b>	Pulse length R 2
<b>Address</b>	[2768]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Relay ouput 2 pulse timer (0 = no pulse, continous activation)

<b>Variable</b>	Activation delay DO 01
<b>Address</b>	[2793]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Delay before physical activation of logic output 1

<b>Variable</b>	Activation delay DO 02
<b>Address</b>	[2794]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Delay before physical activation of logic output 2

## MODBUS TABLE

<b>Variable</b>	Activation delay DO 03
<b>Address</b>	[2795]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Delay before physical activation of logic output 3

<b>Variable</b>	Activation delay DO 04
<b>Address</b>	[2796]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Delay before physical activation of logic output 4

<b>Variable</b>	Activation delay DO 05
<b>Address</b>	[2797]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Delay before physical activation of logic output 5

<b>Variable</b>	Activation delay DO 06
<b>Address</b>	[2798]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Delay before physical activation of logic output 6

## MODBUS TABLE

<b>Variable</b>	Activation delay relay 1
<b>Address</b>	[8250]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Delay before physical activation of relay 1

<b>Variable</b>	Activation delay relay 2
<b>Address</b>	[8251]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Delay before physical activation of relay 2

## I/O CAN BUS EXPANSION

<b>Variable</b>	CANopenTM I1
<b>Address</b>	[3232]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

## MODBUS TABLE

<b>Variable</b>	CANopenTM I2
<b>Address</b>	[3233]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I3
<b>Address</b>	[3234]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I4
<b>Address</b>	[3235]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

## MODBUS TABLE

<b>Variable</b>	CANopenTM I5
<b>Address</b>	[3236]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I6
<b>Address</b>	[3237]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I7
<b>Address</b>	[3238]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change



## MODBUS TABLE

<b>Variable</b>	CANopenTM I8
<b>Address</b>	[3239]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I9
<b>Address</b>	[3240]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I10
<b>Address</b>	[3241]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

## MODBUS TABLE

<b>Variable</b>	CANopenTM I11
<b>Address</b>	[3242]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I12
<b>Address</b>	[3243]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I13
<b>Address</b>	[3244]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

## MODBUS TABLE

<b>Variable</b>	CANopenTM I14
<b>Address</b>	[3245]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I15
<b>Address</b>	[3246]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I16
<b>Address</b>	[3247]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

## MODBUS TABLE

<b>Variable</b>	CANopenTM I17
<b>Address</b>	[3248]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I18
<b>Address</b>	[3249]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I19
<b>Address</b>	[3250]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

## MODBUS TABLE

<b>Variable</b>	CANopenTM I20
<b>Address</b>	[3251]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I21
<b>Address</b>	[3252]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I22
<b>Address</b>	[3253]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

## MODBUS TABLE

<b>Variable</b>	CANopenTM I23
<b>Address</b>	[3254]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I24
<b>Address</b>	[3255]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I25
<b>Address</b>	[3256]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

## MODBUS TABLE

<b>Variable</b>	CANopenTM I26
<b>Address</b>	[3257]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I27
<b>Address</b>	[3258]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I28
<b>Address</b>	[3259]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

## MODBUS TABLE

<b>Variable</b>	CANopenTM I29
<b>Address</b>	[3260]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I30
<b>Address</b>	[3261]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I31
<b>Address</b>	[3262]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change



## MODBUS TABLE

<b>Variable</b>	CANopenTM I32
<b>Address</b>	[3263]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	Validity on CANopen digital input 1
<b>Address</b>	[3264]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 2
<b>Address</b>	[3265]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 3
<b>Address</b>	[3266]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

## MODBUS TABLE

<b>Variable</b>	Validity on CANopen digital input 4
<b>Address</b>	[3267]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 5
<b>Address</b>	[3268]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 6
<b>Address</b>	[3269]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 7
<b>Address</b>	[3270]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

## MODBUS TABLE

<b>Variable</b>	Validity on CANopen digital input 8
<b>Address</b>	[3271]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 9
<b>Address</b>	[3272]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 10
<b>Address</b>	[3273]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 11
<b>Address</b>	[3274]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

## MODBUS TABLE

<b>Variable</b>	Validity on CANopen digital input 12
<b>Address</b>	[3275]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 13
<b>Address</b>	[3276]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 14
<b>Address</b>	[3277]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 15
<b>Address</b>	[3278]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

## MODBUS TABLE

<b>Variable</b>	Validity on CANopen digital input 16
<b>Address</b>	[3279]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 17
<b>Address</b>	[3280]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 18
<b>Address</b>	[3281]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 19
<b>Address</b>	[3282]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

## MODBUS TABLE

<b>Variable</b>	Validity on CANopen digital input 20
<b>Address</b>	[3283]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 21
<b>Address</b>	[3284]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 22
<b>Address</b>	[3285]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 23
<b>Address</b>	[3286]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

## MODBUS TABLE

<b>Variable</b>	Validity on CANopen digital input 24
<b>Address</b>	[3287]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 25
<b>Address</b>	[3288]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 26
<b>Address</b>	[3289]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 27
<b>Address</b>	[3290]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

## MODBUS TABLE

<b>Variable</b>	Validity on CANopen digital input 28
<b>Address</b>	[3291]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 29
<b>Address</b>	[3292]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 30
<b>Address</b>	[3293]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 31
<b>Address</b>	[3294]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)



## MODBUS TABLE

<b>Variable</b>	Validity on CANopen digital input 32
<b>Address</b>	[3295]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	CANopenDir I1
<b>Address</b>	[3296]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I2
<b>Address</b>	[3297]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I3
<b>Address</b>	[3298]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

## MODBUS TABLE

<b>Variable</b>	CANopenDir I4
<b>Address</b>	[3299]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I5
<b>Address</b>	[3300]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I6
<b>Address</b>	[3301]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I7
<b>Address</b>	[3302]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

## MODBUS TABLE

<b>Variable</b>	CANopenDir I8
<b>Address</b>	[3303]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I9
<b>Address</b>	[3304]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I10
<b>Address</b>	[3305]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I11
<b>Address</b>	[3306]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

## MODBUS TABLE

<b>Variable</b>	CANopenDir I12
<b>Address</b>	[3307]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I13
<b>Address</b>	[3308]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I14
<b>Address</b>	[3309]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I15
<b>Address</b>	[3310]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

## MODBUS TABLE

<b>Variable</b>	CANOpenDir I16
<b>Address</b>	[3311]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I17
<b>Address</b>	[3312]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I18
<b>Address</b>	[3313]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I19
<b>Address</b>	[3314]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

## MODBUS TABLE

<b>Variable</b>	CANopenDir I20
<b>Address</b>	[3315]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I21
<b>Address</b>	[3316]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I22
<b>Address</b>	[3317]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I23
<b>Address</b>	[3318]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

## MODBUS TABLE

<b>Variable</b>	CANopenDir I24
<b>Address</b>	[3319]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I25
<b>Address</b>	[3320]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I26
<b>Address</b>	[3321]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I27
<b>Address</b>	[3322]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

## MODBUS TABLE

<b>Variable</b>	CANopenDir I28
<b>Address</b>	[3323]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I29
<b>Address</b>	[3324]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I30
<b>Address</b>	[3325]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I31
<b>Address</b>	[3326]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed



## MODBUS TABLE

<b>Variable</b>	CANopenDir I32
<b>Address</b>	[3327]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenModeO1
<b>Address</b>	[3382]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO2
<b>Address</b>	[3383]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO3
<b>Address</b>	[3384]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

## MODBUS TABLE

<b>Variable</b>	CANopenModeO4
<b>Address</b>	[3385]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO5
<b>Address</b>	[3386]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO6
<b>Address</b>	[3387]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO7
<b>Address</b>	[3388]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

## MODBUS TABLE

<b>Variable</b>	CANopenModeO8
<b>Address</b>	[3389]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO9
<b>Address</b>	[3390]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO10
<b>Address</b>	[3391]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO11
<b>Address</b>	[3392]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

## MODBUS TABLE

<b>Variable</b>	CANopenModeO12
<b>Address</b>	[3393]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO13
<b>Address</b>	[3394]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO14
<b>Address</b>	[3395]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO15
<b>Address</b>	[3396]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

## MODBUS TABLE

<b>Variable</b>	CANopenModeO16
<b>Address</b>	[3397]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO17
<b>Address</b>	[3398]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO18
<b>Address</b>	[3399]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO19
<b>Address</b>	[3400]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

## MODBUS TABLE

<b>Variable</b>	CANopenModeO20
<b>Address</b>	[3401]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO21
<b>Address</b>	[3402]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO22
<b>Address</b>	[3403]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO23
<b>Address</b>	[3404]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

## MODBUS TABLE

<b>Variable</b>	CANopenModeO24
<b>Address</b>	[3405]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO25
<b>Address</b>	[3406]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO26
<b>Address</b>	[3407]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO27
<b>Address</b>	[3408]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

## MODBUS TABLE

<b>Variable</b>	CANopenModeO28
<b>Address</b>	[3409]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO29
<b>Address</b>	[3410]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO30
<b>Address</b>	[3411]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO31
<b>Address</b>	[3412]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized



## MODBUS TABLE

<b>Variable</b>	CANopenModeO32
<b>Address</b>	[3413]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopen Offset AI 01
<b>Address</b>	[8350]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Offset for CANopen analog input 1 value

<b>Variable</b>	CANopen Gain AI 01
<b>Address</b>	[8351]
<b>Scale Factor</b>	3
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10000
<b>Description</b>	Gain for CANopen analog input 1 value

<b>Variable</b>	CANopen Offset AI 02
<b>Address</b>	[8352]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Offset for CANopen analog input 2 value

## MODBUS TABLE

<b>Variable</b>	CANopen Gain AI 02
<b>Address</b>	[8353]
<b>Scale Factor</b>	3
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10000
<b>Description</b>	Gain for CANopen analog input 2 value

<b>Variable</b>	CANopen Offset AI 03
<b>Address</b>	[8354]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Offset for CANopen analog input 3 value

<b>Variable</b>	CANopen Gain AI 03
<b>Address</b>	[8355]
<b>Scale Factor</b>	3
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10000
<b>Description</b>	Gain for CANopen analog input 3 value

<b>Variable</b>	CANopen Offset AI 04
<b>Address</b>	[8356]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Offset for CANopen analog input 4 value

## MODBUS TABLE

<b>Variable</b>	CANopen Gain AI 04
<b>Address</b>	[8357]
<b>Scale Factor</b>	3
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10000
<b>Description</b>	Gain for CANopen analog input 4 value

<b>Variable</b>	CANopen Offset AI 05
<b>Address</b>	[8358]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Offset for CANopen analog input 5 value

<b>Variable</b>	CANopen Gain AI 05
<b>Address</b>	[8359]
<b>Scale Factor</b>	3
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10000
<b>Description</b>	Gain for CANopen analog input 5 value

<b>Variable</b>	CANopen Offset AI 06
<b>Address</b>	[8360]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Offset for CANopen analog input 6 value

## MODBUS TABLE

<b>Variable</b>	CANopen Gain AI 06
<b>Address</b>	[8361]
<b>Scale Factor</b>	3
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10000
<b>Description</b>	Gain for CANopen analog input 6 value

<b>Variable</b>	CANopen Offset AI 07
<b>Address</b>	[8362]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Offset for CANopen analog input 7 value

<b>Variable</b>	CANopen Gain AI 07
<b>Address</b>	[8363]
<b>Scale Factor</b>	3
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10000
<b>Description</b>	Gain for CANopen analog input 7 value

<b>Variable</b>	CANopen Offset AI 08
<b>Address</b>	[8364]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Offset for CANopen analog input 8 value

## MODBUS TABLE

<b>Variable</b>	CANopen Gain AI 08
<b>Address</b>	[8365]
<b>Scale Factor</b>	3
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10000
<b>Description</b>	Gain for CANopen analog input 8 value

<b>Variable</b>	CANopen Offset AI 09
<b>Address</b>	[8366]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Offset for CANopen analog input 9 value

<b>Variable</b>	CANopen Gain AI 09
<b>Address</b>	[8367]
<b>Scale Factor</b>	3
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10000
<b>Description</b>	Gain for CANopen analog input 9 value

<b>Variable</b>	CANopen Offset AI 10
<b>Address</b>	[8368]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Offset for CANopen analog input 10 value

## MODBUS TABLE

<b>Variable</b>	CANopen Gain AI 10
<b>Address</b>	[8369]
<b>Scale Factor</b>	3
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10000
<b>Description</b>	Gain for CANopen analog input 10 value

<b>Variable</b>	CANopen Offset AI 11
<b>Address</b>	[8370]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Offset for CANopen analog input 11 value

<b>Variable</b>	CANopen Gain AI 11
<b>Address</b>	[8371]
<b>Scale Factor</b>	3
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10000
<b>Description</b>	Gain for CANopen analog input 11 value

<b>Variable</b>	CANopen Offset AI 12
<b>Address</b>	[8372]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Offset for CANopen analog input 12 value

## MODBUS TABLE

<b>Variable</b>	CANopen Gain AI 12
<b>Address</b>	[8373]
<b>Scale Factor</b>	3
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10000
<b>Description</b>	Gain for CANopen analog input 12 value

<b>Variable</b>	CANopen Offset AI 13
<b>Address</b>	[8374]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Offset for CANopen analog input 13 value

<b>Variable</b>	CANopen Gain AI 13
<b>Address</b>	[8375]
<b>Scale Factor</b>	3
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10000
<b>Description</b>	Gain for CANopen analog input 13 value

<b>Variable</b>	CANopen Offset AI 14
<b>Address</b>	[8376]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Offset for CANopen analog input 14 value

## MODBUS TABLE

<b>Variable</b>	CANopen Gain AI 14
<b>Address</b>	[8377]
<b>Scale Factor</b>	3
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10000
<b>Description</b>	Gain for CANopen analog input 14 value

<b>Variable</b>	CANopen Offset AI 15
<b>Address</b>	[8378]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Offset for CANopen analog input 15 value

<b>Variable</b>	CANopen Gain AI 15
<b>Address</b>	[8379]
<b>Scale Factor</b>	3
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10000
<b>Description</b>	Gain for CANopen analog input 15 value

<b>Variable</b>	CANopen Offset AI 16
<b>Address</b>	[8380]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Offset for CANopen analog input 16 value



## MODBUS TABLE

<b>Variable</b>	CANopen Gain AI 16
<b>Address</b>	[8381]
<b>Scale Factor</b>	3
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10000
<b>Description</b>	Gain for CANopen analog input 16 value

<b>Variable</b>	CANopenTM I33
<b>Address</b>	[8582]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I34
<b>Address</b>	[8583]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

## MODBUS TABLE

<b>Variable</b>	CANopenTM I35
<b>Address</b>	[8584]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I36
<b>Address</b>	[8585]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I37
<b>Address</b>	[8586]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

## MODBUS TABLE

<b>Variable</b>	CANopenTM I38
<b>Address</b>	[8587]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I39
<b>Address</b>	[8588]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I40
<b>Address</b>	[8589]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

## MODBUS TABLE

<b>Variable</b>	CANopenTM I41
<b>Address</b>	[8590]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I42
<b>Address</b>	[8591]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I43
<b>Address</b>	[8592]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

## MODBUS TABLE

<b>Variable</b>	CANopenTM I44
<b>Address</b>	[8593]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I45
<b>Address</b>	[8594]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I46
<b>Address</b>	[8595]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

## MODBUS TABLE

<b>Variable</b>	CANopenTM I47
<b>Address</b>	[8596]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I48
<b>Address</b>	[8597]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I49
<b>Address</b>	[8598]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

## MODBUS TABLE

<b>Variable</b>	CANopenTM I50
<b>Address</b>	[8599]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I51
<b>Address</b>	[8600]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I52
<b>Address</b>	[8601]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

## MODBUS TABLE

<b>Variable</b>	CANopenTM I53
<b>Address</b>	[8602]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I54
<b>Address</b>	[8603]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I55
<b>Address</b>	[8604]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change



## MODBUS TABLE

<b>Variable</b>	CANopenTM I56
<b>Address</b>	[8605]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I57
<b>Address</b>	[8606]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I58
<b>Address</b>	[8607]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

## MODBUS TABLE

<b>Variable</b>	CANopenTM I59
<b>Address</b>	[8608]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I60
<b>Address</b>	[8609]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I61
<b>Address</b>	[8610]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

## MODBUS TABLE

<b>Variable</b>	CANopenTM I62
<b>Address</b>	[8611]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I63
<b>Address</b>	[8612]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

<b>Variable</b>	CANopenTM I64
<b>Address</b>	[8613]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Function execution delay, user can add execution delay after logic input status change

## MODBUS TABLE

<b>Variable</b>	Validity on CANopen digital input 33
<b>Address</b>	[8614]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 34
<b>Address</b>	[8615]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 35
<b>Address</b>	[8616]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 36
<b>Address</b>	[8617]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

## MODBUS TABLE

<b>Variable</b>	Validity on CANopen digital input 37
<b>Address</b>	[8618]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 38
<b>Address</b>	[8619]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 39
<b>Address</b>	[8620]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 40
<b>Address</b>	[8621]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

## MODBUS TABLE

<b>Variable</b>	Validity on CANopen digital input 41
<b>Address</b>	[8622]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 42
<b>Address</b>	[8623]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 43
<b>Address</b>	[8624]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 44
<b>Address</b>	[8625]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

## MODBUS TABLE

<b>Variable</b>	Validity on CANopen digital input 45
<b>Address</b>	[8626]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 46
<b>Address</b>	[8627]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 47
<b>Address</b>	[8628]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 48
<b>Address</b>	[8629]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

## MODBUS TABLE

<b>Variable</b>	Validity on CANopen digital input 49
<b>Address</b>	[8630]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 50
<b>Address</b>	[8631]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 51
<b>Address</b>	[8632]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 52
<b>Address</b>	[8633]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)



## MODBUS TABLE

<b>Variable</b>	Validity on CANopen digital input 53
<b>Address</b>	[8634]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 54
<b>Address</b>	[8635]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 55
<b>Address</b>	[8636]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 56
<b>Address</b>	[8637]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

## MODBUS TABLE

<b>Variable</b>	Validity on CANopen digital input 57
<b>Address</b>	[8638]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 58
<b>Address</b>	[8639]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 59
<b>Address</b>	[8640]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 60
<b>Address</b>	[8641]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

## MODBUS TABLE

<b>Variable</b>	Validity on CANopen digital input 61
<b>Address</b>	[8642]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 62
<b>Address</b>	[8643]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 63
<b>Address</b>	[8644]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

<b>Variable</b>	Validity on CANopen digital input 64
<b>Address</b>	[8645]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activation validity (0=Never/1=Always/2=Post Starting/3= rpm & Volt Stabilized)

## MODBUS TABLE

<b>Variable</b>	CANOpenDir I33
<b>Address</b>	[8646]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I34
<b>Address</b>	[8647]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I35
<b>Address</b>	[8648]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I36
<b>Address</b>	[8649]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

## MODBUS TABLE

<b>Variable</b>	CANOpenDir I37
<b>Address</b>	[8650]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I38
<b>Address</b>	[8651]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I39
<b>Address</b>	[8652]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I40
<b>Address</b>	[8653]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

## MODBUS TABLE

<b>Variable</b>	CANOpenDir I41
<b>Address</b>	[8654]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I42
<b>Address</b>	[8655]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I43
<b>Address</b>	[8656]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I44
<b>Address</b>	[8657]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

## MODBUS TABLE

<b>Variable</b>	CANOpenDir I45
<b>Address</b>	[8658]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I46
<b>Address</b>	[8659]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I47
<b>Address</b>	[8660]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I48
<b>Address</b>	[8661]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

## MODBUS TABLE

<b>Variable</b>	CANOpenDir I49
<b>Address</b>	[8662]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I50
<b>Address</b>	[8663]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I51
<b>Address</b>	[8664]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I52
<b>Address</b>	[8665]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed



## MODBUS TABLE

<b>Variable</b>	CANopenDir I53
<b>Address</b>	[8666]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I54
<b>Address</b>	[8667]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I55
<b>Address</b>	[8668]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I56
<b>Address</b>	[8669]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

## MODBUS TABLE

<b>Variable</b>	CANOpenDir I57
<b>Address</b>	[8670]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I58
<b>Address</b>	[8671]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I59
<b>Address</b>	[8672]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANOpenDir I60
<b>Address</b>	[8673]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

## MODBUS TABLE

<b>Variable</b>	CANopenDir I61
<b>Address</b>	[8674]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I62
<b>Address</b>	[8675]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I63
<b>Address</b>	[8676]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

<b>Variable</b>	CANopenDir I64
<b>Address</b>	[8677]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Direction of logic input Normally open or Normally closed

## MODBUS TABLE

<b>Variable</b>	CANopenModeO33
<b>Address</b>	[8732]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO34
<b>Address</b>	[8733]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO35
<b>Address</b>	[8734]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO36
<b>Address</b>	[8735]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

## MODBUS TABLE

<b>Variable</b>	CANopenModeO37
<b>Address</b>	[8736]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO38
<b>Address</b>	[8737]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO39
<b>Address</b>	[8738]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO40
<b>Address</b>	[8739]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

## MODBUS TABLE

<b>Variable</b>	CANopenModeO41
<b>Address</b>	[8740]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO42
<b>Address</b>	[8741]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO43
<b>Address</b>	[8742]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO44
<b>Address</b>	[8743]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

## MODBUS TABLE

<b>Variable</b>	CANopenModeO45
<b>Address</b>	[8744]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO46
<b>Address</b>	[8745]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO47
<b>Address</b>	[8746]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO48
<b>Address</b>	[8747]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

## MODBUS TABLE

<b>Variable</b>	CANopenModeO49
<b>Address</b>	[8748]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO50
<b>Address</b>	[8749]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO51
<b>Address</b>	[8750]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO52
<b>Address</b>	[8751]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized



## MODBUS TABLE

<b>Variable</b>	CANopenModeO53
<b>Address</b>	[8752]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO54
<b>Address</b>	[8753]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO55
<b>Address</b>	[8754]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO56
<b>Address</b>	[8755]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

## MODBUS TABLE

<b>Variable</b>	CANopenModeO57
<b>Address</b>	[8756]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO58
<b>Address</b>	[8757]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO59
<b>Address</b>	[8758]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO60
<b>Address</b>	[8759]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

## MODBUS TABLE

<b>Variable</b>	CANopenModeO61
<b>Address</b>	[8760]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO62
<b>Address</b>	[8761]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO63
<b>Address</b>	[8762]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

<b>Variable</b>	CANopenModeO64
<b>Address</b>	[8763]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	selection of the direction of the logic output, normally energized or de-energized

## TIMERS/METERS

<b>Variable</b>	Delay before activation of the protections
<b>Address</b>	[2004]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Waiting time before activating protections once the power plant is ready.

<b>Variable</b>	Change over timer
<b>Address</b>	[2007]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	9999
<b>Description</b>	This timer corresponds to the waiting time between the opening of the generator/bus breaker and the closing of the mains breaker or vice versa.

<b>Variable</b>	Mains back timer
<b>Address</b>	[2009]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Waiting time between the moment when the mains returns (no longer any protection configured as mains failure is active) and the moment when the sequence to return to the mains is started.

## MODBUS TABLE

<b>Variable</b>	Test mode duration
<b>Address</b>	[2016]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	This parameter allows you to set the time for which the product will remain in test mode if the limited time test mode has been activated.

<b>Variable</b>	Load ramp timer
<b>Address</b>	[2853]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	16000
<b>Description</b>	<p>This setpoint adjusts the load ramp timer, for load sharing or mains paralleling mode.</p> <p>In case of a battery it adjusts the discharge ramp timer.</p> <p>100 % of this timer corresponds to transfer 100% of generator/power plant/battery nominal kW.</p> <p>For a ramp, to transfer, from 10% to 60% of nominal kW, the time will be 50% of the set timer.</p>

<b>Variable</b>	Unload ramp timer
<b>Address</b>	[2856]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	16000
<b>Description</b>	<p>This setpoint adjusts the unload ramp timer, for load sharing or mains paralleling mode.</p> <p>In case of a battery it adjusts the charge ramp timer.</p> <p>100 % of this timer corresponds to transfer 100% of generator/power plant nominal kW.</p> <p>For a ramp, to transfer, from 60% to 10% of nominal kW, the time will be 50% of the set timer.</p>

## POWER PLANT

<b>Variable</b>	Number of GENSYS COMPACT PRIME
<b>Address</b>	[2000]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32
<b>Description</b>	Number of GENSYS COMPACT PRIME on the power plant. This parameter is used for the CAN communication between products.

<b>Variable</b>	My number
<b>Address</b>	[2001]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	32
<b>Description</b>	<p>This parameter is used to define the product identifier for communication between products.</p> <p>It must be unique for each controller 'type':</p> <ul style="list-style-type: none"> <li>- Number GENSYS COMPACT from first to last (32 maximum)</li> <li>- Number MASTER COMPACT, MASTER COMPACT 1B and BTB COMPACT from first to last (32 maximum)</li> <li>- Number HYBRID COMPACT from first to last (32 maximum)</li> <li>- Number BAT COMPACT from first to last (max. 32)</li> </ul>

## MODBUS TABLE

<b>Variable</b>	Connection type
<b>Address</b>	[2003]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Monophase 1: Biphase 180° 2: Triphase 120° (3 or 4 wires) 3: Triphase L1-N-L2 4: Triphase L2-N-L3 5: Triphase L3-N-L1
<b>Description</b>	<p>This parameter is used to select the voltage system that will be applied to all the voltage sources managed by the product. 6 values can be selected:</p> <ul style="list-style-type: none"> <li>- Single phase: Connection of one active phase and one neutral. Connect the voltages on terminals L1-N. Connect the currents on I1-IN.</li> <li>- Two phase 180°: Connection of 2 active phases (and an optional neutral). Connect the voltages to terminals L1-L3 (and optional N). Connect the currents to I1-I3-IN. If the neutral is not connected to the voltage terminal block, the product will calculate a virtual neutral by itself.</li> <li>- Three-phase 120°: Connection of 3 active phases (and an optional neutral). Connect the voltages on terminals L1-L2-L3 (and optional N). Connect the currents to I1-I2-I3-IN. If the neutral is not connected to the voltage terminal block, the product will calculate a virtual neutral by itself.</li> <li>- Three-phase L1-N-L2: Connection of 3 active phases and a neutral. High leg on L3, neutral between L1 and L2. The neutral must be connected.</li> <li>- Three-phase L2-N-L3: Connection of 3 active phases and a neutral. High leg on L1, neutral between L2 and L3. The neutral must be connected.</li> <li>- Three-phase L3-N-L1: Connection of 3 active phases and a neutral. High leg on L2, neutral between L3 and L1. The neutral must be connected.</li> </ul>

<b>Variable</b>	Number of MASTER COMPACT/BTB COMPACT
<b>Address</b>	[2017]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32
<b>Description</b>	<p>Number of MASTER COMPACT / MASTER COMPACT 1B / BTB (combined) on the power plant. This parameter is used for the CAN communication between products.</p>

## MODBUS TABLE

<b>Variable</b>	Segment number
<b>Address</b>	[2020]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	33
<b>Description</b>	Segment number of the unit

<b>Variable</b>	Power plant minimum kW
<b>Address</b>	[2108]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Minimum active nominal power needed to consider the power plant ready

<b>Variable</b>	Power plant minimum number of GE
<b>Address</b>	[2109]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32
<b>Description</b>	<p>This parameter defines the minimum number of generators required to consider the power plant ready. The controller will close the bus breaker as soon as the number of generators on the bus is greater than or equal to the value set in this parameter.</p> <p>To magnetize the transformer, set this parameter to 0 (to close the bus breaker before the generator breakers) and configure the GENSYS COMPACT PRIME in static paralleling.</p>



## MODBUS TABLE

<b>Variable</b>	Fail to open/close breaker timer
<b>Address</b>	[2304]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	100
<b>Description</b>	Circuit breaker max command delay (timer for discrepancy between command and feedback), identical for both generator circuit breaker and main circuit breaker, is generating a fault.

<b>Variable</b>	Unexpected close/open breaker timer
<b>Address</b>	[2317]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	100
<b>Description</b>	Timer before taking into account an unexpected change of a breaker feedback input state.

<b>Variable</b>	Control on not enough genset available
<b>Address</b>	[2399]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 3: Alarm
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

## MODBUS TABLE

<b>Variable</b>	Minimum delay between 2 openings
<b>Address</b>	[2861]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Minimum time between two load shedding requests

<b>Variable</b>	Action after last opening
<b>Address</b>	[2862]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Under frequency threshold 1
<b>Address</b>	[3700]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1000
<b>Description</b>	First underfrequency level

<b>Variable</b>	Under frequency threshold 2
<b>Address</b>	[3701]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1000
<b>Description</b>	Second underfrequency level (must be lower than level 1)

## MODBUS TABLE

<b>Variable</b>	Opening load on under frequency
<b>Address</b>	[3702]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Disabled 1: Enable
<b>Description</b>	Enables/Disables underfrequency monitoring for non-essential load shedding

<b>Variable</b>	Maximum kW threshold 1
<b>Address</b>	[3703]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	First overload level

<b>Variable</b>	Maximum KW threshold 2
<b>Address</b>	[3704]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Second overload level (must be higher than level 1)

<b>Variable</b>	Opening of the load on maximum kW
<b>Address</b>	[3705]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Disabled 1: Enable
<b>Description</b>	Enables/Disables overload monitoring for non-essential load shedding

## MODBUS TABLE

<b>Variable</b>	Timer for threshold 1
<b>Address</b>	[3706]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Delay before first level activation (kW and Hz)

<b>Variable</b>	Timer for threshold 2
<b>Address</b>	[3707]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Delay before activation of the second level (kW and Hz). Must be lower than level 1.

<b>Variable</b>	Unload breaker timer 1
<b>Address</b>	[3720]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Time before closing the breaker of the load n°1

<b>Variable</b>	Unload breaker timer 2
<b>Address</b>	[3721]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Time before closing the breaker of the load n°2

## MODBUS TABLE

<b>Variable</b>	Unload breaker timer 3
<b>Address</b>	[3722]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Time before closing the breaker of the load n°3

<b>Variable</b>	Unload breaker timer 4
<b>Address</b>	[3723]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Time before closing the breaker of the load n°4

<b>Variable</b>	Unload breaker timer 5
<b>Address</b>	[3724]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Time before closing the breaker of the load n°5

<b>Variable</b>	Unload breaker timer 6
<b>Address</b>	[3725]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Time before closing the breaker of the load n°6

## MODBUS TABLE

<b>Variable</b>	Unload breaker timer 7
<b>Address</b>	[3726]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Time before closing the breaker of the load n°7

<b>Variable</b>	Unload breaker timer 8
<b>Address</b>	[3727]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Time before closing the breaker of the load n°8

<b>Variable</b>	Unload breaker timer 9
<b>Address</b>	[3728]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Time before closing the breaker of the load n°9

<b>Variable</b>	Unload breaker timer 10
<b>Address</b>	[3729]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Time before closing the breaker of the load n°10

## MODBUS TABLE

<b>Variable</b>	Enable unload breakers
<b>Address</b>	[3730]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	Enable unload breakers

<b>Variable</b>	Unload breaker kW 1
<b>Address</b>	[3731]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Active power threshold before closing the breaker of the load n°1

<b>Variable</b>	Unload breaker kW 2
<b>Address</b>	[3732]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Active power threshold before closing the breaker of the load n°2

<b>Variable</b>	Unload breaker kW 3
<b>Address</b>	[3733]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Active power threshold before closing the breaker of the load n°3

## MODBUS TABLE

<b>Variable</b>	Unload breaker kW 4
<b>Address</b>	[3734]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Active power threshold before closing the breaker of the load n°4

<b>Variable</b>	Unload breaker kW 5
<b>Address</b>	[3735]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Active power threshold before closing the breaker of the load n°5

<b>Variable</b>	Unload breaker kW 6
<b>Address</b>	[3736]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Active power threshold before closing the breaker of the load n°6

<b>Variable</b>	Unload breaker kW 7
<b>Address</b>	[3737]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Active power threshold before closing the breaker of the load n°7



## MODBUS TABLE

<b>Variable</b>	Unload breaker kW 8
<b>Address</b>	[3738]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Active power threshold before closing the breaker of the load n°8

<b>Variable</b>	Unload breaker kW 9
<b>Address</b>	[3739]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Active power threshold before closing the breaker of the load n°9

<b>Variable</b>	Unload breaker kW 10
<b>Address</b>	[3740]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Active power threshold before closing the breaker of the load n°10

## BUS PROTECTIONS

<b>Variable</b>	Mismatch rotophases protection control
<b>Address</b>	[2397]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Over frequency threshold
<b>Address</b>	[2400]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Over frequency timer
<b>Address</b>	[2401]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Over frequency control
<b>Address</b>	[2402]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Under frequency threshold
<b>Address</b>	[2403]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Under frequency timer
<b>Address</b>	[2404]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Under frequency control
<b>Address</b>	[2405]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Over voltage threshold
<b>Address</b>	[2406]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Over voltage timer
<b>Address</b>	[2407]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Over voltage control
<b>Address</b>	[2408]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Under voltage threshold
<b>Address</b>	[2409]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Under voltage timer
<b>Address</b>	[2410]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Under voltage control
<b>Address</b>	[2411]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Over frequency threshold 2
<b>Address</b>	[2436]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Over frequency timer 2
<b>Address</b>	[2437]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Over frequency control 2
<b>Address</b>	[2438]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Under frequency threshold 2
<b>Address</b>	[2439]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Under frequency timer 2
<b>Address</b>	[2440]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Under frequency control 2
<b>Address</b>	[2441]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Over voltage threshold 2
<b>Address</b>	[2442]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Over voltage timer 2
<b>Address</b>	[2443]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.



## MODBUS TABLE

<b>Variable</b>	Over voltage control 2
<b>Address</b>	[2444]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Under voltage threshold 2
<b>Address</b>	[2445]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Under voltage timer 2
<b>Address</b>	[2446]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Under voltage control 2
<b>Address</b>	[2447]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Horn timer
<b>Address</b>	[2478]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Duration of activation of the horn which is activated each time an alarm or fault occurs on the product. The value 0 means that the horn will sound until the alarms/ faults on the product are manually acknowledged.

<b>Variable</b>	Voltage unbalance threshold
<b>Address</b>	[2486]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

## MODBUS TABLE

<b>Variable</b>	Voltage unbalance timer
<b>Address</b>	[2487]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

<b>Variable</b>	Voltage unbalance control
<b>Address</b>	[2488]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Voltage unbalance threshold 2
<b>Address</b>	[2489]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

## MODBUS TABLE

<b>Variable</b>	Voltage unbalance timer 2
<b>Address</b>	[2490]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

<b>Variable</b>	Voltage unbalance control 2
<b>Address</b>	[2491]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Rotophase activation direction (0 = Indirect, 1 = Direct)
<b>Address</b>	[8500]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Indirect 1: Direct
<b>Description</b>	This setpoint define wich direction of rotophase will activate rotophase protection. If the setpoint is on direct then the action of variables 8500 will activate if voltage phases are plugged on a direct direction. If the setpoint is on indirect then the action of variables 8500 will activate if voltage phases are plugged on an indirect direction.

## MODBUS TABLE

<b>Variable</b>	Rotophase protection control
<b>Address</b>	[8501]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

## MAINS PROTECTIONS

<b>Variable</b>	Over frequency threshold
<b>Address</b>	[2500]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Over frequency timer
<b>Address</b>	[2501]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Over frequency control
<b>Address</b>	[2502]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 2: Mains failure 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Under frequency threshold
<b>Address</b>	[2503]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Under frequency timer
<b>Address</b>	[2504]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Under frequency control
<b>Address</b>	[2505]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 2: Mains failure 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Over voltage threshold
<b>Address</b>	[2506]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Over voltage timer
<b>Address</b>	[2507]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Over voltage control
<b>Address</b>	[2508]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 2: Mains failure 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Under voltage threshold
<b>Address</b>	[2509]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Under voltage timer
<b>Address</b>	[2510]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.



## MODBUS TABLE

<b>Variable</b>	Under voltage control
<b>Address</b>	[2511]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 2: Mains failure 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Minimum kW threshold
<b>Address</b>	[2512]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Minimum kW timer
<b>Address</b>	[2513]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Minimum kW control
<b>Address</b>	[2514]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Maximum kW threshold
<b>Address</b>	[2515]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Maximum kW timer
<b>Address</b>	[2516]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Maximum kW control
<b>Address</b>	[2517]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Reverse kW threshold
<b>Address</b>	[2518]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Reverse kW timer
<b>Address</b>	[2519]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Reverse kW control
<b>Address</b>	[2520]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Minimum kVAR threshold
<b>Address</b>	[2521]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Minimum kVAR timer
<b>Address</b>	[2522]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Minimum kVAR control
<b>Address</b>	[2523]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Maximum kVAR threshold
<b>Address</b>	[2524]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Maximum kVAR timer
<b>Address</b>	[2525]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Maximum kVAR control
<b>Address</b>	[2526]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Reverse kVAR threshold
<b>Address</b>	[2527]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Reverse kVAR timer
<b>Address</b>	[2528]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Reverse kVAR control
<b>Address</b>	[2529]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Over frequency threshold 2
<b>Address</b>	[2530]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Over frequency timer 2
<b>Address</b>	[2531]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Over frequency control 2
<b>Address</b>	[2532]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 2: Mains failure 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Under frequency threshold 2
<b>Address</b>	[2533]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Under frequency timer 2
<b>Address</b>	[2534]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.



## MODBUS TABLE

<b>Variable</b>	Under frequency control 2
<b>Address</b>	[2535]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 2: Mains failure 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Over voltage threshold 2
<b>Address</b>	[2536]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Over voltage timer 2
<b>Address</b>	[2537]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Over voltage control 2
<b>Address</b>	[2538]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 2: Mains failure 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Under voltage threshold 2
<b>Address</b>	[2539]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Under voltage timer 2
<b>Address</b>	[2540]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Under voltage control 2
<b>Address</b>	[2541]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 2: Mains failure 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Minimum kW threshold 2
<b>Address</b>	[2542]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Minimum kW timer 2
<b>Address</b>	[2543]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Minimum kW control 2
<b>Address</b>	[2544]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Maximum kW threshold 2
<b>Address</b>	[2545]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Maximum kW timer 2
<b>Address</b>	[2546]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Maximum kW control 2
<b>Address</b>	[2547]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Reverse kW threshold 2
<b>Address</b>	[2548]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Reverse kW timer 2
<b>Address</b>	[2549]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Reverse kW control 2
<b>Address</b>	[2550]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Minimum kVAR threshold 2
<b>Address</b>	[2551]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Minimum kVAR timer 2
<b>Address</b>	[2552]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Minimum kVAR control 2
<b>Address</b>	[2553]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Maximum kVAR threshold 2
<b>Address</b>	[2554]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Maximum kVAR timer 2
<b>Address</b>	[2555]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

## MODBUS TABLE

<b>Variable</b>	Maximum kVAR control 2
<b>Address</b>	[2556]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Reverse kVAR threshold 2
<b>Address</b>	[2557]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	32500
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Reverse kVAR timer 2
<b>Address</b>	[2558]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.



## MODBUS TABLE

<b>Variable</b>	Reverse kVAR control 2
<b>Address</b>	[2559]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Vector jump threshold
<b>Address</b>	[2560]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	30
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Vector jump control
<b>Address</b>	[2561]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

## MODBUS TABLE

<b>Variable</b>	df/dt threshold
<b>Address</b>	[2562]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	100
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	df/dt control
<b>Address</b>	[2563]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Vector jump and df/dt timer
<b>Address</b>	[2564]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Timer Initialisation after mains paralleling to activate Vector Jump and/or df/dt (Ro-cof) protections

## MODBUS TABLE

<b>Variable</b>	Voltage unbalance threshold
<b>Address</b>	[2565]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Voltage unbalance timer
<b>Address</b>	[2566]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

<b>Variable</b>	Voltage unbalance control
<b>Address</b>	[2567]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

## MODBUS TABLE

<b>Variable</b>	Voltage unbalance threshold 2
<b>Address</b>	[2568]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Voltage unbalance timer 2
<b>Address</b>	[2569]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

<b>Variable</b>	Voltage unbalance control 2
<b>Address</b>	[2570]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

## MODBUS TABLE

<b>Variable</b>	Current unbalance threshold
<b>Address</b>	[2572]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Current unbalance timer
<b>Address</b>	[2573]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

<b>Variable</b>	Current unbalance control
<b>Address</b>	[2574]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

## MODBUS TABLE

<b>Variable</b>	Current unbalance threshold 2
<b>Address</b>	[2575]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	2000
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Current unbalance timer 2
<b>Address</b>	[2576]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

<b>Variable</b>	Current unbalance control 2
<b>Address</b>	[2577]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

## MODBUS TABLE

<b>Variable</b>	Rotophase activation direction (0 = Indirect, 1 = Direct)
<b>Address</b>	[2584]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Indirect 1: Direct
<b>Description</b>	This setpoint define wich direction of rotophase will activate rotophase protection If the setpoint is on direct then the action of variables 2584 will activate if voltage phases are plugged on a direct direction. If the setpoint is on indirect then the action of variables 2584 will activate if voltage phases are plugged on an indirect direction.

<b>Variable</b>	Rotophase protection control
<b>Address</b>	[2585]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

## OTHER PROTECTIONS

<b>Variable</b>	Min. voltage battery threshold
<b>Address</b>	[2356]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	350
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

## MODBUS TABLE

<b>Variable</b>	Min. voltage battery timer
<b>Address</b>	[2357]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

<b>Variable</b>	Min. voltage battery control
<b>Address</b>	[2358]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 3: Alarm
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Max. voltage battery threshold
<b>Address</b>	[2359]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	350
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Max. voltage battery timer
<b>Address</b>	[2360]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.



## MODBUS TABLE

<b>Variable</b>	Max. voltage battery control
<b>Address</b>	[2361]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 3: Alarm
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Min. voltage battery threshold 2
<b>Address</b>	[2374]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	350
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Min. voltage battery timer 2
<b>Address</b>	[2375]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

<b>Variable</b>	Min. voltage battery control 2
<b>Address</b>	[2376]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 3: Alarm
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

## MODBUS TABLE

<b>Variable</b>	Max. voltage battery threshold 2
<b>Address</b>	[2377]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	350
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Max. voltage battery timer 2
<b>Address</b>	[2378]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer defining how long the value should exceed the treshold before triggering the control associated to this protection.

<b>Variable</b>	Max. voltage battery control 2
<b>Address</b>	[2379]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 3: Alarm
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Analog input 1 threshold
<b>Address</b>	[2600]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

## MODBUS TABLE

<b>Variable</b>	Analog input 1 timer
<b>Address</b>	[2601]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Analog input 1 control
<b>Address</b>	[2602]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 2: Mains failure 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Analog input 1 threshold 2
<b>Address</b>	[2603]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

## MODBUS TABLE

<b>Variable</b>	Analog input 1 timer 2
<b>Address</b>	[2604]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Analog input 1 control 2
<b>Address</b>	[2605]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 2: Mains failure 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Direction analog input 1 protection
<b>Address</b>	[2606]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Minimum 1: Maximum
<b>Description</b>	This setpoint define if the both threshold level for analog input 1 are minimum or maximum limit. If the setpoint is on "Minimum" then the action of variables 2602 and 2605 will activate from thresholds level set and below. If the setpoint is on "Maximum" then the action of variables 2602 and 2605 will activate from thresholds level set and above.

## MODBUS TABLE

<b>Variable</b>	Analog input 2 threshold
<b>Address</b>	[2608]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Analog input 2 timer
<b>Address</b>	[2609]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Analog input 2 control
<b>Address</b>	[2610]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	<ul style="list-style-type: none"> <li>0: Unused</li> <li>1: Bus electrical fault</li> <li>2: Mains failure</li> <li>3: Alarm</li> <li>4: Fault (soft shutdown)</li> <li>9: Mains electrical fault</li> </ul>
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

## MODBUS TABLE

<b>Variable</b>	Analog input 2 threshold 2
<b>Address</b>	[2611]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Analog input 2 timer 2
<b>Address</b>	[2612]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Analog input 2 control 2
<b>Address</b>	[2613]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 2: Mains failure 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

## MODBUS TABLE

<b>Variable</b>	Direction analog input 2 protection
<b>Address</b>	[2614]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Minimum 1: Maximum
<b>Description</b>	This setpoint define if the both threshold level for analog input 2 are minimum or maximum limit. If the setpoint is on "Minimum" then the action of vaiables 2610 and 2613 will activate from thresholds level set and below. If the setpoint is on "Maximum" then the action of vaiables 2610 and 2613 will activate from thresholds level set and above.

<b>Variable</b>	Analog input 3 threshold
<b>Address</b>	[2616]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Analog input 3 timer
<b>Address</b>	[2617]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

## MODBUS TABLE

<b>Variable</b>	Analog input 3 control
<b>Address</b>	[2618]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 2: Mains failure 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Analog input 3 threshold 2
<b>Address</b>	[2619]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.

<b>Variable</b>	Analog input 3 timer 2
<b>Address</b>	[2620]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Threshold to be exceeded to trigger the associated control for this protection.



## MODBUS TABLE

<b>Variable</b>	Analog input 3 control 2
<b>Address</b>	[2621]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 1: Bus electrical fault 2: Mains failure 3: Alarm 4: Fault (soft shutdown) 9: Mains electrical fault
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Direction analog input 3 protection
<b>Address</b>	[2622]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Minimum 1: Maximum
<b>Description</b>	This setpoint define if the both threshold level for analog input 3 are minimum or maximum limit. If the setpoint is on "Minimum" then the action of variables 2618 and 2621 will activate from thresholds level set and below. If the setpoint is on "Maximum" then the action of variables 2618 and 2621 will activate from thresholds level set and above.

## COMMUNICATION

<b>Variable</b>	Inhibition remote start from CAN
<b>Address</b>	[2018]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	Allows a unit to ignore a remote start request coming from another product connected via CAN

## MODBUS TABLE

<b>Variable</b>	Control on Modbus server timeouts
<b>Address</b>	[3030]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Control on TCP connection loss or frame timeout with Modbus server

<b>Variable</b>	Enable connection to Modbus server
<b>Address</b>	[3031]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	Enable connection to a Modbus server for custom read/write requests

<b>Variable</b>	Modbus server frame timeout
<b>Address</b>	[3032]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	Timeout in ms for no response to a frame emitted from the Modbus server

## MODBUS TABLE

<b>Variable</b>	CAN 1 baud rate
<b>Address</b>	[3050]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	125: 125 kBit/s 250: 250 kBit/s 500: 500 kBit/s 1000: 1000 kBit/s
<b>Description</b>	<p>CAN bus speed 1:</p> <ul style="list-style-type: none"> <li>- Used for communication between products with the proprietary CRE protocol (Only for communicating products).</li> <li>- Used for the connection of inputs/outputs with the CANopen protocol when the MTU MDEC protocol is activated on CAN 2 (Only for products with engine control). Higher speed results in a reduction of the maximum bus distance.</li> </ul>

<b>Variable</b>	CAN 2 baud rate
<b>Address</b>	[3051]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	125: 125 kBit/s 250: 250 kBit/s 500: 500 kBit/s 1000: 1000 kBit/s
<b>Description</b>	<p>CAN bus speed 2:</p> <ul style="list-style-type: none"> <li>- Used for connecting inputs/outputs with the CANopen protocol (Except when using the MDEC protocol, in which case the CANopen inputs/outputs must be connected to CAN 1). If the J1939 protocol is disabled, this parameter determines the communication speed of the CAN 2 bus.</li> <li>- Used for the communication between the product and the ECU with the J1939 protocol (Only for products with engine control). When the J1939 protocol is enabled, the CAN 2 bus speed is forced to 250kb/s. This parameter will not impact the bus speed.</li> <li>- Used for the communication between the product and the ECU with the MDEC protocol (Only for products with engine control). When the MDEC protocol is enabled, the CAN 2 bus speed is forced to 125kb/s. This parameter will not impact the bus speed.</li> </ul> <p>A higher speed results in a reduction of the maximum bus distance.</p>

## MODBUS TABLE

<b>Variable</b>	Control on controllers communication fault
<b>Address</b>	[3052]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 3: Alarm 4: Fault (soft shutdown) 8: Droop Hz/V + Alarm
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Control on missing GENSYS COMPACT PRIME on CAN bus
<b>Address</b>	[3054]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Control on missing MASTER COMPACT/BTB COMPACT on CAN bus
<b>Address</b>	[3057]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

## MODBUS TABLE

<b>Variable</b>	Control on CANopen error
<b>Address</b>	[3059]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Control on missing HYBRID COMPACT on CAN bus
<b>Address</b>	[3060]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

<b>Variable</b>	Control on missing BAT COMPACT on CAN bus
<b>Address</b>	[3061]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Unused 3: Alarm 4: Fault (soft shutdown)
<b>Description</b>	Action performed on protection's trigger. Actions' description is available in the technical documentation.

## MODBUS TABLE

<b>Variable</b>	CANopen error timer
<b>Address</b>	[3152]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	65535
<b>Description</b>	CANopen error timer

## SAVED USER VARIABLES

<b>Variable</b>	Saved var. 1 (Customisable)
<b>Address</b>	[8000]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 2 (Customisable)
<b>Address</b>	[8001]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Saved var. 3 (Customisable)
<b>Address</b>	[8002]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 4 (Customisable)
<b>Address</b>	[8003]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 5 (Customisable)
<b>Address</b>	[8004]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Saved var. 6 (Customisable)
<b>Address</b>	[8005]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 7 (Customisable)
<b>Address</b>	[8006]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 8 (Customisable)
<b>Address</b>	[8007]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...



## MODBUS TABLE

<b>Variable</b>	Saved var. 9 (Customisable)
<b>Address</b>	[8008]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 10 (Customisable)
<b>Address</b>	[8009]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 11 (Customisable)
<b>Address</b>	[8010]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Saved var. 12 (Customisable)
<b>Address</b>	[8011]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 13 (Customisable)
<b>Address</b>	[8012]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 14 (Customisable)
<b>Address</b>	[8013]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Saved var. 15 (Customisable)
<b>Address</b>	[8014]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 16 (Customisable)
<b>Address</b>	[8015]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 17 (Customisable)
<b>Address</b>	[8016]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Saved var. 18 (Customisable)
<b>Address</b>	[8017]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 19 (Customisable)
<b>Address</b>	[8018]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 20 (Customisable)
<b>Address</b>	[8019]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Saved var. 21 (Customisable)
<b>Address</b>	[8020]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 22 (Customisable)
<b>Address</b>	[8021]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 23 (Customisable)
<b>Address</b>	[8022]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Saved var. 24 (Customisable)
<b>Address</b>	[8023]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 25 (Customisable)
<b>Address</b>	[8024]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 26 (Customisable)
<b>Address</b>	[8025]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Saved var. 27 (Customisable)
<b>Address</b>	[8026]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 28 (Customisable)
<b>Address</b>	[8027]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 29 (Customisable)
<b>Address</b>	[8028]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Saved var. 30 (Customisable)
<b>Address</b>	[8029]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 31 (Customisable)
<b>Address</b>	[8030]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 32 (Customisable)
<b>Address</b>	[8031]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...



## MODBUS TABLE

<b>Variable</b>	Saved var. 33 (Customisable)
<b>Address</b>	[8032]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 34 (Customisable)
<b>Address</b>	[8033]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 35 (Customisable)
<b>Address</b>	[8034]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Saved var. 36 (Customisable)
<b>Address</b>	[8035]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 37 (Customisable)
<b>Address</b>	[8036]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 38 (Customisable)
<b>Address</b>	[8037]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Saved var. 39 (Customisable)
<b>Address</b>	[8038]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 40 (Customisable)
<b>Address</b>	[8039]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 41 (Customisable)
<b>Address</b>	[8040]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Saved var. 42 (Customisable)
<b>Address</b>	[8041]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 43 (Customisable)
<b>Address</b>	[8042]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 44 (Customisable)
<b>Address</b>	[8043]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Saved var. 45 (Customisable)
<b>Address</b>	[8044]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 46 (Customisable)
<b>Address</b>	[8045]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 47 (Customisable)
<b>Address</b>	[8046]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Saved var. 48 (Customisable)
<b>Address</b>	[8047]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 49 (Customisable)
<b>Address</b>	[8048]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Saved var. 50 (Customisable)
<b>Address</b>	[8049]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## UNSAVED USER VARIABLES

<b>Variable</b>	Unsaved var.1 (Customisable)
<b>Address</b>	[8050]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.2 (Customisable)
<b>Address</b>	[8051]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.3 (Customisable)
<b>Address</b>	[8052]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Unsaved var.4 (Customisable)
<b>Address</b>	[8053]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.5 (Customisable)
<b>Address</b>	[8054]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.6 (Customisable)
<b>Address</b>	[8055]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...



## MODBUS TABLE

<b>Variable</b>	Unsaved var.7 (Customisable)
<b>Address</b>	[8056]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.8 (Customisable)
<b>Address</b>	[8057]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.9 (Customisable)
<b>Address</b>	[8058]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Unsaved var.10 (Customisable)
<b>Address</b>	[8059]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.11 (Customisable)
<b>Address</b>	[8060]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.12 (Customisable)
<b>Address</b>	[8061]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Unsaved var.13 (Customisable)
<b>Address</b>	[8062]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.14 (Customisable)
<b>Address</b>	[8063]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.15 (Customisable)
<b>Address</b>	[8064]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Unsaved var.16 (Customisable)
<b>Address</b>	[8065]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.17 (Customisable)
<b>Address</b>	[8066]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.18 (Customisable)
<b>Address</b>	[8067]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Unsaved var.19 (Customisable)
<b>Address</b>	[8068]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.20 (Customisable)
<b>Address</b>	[8069]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.21 (Customisable)
<b>Address</b>	[8070]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Unsaved var.22 (Customisable)
<b>Address</b>	[8071]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.23 (Customisable)
<b>Address</b>	[8072]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.24 (Customisable)
<b>Address</b>	[8073]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Unsaved var.25 (Customisable)
<b>Address</b>	[8074]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.26 (Customisable)
<b>Address</b>	[8075]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.27 (Customisable)
<b>Address</b>	[8076]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Unsaved var.28 (Customisable)
<b>Address</b>	[8077]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.29 (Customisable)
<b>Address</b>	[8078]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.30 (Customisable)
<b>Address</b>	[8079]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...



## MODBUS TABLE

<b>Variable</b>	Unsaved var.31 (Customisable)
<b>Address</b>	[8080]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.32 (Customisable)
<b>Address</b>	[8081]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.33 (Customisable)
<b>Address</b>	[8082]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Unsaved var.34 (Customisable)
<b>Address</b>	[8083]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.35 (Customisable)
<b>Address</b>	[8084]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.36 (Customisable)
<b>Address</b>	[8085]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Unsaved var.37 (Customisable)
<b>Address</b>	[8086]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.38 (Customisable)
<b>Address</b>	[8087]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.39 (Customisable)
<b>Address</b>	[8088]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Unsaved var.40 (Customisable)
<b>Address</b>	[8089]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.41 (Customisable)
<b>Address</b>	[8090]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.42 (Customisable)
<b>Address</b>	[8091]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Unsaved var.43 (Customisable)
<b>Address</b>	[8092]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.44 (Customisable)
<b>Address</b>	[8093]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.45 (Customisable)
<b>Address</b>	[8094]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Unsaved var.46 (Customisable)
<b>Address</b>	[8095]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.47 (Customisable)
<b>Address</b>	[8096]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.48 (Customisable)
<b>Address</b>	[8097]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## MODBUS TABLE

<b>Variable</b>	Unsaved var.49 (Customisable)
<b>Address</b>	[8098]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

<b>Variable</b>	Unsaved var.50 (Customisable)
<b>Address</b>	[8099]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Can be used to store data (via Modbus or J1939), to store temporary calculations (via Easyflex), to trigger alarms or faults, etc...

## SYSTEM

<b>Variable</b>	Power on mode
<b>Address</b>	[2012]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Manual 1: Test 2: Auto
<b>Description</b>	This parameter is used to select the mode of the product when the power supply is applied. 3 values can be used : - Manual : The product will switch-on on Manual mode - Test : The product will switch-on on Test mode - Auto : The product will switch-on on Auto mode

## MODBUS TABLE

<b>Variable</b>	Test mode operation
<b>Address</b>	[2014]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: On load 1: Off load 2: On load with timer
<b>Description</b>	This parameter is used to select the actions for test mode on the product. 3 values can be used : - On load : The generator(s) start(s) and the breaker(s) close(s) to take the load. - Off load : The generator(s) start(s) but the breaker does not close. - On load with timer :The generator start, run without load during a configurable timer, and the breaker closes.

<b>Variable</b>	Limited time test mode
<b>Address</b>	[2015]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	This parameter is used to activate an operation delay in test mode. During this timer, the test mode is activated. At the end of this timer, the product will be forced on auto mode and the generator will stop if there is no active remote start.

<b>Variable</b>	Synchronization & Load sharing only
<b>Address</b>	[2024]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	This parameter determines if the product should process only synchronization and kW/kVAR management. 2 values can be selected: - No: Standard operation of the product with management of the faults when the feedback of the circuit breakers is not in conformity with the orders of the product, management of the engine. - Yes: Circuit-breaker faults are not managed, which leaves more flexibility in sequences when circuit-breaker close/open commands are given by a PLC. The engine sequence is not managed. The product will start the synchronization sequence if voltage and frequency are between 95% and 105% of nominal and a digital input configured as 'Remote start on load' is activated. The kW management function is activated as soon as a digital input configured as 'Generator breaker feedback' is activated. In this operating mode, the product can only be used in automatic mode.



## MODBUS TABLE

<b>Variable</b>	Custom setpoint analog output 1
<b>Address</b>	[2214]
<b>Scale Factor</b>	2
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-1000
<b>Max value</b>	1000
<b>Description</b>	The value sets in this variable corresponds to the voltage applied to the analog 1 output if the analog output is used as a spare output.

<b>Variable</b>	Custom setpoint analog output 2
<b>Address</b>	[2256]
<b>Scale Factor</b>	2
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-1000
<b>Max value</b>	1000
<b>Description</b>	The value sets in this variable corresponds to the voltage applied to the analog 2 output if the analog output is used as a spare output.

<b>Variable</b>	Screensaver timeout
<b>Address</b>	[3551]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	120
<b>Description</b>	Timeout Screen saver (0=infini)

<b>Variable</b>	Backlight timeout
<b>Address</b>	[3552]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	120
<b>Description</b>	Timeout Backlight (0=infini)

## MODBUS TABLE

<b>Variable</b>	LCD screen contrast
<b>Address</b>	[3554]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	100
<b>Description</b>	LCD contrast intensity

<b>Variable</b>	LCD screen backlight
<b>Address</b>	[3555]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	100
<b>Description</b>	LCD backlight intensity

<b>Variable</b>	Variable 1 to log
<b>Address</b>	[3600]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10299
<b>Description</b>	Logger of the variable to archive

<b>Variable</b>	Variable 2 to log
<b>Address</b>	[3601]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10299
<b>Description</b>	Logger of the variable to archive

## MODBUS TABLE

<b>Variable</b>	Variable 3 to log
<b>Address</b>	[3602]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10299
<b>Description</b>	Logger of the variable to archive

<b>Variable</b>	Variable 4 to log
<b>Address</b>	[3603]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10299
<b>Description</b>	Logger of the variable to archive

<b>Variable</b>	Variable 5 to log
<b>Address</b>	[3604]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10299
<b>Description</b>	Logger of the variable to archive

<b>Variable</b>	Variable 6 to log
<b>Address</b>	[3605]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10299
<b>Description</b>	Logger of the variable to archive

## MODBUS TABLE

<b>Variable</b>	Variable 7 to log
<b>Address</b>	[3606]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10299
<b>Description</b>	Logger of the variable to archive

<b>Variable</b>	Variable 8 to log
<b>Address</b>	[3607]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10299
<b>Description</b>	Logger of the variable to archive

<b>Variable</b>	Variable 9 to log
<b>Address</b>	[3608]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10299
<b>Description</b>	Logger of the variable to archive

<b>Variable</b>	Variable 10 to log
<b>Address</b>	[3609]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	10299
<b>Description</b>	Logger of the variable to archive

## MODBUS TABLE

<b>Variable</b>	Activation
<b>Address</b>	[3610]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Off 1: Always ON 2: Post starting 3: Stabilized
<b>Description</b>	Archiving mode OFF = NEVER / ALWAYS / POST STARTING / STABILIZED, event archiving can be activated depending on engine status. Warning: erase will delete all faults, alarms and archived data.

<b>Variable</b>	Erase logger
<b>Address</b>	[3611]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	Erase log (Automatically set to 0 after erase).

<b>Variable</b>	Logging period variable 1
<b>Address</b>	[3612]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	9999
<b>Description</b>	Time in second of interval between each archiving

## MODBUS TABLE

<b>Variable</b>	Logging period variable 2
<b>Address</b>	[3613]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	9999
<b>Description</b>	Time in second of interval between each archiving

<b>Variable</b>	Logging period variable 3
<b>Address</b>	[3614]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	9999
<b>Description</b>	Time in second of interval between each archiving

<b>Variable</b>	Logging period variable 4
<b>Address</b>	[3615]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	9999
<b>Description</b>	Time in second of interval between each archiving

<b>Variable</b>	Logging period variable 5
<b>Address</b>	[3616]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	9999
<b>Description</b>	Time in second of interval between each archiving

## MODBUS TABLE

<b>Variable</b>	Logging period variable 6
<b>Address</b>	[3617]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	9999
<b>Description</b>	Time in second of interval between each archiving

<b>Variable</b>	Logging period variable 7
<b>Address</b>	[3618]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	9999
<b>Description</b>	Time in second of interval between each archiving

<b>Variable</b>	Logging period variable 8
<b>Address</b>	[3619]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	9999
<b>Description</b>	Time in second of interval between each archiving

<b>Variable</b>	Logging period variable 9
<b>Address</b>	[3620]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	9999
<b>Description</b>	Time in second of interval between each archiving

## MODBUS TABLE

<b>Variable</b>	Logging period variable 10
<b>Address</b>	[3621]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	1
<b>Max value</b>	9999
<b>Description</b>	Time in second of interval between each archiving

<b>Variable</b>	Log variable 1 on
<b>Address</b>	[3622]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Value change 1: Interval
<b>Description</b>	A variable can be logged in two different ways: - Interval: The variable will be logged at specific intervals, defined by the user ([3612]) - Value change: The variable will be logged each time the value of the variable has been changed

<b>Variable</b>	Log variable 2 on
<b>Address</b>	[3623]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Value change 1: Interval
<b>Description</b>	A variable can be logged in two different ways: - Interval: The variable will be logged at a periodic interval, defined by the user ([3613]) - Value change: The variable will be logged each time the value of the variable has been changed



## MODBUS TABLE

<b>Variable</b>	Log variable 3 on
<b>Address</b>	[3624]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Value change 1: Interval
<b>Description</b>	A variable can be logged in two different ways: - Interval: The variable will be logged at a periodic interval, defined by the user ([3614]) - Value change: The variable will be logged each time the value of the variable has been changed

<b>Variable</b>	Log variable 4 on
<b>Address</b>	[3625]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Value change 1: Interval
<b>Description</b>	A variable can be logged in two different ways: - Interval: The variable will be logged at a periodic interval, defined by the user ([3615]) - Value change: The variable will be logged each time the value of the variable has been changed

<b>Variable</b>	Log variable 5 on
<b>Address</b>	[3626]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Value change 1: Interval
<b>Description</b>	A variable can be logged in two different ways: - Interval: The variable will be logged at a periodic interval, defined by the user ([3616]) - Value change: The variable will be logged each time the value of the variable has been changed

## MODBUS TABLE

<b>Variable</b>	Log variable 6 on
<b>Address</b>	[3627]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Value change 1: Interval
<b>Description</b>	A variable can be logged in two different ways: - Interval: The variable will be logged at a periodic interval, defined by the user ([3617]) - Value change: The variable will be logged each time the value of the variable has been changed

<b>Variable</b>	Log variable 7 on
<b>Address</b>	[3628]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Value change 1: Interval
<b>Description</b>	A variable can be logged in two different ways: - Interval: The variable will be logged at a periodic interval, defined by the user ([3618]) - Value change: The variable will be logged each time the value of the variable has been changed

<b>Variable</b>	Log variable 8 on
<b>Address</b>	[3629]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Value change 1: Interval
<b>Description</b>	A variable can be logged in two different ways: - Interval: The variable will be logged at a periodic interval, defined by the user ([3619]) - Value change: The variable will be logged each time the value of the variable has been changed

## MODBUS TABLE

<b>Variable</b>	Log variable 9 on
<b>Address</b>	[3630]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Value change 1: Interval
<b>Description</b>	A variable can be logged in two different ways: - Interval: The variable will be logged at a periodic interval, defined by the user ([3620]) - Value change: The variable will be logged each time the value of the variable has been changed

<b>Variable</b>	Log variable 10 on
<b>Address</b>	[3631]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Value change 1: Interval
<b>Description</b>	A variable can be logged in two different ways: - Interval: The variable will be logged at a periodic interval, defined by the user ([3621]) - Value change: The variable will be logged each time the value of the variable has been changed

<b>Variable</b>	Record power up
<b>Address</b>	[8300]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	Records controller power up event

## MODBUS TABLE

<b>Variable</b>	Record mains status
<b>Address</b>	[8302]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	Records mains failure and mains back events

<b>Variable</b>	Record circuit breaker status (Open/Closed)
<b>Address</b>	[8303]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	Records breaker closing and opening events

<b>Variable</b>	Record operating mode
<b>Address</b>	[8304]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	Records controller mode switching events (automatic, test, manual)

## HYSTERESIS

<b>Variable</b>	Enable Hysteresis 1
<b>Address</b>	[2657]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	Enable hysteresis on analog input 1 with thresholds E2660 (Low Level) & E2663 (High Level)

## MODBUS TABLE

<b>Variable</b>	Enable Hysteresis 2
<b>Address</b>	[2658]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	Enable hysteresis on analog input 2 with thresholds E2661 (Low Level) & E2664 (High Level)

<b>Variable</b>	Enable Hysteresis 3
<b>Address</b>	[2659]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	Enable hysteresis on analog input 3 with thresholds E2662 (Low Level) & E2665 (High Level)

<b>Variable</b>	Low level threshold
<b>Address</b>	[2660]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Low level threshold for digital output activation on hysteresis 1

<b>Variable</b>	Low level threshold
<b>Address</b>	[2661]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Low level threshold for digital output activation on hysteresis 2

## MODBUS TABLE

<b>Variable</b>	Low level threshold
<b>Address</b>	[2662]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	Low level threshold for digital output activation on hysteresis 3

<b>Variable</b>	High level threshold
<b>Address</b>	[2663]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	High level threshold for digital output activation on hysteresis 1

<b>Variable</b>	High level threshold
<b>Address</b>	[2664]
<b>Scale Factor</b>	1
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	High level threshold for digital output activation on hysteresis 2

<b>Variable</b>	High level threshold
<b>Address</b>	[2665]
<b>Scale Factor</b>	0
<b>Type</b>	Signed integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	-32768
<b>Max value</b>	32767
<b>Description</b>	High level threshold for digital output activation on hysteresis 3

## MODBUS TABLE

<b>Variable</b>	Timer on low level threshold
<b>Address</b>	[2666]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer before set/reset digital output on hysteresis low threshold 1

<b>Variable</b>	Timer on low level threshold
<b>Address</b>	[2667]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer before set/reset digital output on hysteresis low threshold 2

<b>Variable</b>	Timer on low level threshold
<b>Address</b>	[2668]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer before set/reset digital output on hysteresis low threshold 3

<b>Variable</b>	Timer on high level threshold
<b>Address</b>	[2669]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer before set/reset digital output on hysteresis high threshold 1

## MODBUS TABLE

<b>Variable</b>	Timer on high level threshold
<b>Address</b>	[2670]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer before set/reset digital output on hysteresis high threshold 2

<b>Variable</b>	Timer on high level threshold
<b>Address</b>	[2671]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	Timer before set/reset digital output on hysteresis high threshold 3

<b>Variable</b>	Hysteresis Direction 1
<b>Address</b>	[2672]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Set on low threshold, reset on high threshold 1: Set on high threshold, reset on low threshold
<b>Description</b>	Hysteresis 1 Direction (0 : Set on low thresh. - Reset on high thresh. / 1 : Set on high thresh. - Reset on low thresh)

<b>Variable</b>	Hysteresis Direction 2
<b>Address</b>	[2673]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Set on low threshold, reset on high threshold 1: Set on high threshold, reset on low threshold
<b>Description</b>	Hysteresis 2 Direction (0 : Set on low thresh. - Reset on high thresh. / 1 : Set on high thresh. - Reset on low thresh)



## MODBUS TABLE

<b>Variable</b>	Hysteresis Direction 3
<b>Address</b>	[2674]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Set on low threshold, reset on high threshold 1: Set on high threshold, reset on low threshold
<b>Description</b>	Hysteresis 3 Direction (0 : Set on low thresh. - Reset on high thresh. / 1 : Set on high thresh. - Reset on low thresh)

<b>Variable</b>	Hysteresis 1 enable for digital input
<b>Address</b>	[2769]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	<p>This parameter enables the first hysteresis function on logic threshold to be activated.</p> <p>To do this:</p> <ul style="list-style-type: none"> <li>- Configure a digital input as 'Hysteresis low threshold DI1' and wire the hysteresis low threshold logic signal to this input.</li> <li>- Configure a digital input as 'Hysteresis high threshold DI1' and wire the hysteresis high threshold logic signal to this input.</li> <li>- Configure a digital output as 'Hysteresis output activation on DI1' and wire this output to the hysteresis control</li> <li>- Select the direction of activation/deactivation of the control</li> </ul>

<b>Variable</b>	Hysteresis 2 enable for digital input
<b>Address</b>	[2770]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	<p>This parameter enables the second hysteresis function on logic threshold to be activated.</p> <p>To do this:</p> <ul style="list-style-type: none"> <li>- Configure a digital input as 'Hysteresis low threshold DI2' and wire the hysteresis low threshold logic signal to this input.</li> <li>- Configure a digital input as 'Hysteresis high threshold DI2' and wire the hysteresis high threshold logic signal to this input.</li> <li>- Configure a digital output as 'Hysteresis output activation on DI2' and wire this output to the hysteresis control</li> <li>- Select the direction of activation/deactivation of the control</li> </ul>

## MODBUS TABLE

<b>Variable</b>	Hysteresis 3 enable for digital input
<b>Address</b>	[2771]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	<p>This parameter enables the third hysteresis function on logic threshold to be activated.</p> <p>To do this:</p> <ul style="list-style-type: none"> <li>- Configure a digital input as 'Hysteresis low threshold DI3' and wire the hysteresis low threshold logic signal to this input.</li> <li>- Configure a digital input as 'Hysteresis high threshold DI3' and wire the hysteresis high threshold logic signal to this input.</li> <li>- Configure a digital output as 'Hysteresis output activation on DI3' and wire this output to the hysteresis control</li> <li>- Select the direction of activation/deactivation of the control</li> </ul>

<b>Variable</b>	Hysteresis 4 enable for digital input
<b>Address</b>	[2772]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	<p>This parameter enables the fourth hysteresis function on logic threshold to be activated.</p> <p>To do this:</p> <ul style="list-style-type: none"> <li>- Configure a digital input as 'Hysteresis low threshold DI4' and wire the hysteresis low threshold logic signal to this input.</li> <li>- Configure a digital input as 'Hysteresis high threshold DI4' and wire the hysteresis high threshold logic signal to this input.</li> <li>- Configure a digital output as 'Hysteresis output activation on DI4' and wire this output to the hysteresis control</li> <li>- Select the direction of activation/deactivation of the control</li> </ul>

## MODBUS TABLE

<b>Variable</b>	Hysteresis 5 enable for digital input
<b>Address</b>	[2773]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	<p>This parameter enables the fifth hysteresis function on logic threshold to be activated.</p> <p>To do this:</p> <ul style="list-style-type: none"> <li>- Configure a digital input as 'Hysteresis low threshold DI5' and wire the hysteresis low threshold logic signal to this input.</li> <li>- Configure a digital input as 'Hysteresis high threshold DI5' and wire the hysteresis high threshold logic signal to this input.</li> <li>- Configure a digital output as 'Hysteresis output activation on DI5' and wire this output to the hysteresis control</li> <li>- Select the direction of activation/deactivation of the control</li> </ul>

<b>Variable</b>	Hysteresis 6 enable for digital input
<b>Address</b>	[2774]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	<p>This parameter enables the sixth hysteresis function on logic threshold to be activated.</p> <p>To do this:</p> <ul style="list-style-type: none"> <li>- Configure a digital input as 'Hysteresis low threshold DI6' and wire the hysteresis low threshold logic signal to this input.</li> <li>- Configure a digital input as 'Hysteresis high threshold DI6' and wire the hysteresis high threshold logic signal to this input.</li> <li>- Configure a digital output as 'Hysteresis output activation on DI6' and wire this output to the hysteresis control</li> <li>- Select the direction of activation/deactivation of the control</li> </ul>

## MODBUS TABLE

<b>Variable</b>	Hysteresis 7 enable for digital input
<b>Address</b>	[2775]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	<p>This parameter enables the seventh hysteresis function on logic threshold to be activated.</p> <p>To do this:</p> <ul style="list-style-type: none"> <li>- Configure a digital input as 'Hysteresis low threshold DI7' and wire the hysteresis low threshold logic signal to this input.</li> <li>- Configure a digital input as 'Hysteresis high threshold DI7' and wire the hysteresis high threshold logic signal to this input.</li> <li>- Configure a digital output as 'Hysteresis output activation on DI7' and wire this output to the hysteresis control</li> <li>- Select the direction of activation/deactivation of the control</li> </ul>

<b>Variable</b>	Hysteresis 8 enable for digital input
<b>Address</b>	[2776]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: No 1: Yes
<b>Description</b>	<p>This parameter enables the eighth hysteresis function on logic threshold to be activated.</p> <p>To do this:</p> <ul style="list-style-type: none"> <li>- Configure a digital input as 'Hysteresis low threshold DI8' and wire the hysteresis low threshold logic signal to this input.</li> <li>- Configure a digital input as 'Hysteresis high threshold DI8' and wire the hysteresis high threshold logic signal to this input.</li> <li>- Configure a digital output as 'Hysteresis output activation on DI8' and wire this output to the hysteresis control</li> <li>- Select the direction of activation/deactivation of the control</li> </ul>

## MODBUS TABLE

<b>Variable</b>	Timer ON hysteresis 1
<b>Address</b>	[2777]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	This parameter allows to set the time between the moment when the activation threshold is reached and the moment when the command is activated.

<b>Variable</b>	Timer ON hysteresis 2
<b>Address</b>	[2778]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	This parameter allows to set the time between the moment when the activation threshold is reached and the moment when the command is activated.

<b>Variable</b>	Timer ON hysteresis 3
<b>Address</b>	[2779]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	This parameter allows to set the time between the moment when the activation threshold is reached and the moment when the command is activated.

## MODBUS TABLE

<b>Variable</b>	Timer ON hysteresis 4
<b>Address</b>	[2780]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	This parameter allows to set the time between the moment when the activation threshold is reached and the moment when the command is activated.

<b>Variable</b>	Timer ON hysteresis 5
<b>Address</b>	[2781]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	This parameter allows to set the time between the moment when the activation threshold is reached and the moment when the command is activated.

<b>Variable</b>	Timer ON hysteresis 6
<b>Address</b>	[2782]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	This parameter allows to set the time between the moment when the activation threshold is reached and the moment when the command is activated.

## MODBUS TABLE

<b>Variable</b>	Timer ON hysteresis 7
<b>Address</b>	[2783]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	This parameter allows to set the time between the moment when the activation threshold is reached and the moment when the command is activated.

<b>Variable</b>	Timer ON hysteresis 8
<b>Address</b>	[2784]
<b>Scale Factor</b>	1
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	9999
<b>Description</b>	This parameter allows to set the time between the moment when the activation threshold is reached and the moment when the command is activated.

<b>Variable</b>	Direction hysteresis 1
<b>Address</b>	[2785]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Set on low threshold, reset on high threshold 1: Set on high threshold, reset on low threshold
<b>Description</b>	This parameter allows to set the direction in which the hysteresis should work. 2 choices are possible: - Activate the command when the low threshold is active and deactivate it when the high threshold is active - Activate the command when the high threshold is active and deactivate it when the low threshold is active

## MODBUS TABLE

<b>Variable</b>	Direction hysteresis 2
<b>Address</b>	[2786]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Set on low threshold, reset on high threshold 1: Set on high threshold, reset on low threshold
<b>Description</b>	This parameter allows to set the direction in which the hysteresis should work. 2 choices are possible: - Activate the command when the low threshold is active and deactivate it when the high threshold is active - Activate the command when the high threshold is active and deactivate it when the low threshold is active

<b>Variable</b>	Direction hysteresis 3
<b>Address</b>	[2787]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Set on low threshold, reset on high threshold 1: Set on high threshold, reset on low threshold
<b>Description</b>	This parameter allows to set the direction in which the hysteresis should work. 2 choices are possible: - Activate the command when the low threshold is active and deactivate it when the high threshold is active - Activate the command when the high threshold is active and deactivate it when the low threshold is active

<b>Variable</b>	Direction hysteresis 4
<b>Address</b>	[2788]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Set on low threshold, reset on high threshold 1: Set on high threshold, reset on low threshold
<b>Description</b>	This parameter allows to set the direction in which the hysteresis should work. 2 choices are possible: - Activate the command when the low threshold is active and deactivate it when the high threshold is active - Activate the command when the high threshold is active and deactivate it when the low threshold is active



## MODBUS TABLE

<b>Variable</b>	Direction hysteresis 5
<b>Address</b>	[2789]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Set on low threshold, reset on high threshold 1: Set on high threshold, reset on low threshold
<b>Description</b>	This parameter allows to set the direction in which the hysteresis should work. 2 choices are possible: - Activate the command when the low threshold is active and deactivate it when the high threshold is active - Activate the command when the high threshold is active and deactivate it when the low threshold is active

<b>Variable</b>	Direction hysteresis 6
<b>Address</b>	[2790]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Set on low threshold, reset on high threshold 1: Set on high threshold, reset on low threshold
<b>Description</b>	This parameter allows to set the direction in which the hysteresis should work. 2 choices are possible: - Activate the command when the low threshold is active and deactivate it when the high threshold is active - Activate the command when the high threshold is active and deactivate it when the low threshold is active

<b>Variable</b>	Direction hysteresis 7
<b>Address</b>	[2791]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Set on low threshold, reset on high threshold 1: Set on high threshold, reset on low threshold
<b>Description</b>	This parameter allows to set the direction in which the hysteresis should work. 2 choices are possible: - Activate the command when the low threshold is active and deactivate it when the high threshold is active - Activate the command when the high threshold is active and deactivate it when the low threshold is active

## MODBUS TABLE

<b>Variable</b>	Direction hysteresis 8
<b>Address</b>	[2792]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>List</b>	0: Set on low threshold, reset on high threshold 1: Set on high threshold, reset on low threshold
<b>Description</b>	This parameter allows to set the direction in which the hysteresis should work. 2 choices are possible: - Activate the command when the low threshold is active and deactivate it when the high threshold is active - Activate the command when the high threshold is active and deactivate it when the low threshold is active

## DIGITAL INPUT FUNCTIONS

### BUS

<b>Variable</b>	Bus breaker feedback
<b>Address</b>	[4501]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Breaker position feedback, when active the breaker is considered closed.

<b>Variable</b>	Remote start on load
<b>Address</b>	[4502]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activation starts the generator(s) in automatic mode, and the bus circuit breaker closes on the load.

<b>Variable</b>	Remote start off load
<b>Address</b>	[4611]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activation will start generator(s) in automatic mode and keep breaker open: used for off load tests.

## MODBUS TABLE

<b>Variable</b>	Remote start with timer
<b>Address</b>	[4612]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activation starts the generator(s) in automatic mode and waits for an adjustable delay until the generator(s) are ready before closing the circuit breaker. Used to extend the start sequence and preheat the generator(s) at nominal frequency.

<b>Variable</b>	Power plant ready
<b>Address</b>	[4636]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Used for external validation of 'generator power plant ready': Activation will declare all generators as ready to provide load if frequency and voltage are stabilized.

## INPUTS/OUTPUTS

<b>Variable</b>	Digital output 1 forced
<b>Address</b>	[4630]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activating this input will force activation of digital output 1.

## MODBUS TABLE

<b>Variable</b>	Digital output 2 forced
<b>Address</b>	[4631]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activating this input will force activation of digital ouput 2.

<b>Variable</b>	Digital output 3 forced
<b>Address</b>	[4632]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activating this input will force activation of digital ouput 3.

<b>Variable</b>	Digital output 4 forced
<b>Address</b>	[4633]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activating this input will force activation of digital ouput 4.

<b>Variable</b>	Digital output 5 forced
<b>Address</b>	[4634]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activating this input will force activation of digital ouput 5.

## MODBUS TABLE

<b>Variable</b>	Digital output 6 forced
<b>Address</b>	[4635]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activating this input will force activation of digital ouput 6.

<b>Variable</b>	Relay 1 forced
<b>Address</b>	[4950]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activating this input will force activation of relay ouput 1.

<b>Variable</b>	Relay 2 forced
<b>Address</b>	[4951]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	3
<b>Description</b>	Activating this input will force activation of relay ouput 2.

## POWER PLANT

<b>Variable</b>	External non essential trip request
<b>Address</b>	[4537]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	External activation of the load shedding protection outputs. Use only if load shedding is enable.

## ALTERNATIVE SELECTIONS

<b>Variable</b>	Alternative selection 1
<b>Address</b>	[4594]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Available variable to toggle a parameter between 2 values. See Alternative selection function.

<b>Variable</b>	Alternative selection 2
<b>Address</b>	[4595]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Available variable to toggle a parameter between 2 values. See Alternative selection function.

## MODBUS TABLE

<b>Variable</b>	Alternative selection 3
<b>Address</b>	[4596]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Available variable to toggle a parameter between 2 values. See Alternative selection function.

<b>Variable</b>	Alternative selection 4
<b>Address</b>	[4597]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Available variable to toggle a parameter between 2 values. See Alternative selection function.

<b>Variable</b>	Alternative selection 5
<b>Address</b>	[4598]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Available variable to toggle a parameter between 2 values. See Alternative selection function.



## MODBUS TABLE

<b>Variable</b>	Alternative selection 6
<b>Address</b>	[4599]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Available variable to toggle a parameter between 2 values. See Alternative selection function.

<b>Variable</b>	Alternative selection 7
<b>Address</b>	[4600]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Available variable to toggle a parameter between 2 values. See Alternative selection function.

<b>Variable</b>	Alternative selection 8
<b>Address</b>	[4601]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Available variable to toggle a parameter between 2 values. See Alternative selection function.

## MODBUS TABLE

<b>Variable</b>	Alternative selection 9
<b>Address</b>	[4602]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Available variable to toggle a parameter between 2 values. See Alternative selection function.

<b>Variable</b>	Alternative selection 10
<b>Address</b>	[4603]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Available variable to toggle a parameter between 2 values. See Alternative selection function.

<b>Variable</b>	Alternative selection 11
<b>Address</b>	[4604]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Available variable to toggle a parameter between 2 values. See Alternative selection function.

## MODBUS TABLE

<b>Variable</b>	Alternative selection 12
<b>Address</b>	[4605]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Available variable to toggle a parameter between 2 values. See Alternative selection function.

<b>Variable</b>	Alternative selection 13
<b>Address</b>	[4606]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Available variable to toggle a parameter between 2 values. See Alternative selection function.

<b>Variable</b>	Alternative selection 14
<b>Address</b>	[4607]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	14th available variable to switch a parameter between 2 values

<b>Variable</b>	Alternative selection 15
<b>Address</b>	[4608]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	15th available variable to switch a parameter between 2 values

## MODBUS TABLE

<b>Variable</b>	Alternative selection 16
<b>Address</b>	[4609]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	16th available variable to switch a parameter between 2 values

## HYSTERESIS

<b>Variable</b>	Hysteresis low threshold DI1
<b>Address</b>	[4614]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activate to trigger the corresponding hysteresis low threshold.

<b>Variable</b>	Hysteresis low threshold DI2
<b>Address</b>	[4615]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activate to trigger the corresponding hysteresis low threshold.

<b>Variable</b>	Hysteresis low threshold DI3
<b>Address</b>	[4616]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activate to trigger the corresponding hysteresis low threshold.

## MODBUS TABLE

<b>Variable</b>	Hysteresis low threshold DI4
<b>Address</b>	[4617]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activate to trigger the corresponding hysteresis low threshold.

<b>Variable</b>	Hysteresis low threshold DI5
<b>Address</b>	[4618]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activate to trigger the corresponding hysteresis low threshold.

<b>Variable</b>	Hysteresis low threshold DI6
<b>Address</b>	[4619]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activate to trigger the corresponding hysteresis low threshold.

<b>Variable</b>	Hysteresis low threshold DI7
<b>Address</b>	[4620]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activate to trigger the corresponding hysteresis low threshold.

## MODBUS TABLE

<b>Variable</b>	Hysteresis low threshold DI8
<b>Address</b>	[4621]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activate to trigger the corresponding hysteresis low threshold.

<b>Variable</b>	Hysteresis high threshold DI1
<b>Address</b>	[4622]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activate to trigger the corresponding hysteresis high threshold.

<b>Variable</b>	Hysteresis high threshold DI2
<b>Address</b>	[4623]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activate to trigger the corresponding hysteresis high threshold.

<b>Variable</b>	Hysteresis high threshold DI3
<b>Address</b>	[4624]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activate to trigger the corresponding hysteresis high threshold.

## MODBUS TABLE

<b>Variable</b>	Hysteresis high threshold DI4
<b>Address</b>	[4625]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activate to trigger the corresponding hysteresis high threshold.

<b>Variable</b>	Hysteresis high threshold DI5
<b>Address</b>	[4626]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activate to trigger the corresponding hysteresis high threshold.

<b>Variable</b>	Hysteresis high threshold DI6
<b>Address</b>	[4627]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activate to trigger the corresponding hysteresis high threshold.

<b>Variable</b>	Hysteresis high threshold DI7
<b>Address</b>	[4628]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activate to trigger the corresponding hysteresis high threshold.

## MODBUS TABLE

<b>Variable</b>	Hysteresis high threshold DI8
<b>Address</b>	[4629]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activate to trigger the corresponding hysteresis high threshold.

## REMOTE BUTTONS

<b>Variable</b>	Remote faults reset
<b>Address</b>	[4506]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	External reset. Acknowledgement of alarm/fault present in display pages (same action as shift+I reset).

<b>Variable</b>	Manual start request
<b>Address</b>	[4509]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Manual start command (alternative to front panel push button). Active in manual mode only.



## MODBUS TABLE

<b>Variable</b>	Manual stop request
<b>Address</b>	[4510]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Manual stop command (alternative to front panel push button). Active in manual mode only.

<b>Variable</b>	Manual mode request
<b>Address</b>	[4511]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Force controller in manual mode, same effect as MAN button.

<b>Variable</b>	Manual mode inhibition
<b>Address</b>	[4512]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Prevent controller to go in manual mode (Remotely or front panel).

<b>Variable</b>	Auto mode request
<b>Address</b>	[4513]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Force controller in auto mode, same effect as AUTO button.

## MODBUS TABLE

<b>Variable</b>	Bus breaker opening in manual mode
<b>Address</b>	[4518]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Remote manual opening of bus breaker in manual mode (alternative to front button). Active in manual mode only.

<b>Variable</b>	Mains breaker opening in manual mode
<b>Address</b>	[4519]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Remote manual opening of mains breaker in manual mode (alternative to front button). Active in manual mode only.

<b>Variable</b>	Bus breaker closing in manual mode
<b>Address</b>	[4520]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Manual request to close bus breaker (alternative to front panel buttons). Active in manual mode only.

## MODBUS TABLE

<b>Variable</b>	Mains breaker closing in manual mode
<b>Address</b>	[4521]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Remote manual close of mains breaker in manual mode (alternative to front button). Active in manual mode only.

<b>Variable</b>	Stop horn
<b>Address</b>	[4530]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	External horn stop request. Used when Horn output is configured.

<b>Variable</b>	Led test
<b>Address</b>	[4580]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Activates all LEDs of the module in order to check that the LEDs work

<b>Variable</b>	Test mode request
<b>Address</b>	[4590]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Force controller in test mode, same effect as TEST button.

## MAINS

<b>Variable</b>	Mains breaker feedback
<b>Address</b>	[4500]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	Mains breaker position feedback. when active the mains breaker is considered closed.

<b>Variable</b>	Manual mains back
<b>Address</b>	[4544]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	15
<b>Description</b>	When configured, the sequence to switch back on Mains after generator start on Mains failure will be on hold until this input is activated. Load will remain on generator even if Mains back timer is elapsed, input will be mandatory to come back on Mains power.

<b>Variable</b>	Mains available
<b>Address</b>	[4642]
<b>Scale Factor</b>	0
<b>Type</b>	Unsigned integer 16 bits
<b>Read/Write</b>	Read/Write
<b>Min value</b>	0
<b>Max value</b>	1
<b>Description</b>	External signal to simulate Mains as available. Mains LED will lit when input is activated.

## BITFIELDS

### INPUTS/OUTPUTS

<b>Variable</b>	Physical status of digital input 1
<b>Address</b>	[953.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Physical state of the digital input (without application of polarity, validity and time delays)

<b>Variable</b>	Physical status of digital input 2
<b>Address</b>	[953.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Physical state of the digital input (without application of polarity, validity and time delays)

<b>Variable</b>	Physical status of digital input 3
<b>Address</b>	[953.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Physical state of the digital input (without application of polarity, validity and time delays)

<b>Variable</b>	Physical status of digital input 4
<b>Address</b>	[953.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Physical state of the digital input (without application of polarity, validity and time delays)

<b>Variable</b>	Physical status of digital input 5
<b>Address</b>	[953.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Physical state of the digital input (without application of polarity, validity and time delays)

## MODBUS TABLE

<b>Variable</b>	Physical status of digital input 6
<b>Address</b>	[953.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Physical state of the digital input (without application of polarity, validity and time delays)

<b>Variable</b>	Physical status of digital input 7
<b>Address</b>	[953.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Physical state of the digital input (without application of polarity, validity and time delays)

<b>Variable</b>	Physical status of digital input 8
<b>Address</b>	[953.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Physical state of the digital input (without application of polarity, validity and time delays)

<b>Variable</b>	Physical status of digital input 9
<b>Address</b>	[953.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Physical state of the digital input (without application of polarity, validity and time delays)

<b>Variable</b>	Digital input 1
<b>Address</b>	[954.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Physical status of digital inputs (including analog inputs converted in digital): 1 = Input connected to negative, 0 = Input not connected. Check documentation for complete list

<b>Variable</b>	Digital input 2
<b>Address</b>	[954.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	Digital input 3
<b>Address</b>	[954.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Digital input 4
<b>Address</b>	[954.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Digital input 5
<b>Address</b>	[954.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Digital input 6
<b>Address</b>	[954.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Digital input 7
<b>Address</b>	[954.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Digital input 8
<b>Address</b>	[954.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Digital input 9
<b>Address</b>	[954.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	Analog input 1 setup as digital input
<b>Address</b>	[954.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Analog input 2 setup as digital input
<b>Address</b>	[954.10]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Analog input 3 setup as digital input
<b>Address</b>	[954.11]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Digital output 1
<b>Address</b>	[957.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Physical status of digital outputs/relay : 1 = powered or closed, 0 = open. Check documentation for complete list

<b>Variable</b>	Digital output 2
<b>Address</b>	[957.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Digital output 3
<b>Address</b>	[957.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Digital output 4
<b>Address</b>	[957.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-



## MODBUS TABLE

<b>Variable</b>	Digital output 5
<b>Address</b>	[957.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Digital output 6
<b>Address</b>	[957.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Relay 1
<b>Address</b>	[957.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Relay 2
<b>Address</b>	[957.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## I/O CAN BUS EXPANSION

<b>Variable</b>	CANopen digital Input 1
<b>Address</b>	[955.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Physical status of CAN Open inputs : 1 = Input conected to negative, 0 = Input not conected. Check documentation for complete list

<b>Variable</b>	CANopen digital Input 2
<b>Address</b>	[955.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	CANopen digital Input 3
<b>Address</b>	[955.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 4
<b>Address</b>	[955.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 5
<b>Address</b>	[955.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 6
<b>Address</b>	[955.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 7
<b>Address</b>	[955.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 8
<b>Address</b>	[955.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 9
<b>Address</b>	[955.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	CANopen digital Input 10
<b>Address</b>	[955.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 11
<b>Address</b>	[955.10]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 12
<b>Address</b>	[955.11]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 13
<b>Address</b>	[955.12]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 14
<b>Address</b>	[955.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 15
<b>Address</b>	[955.14]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 16
<b>Address</b>	[955.15]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	CANopen digital Input 17
<b>Address</b>	[956.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Physical status of CAN Open inputs : 1 = Input conected to negative, 0 = Input not conected. Check documentation for complete list

<b>Variable</b>	CANopen digital Input 18
<b>Address</b>	[956.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 19
<b>Address</b>	[956.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 20
<b>Address</b>	[956.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 21
<b>Address</b>	[956.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 22
<b>Address</b>	[956.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 23
<b>Address</b>	[956.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	CANOpen digital Input 24
<b>Address</b>	[956.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 25
<b>Address</b>	[956.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 26
<b>Address</b>	[956.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 27
<b>Address</b>	[956.10]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 28
<b>Address</b>	[956.11]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 29
<b>Address</b>	[956.12]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 30
<b>Address</b>	[956.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	CANopen digital Input 31
<b>Address</b>	[956.14]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 32
<b>Address</b>	[956.15]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 1
<b>Address</b>	[958.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Physical status of CAN Open inputs : 1 = Input connected to negative, 0 = Input not connected. Check documentation for complete list

<b>Variable</b>	CANopen digital Output 2
<b>Address</b>	[958.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 3
<b>Address</b>	[958.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 4
<b>Address</b>	[958.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 5
<b>Address</b>	[958.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	CANopen digital Output 6
<b>Address</b>	[958.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 7
<b>Address</b>	[958.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 8
<b>Address</b>	[958.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 9
<b>Address</b>	[958.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 10
<b>Address</b>	[958.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 11
<b>Address</b>	[958.10]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 12
<b>Address</b>	[958.11]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	CANOpen digital Output 13
<b>Address</b>	[958.12]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Output 14
<b>Address</b>	[958.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Output 15
<b>Address</b>	[958.14]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Output 16
<b>Address</b>	[958.15]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Output 17
<b>Address</b>	[959.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Physical status of CAN Open inputs : 1 = Input connected to negative, 0 = Input not connected. Check documentation for complete list

<b>Variable</b>	CANOpen digital Output 18
<b>Address</b>	[959.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Output 19
<b>Address</b>	[959.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-



## MODBUS TABLE

<b>Variable</b>	CANopen digital Output 20
<b>Address</b>	[959.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 21
<b>Address</b>	[959.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 22
<b>Address</b>	[959.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 23
<b>Address</b>	[959.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 24
<b>Address</b>	[959.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 25
<b>Address</b>	[959.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 26
<b>Address</b>	[959.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	CANOpen digital Output 27
<b>Address</b>	[959.10]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Output 28
<b>Address</b>	[959.11]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Output 29
<b>Address</b>	[959.12]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Output 30
<b>Address</b>	[959.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Output 31
<b>Address</b>	[959.14]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Output 32
<b>Address</b>	[959.15]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 33
<b>Address</b>	[978.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	CANopen digital Input 34
<b>Address</b>	[978.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 35
<b>Address</b>	[978.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 36
<b>Address</b>	[978.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 37
<b>Address</b>	[978.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 38
<b>Address</b>	[978.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 39
<b>Address</b>	[978.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 40
<b>Address</b>	[978.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	CANOpen digital Input 41
<b>Address</b>	[978.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 42
<b>Address</b>	[978.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 43
<b>Address</b>	[978.10]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 44
<b>Address</b>	[978.11]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 45
<b>Address</b>	[978.12]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 46
<b>Address</b>	[978.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 47
<b>Address</b>	[978.14]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	CANOpen digital Input 48
<b>Address</b>	[978.15]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 49
<b>Address</b>	[979.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 50
<b>Address</b>	[979.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 51
<b>Address</b>	[979.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 52
<b>Address</b>	[979.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 53
<b>Address</b>	[979.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 54
<b>Address</b>	[979.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	CANOpen digital Input 55
<b>Address</b>	[979.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 56
<b>Address</b>	[979.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 57
<b>Address</b>	[979.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 58
<b>Address</b>	[979.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 59
<b>Address</b>	[979.10]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 60
<b>Address</b>	[979.11]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANOpen digital Input 61
<b>Address</b>	[979.12]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	CANopen digital Input 62
<b>Address</b>	[979.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 63
<b>Address</b>	[979.14]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Input 64
<b>Address</b>	[979.15]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 33
<b>Address</b>	[980.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 34
<b>Address</b>	[980.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 35
<b>Address</b>	[980.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 36
<b>Address</b>	[980.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	CANopen digital Output 37
<b>Address</b>	[980.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 38
<b>Address</b>	[980.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 39
<b>Address</b>	[980.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 40
<b>Address</b>	[980.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 41
<b>Address</b>	[980.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 42
<b>Address</b>	[980.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 43
<b>Address</b>	[980.10]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-



## MODBUS TABLE

<b>Variable</b>	CANopen digital Output 44
<b>Address</b>	[980.11]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 45
<b>Address</b>	[980.12]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 46
<b>Address</b>	[980.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 47
<b>Address</b>	[980.14]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 48
<b>Address</b>	[980.15]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 49
<b>Address</b>	[981.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 50
<b>Address</b>	[981.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	CANopen digital Output 51
<b>Address</b>	[981.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 52
<b>Address</b>	[981.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 53
<b>Address</b>	[981.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 54
<b>Address</b>	[981.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 55
<b>Address</b>	[981.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 56
<b>Address</b>	[981.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 57
<b>Address</b>	[981.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	CANopen digital Output 58
<b>Address</b>	[981.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 59
<b>Address</b>	[981.10]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 60
<b>Address</b>	[981.11]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 61
<b>Address</b>	[981.12]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 62
<b>Address</b>	[981.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 63
<b>Address</b>	[981.14]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen digital Output 64
<b>Address</b>	[981.15]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

POWER PLANT

<b>Variable</b>	Generator No.1 circuit breaker position
<b>Address</b>	[562.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.2 circuit breaker position
<b>Address</b>	[562.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.3 circuit breaker position
<b>Address</b>	[562.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.4 circuit breaker position
<b>Address</b>	[562.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.5 circuit breaker position
<b>Address</b>	[562.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.6 circuit breaker position
<b>Address</b>	[562.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

## MODBUS TABLE

<b>Variable</b>	Generator No.7 circuit breaker position
<b>Address</b>	[562.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.8 circuit breaker position
<b>Address</b>	[562.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.9 circuit breaker position
<b>Address</b>	[562.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.10 circuit breaker position
<b>Address</b>	[562.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.11 circuit breaker position
<b>Address</b>	[562.10]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.12 circuit breaker position
<b>Address</b>	[562.11]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.13 circuit breaker position
<b>Address</b>	[562.12]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

## MODBUS TABLE

<b>Variable</b>	Generator No.14 circuit breaker position
<b>Address</b>	[562.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.15 circuit breaker position
<b>Address</b>	[562.14]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.16 circuit breaker position
<b>Address</b>	[562.15]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.17 circuit breaker position
<b>Address</b>	[563.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.18 circuit breaker position
<b>Address</b>	[563.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.19 circuit breaker position
<b>Address</b>	[563.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.20 circuit breaker position
<b>Address</b>	[563.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

## MODBUS TABLE

<b>Variable</b>	Generator No.21 circuit breaker position
<b>Address</b>	[563.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.22 circuit breaker position
<b>Address</b>	[563.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.23 circuit breaker position
<b>Address</b>	[563.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.24 circuit breaker position
<b>Address</b>	[563.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.25 circuit breaker position
<b>Address</b>	[563.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.26 circuit breaker position
<b>Address</b>	[563.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.27 circuit breaker position
<b>Address</b>	[563.10]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

## MODBUS TABLE

<b>Variable</b>	Generator No.28 circuit breaker position
<b>Address</b>	[563.11]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.29 circuit breaker position
<b>Address</b>	[563.12]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.30 circuit breaker position
<b>Address</b>	[563.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.31 circuit breaker position
<b>Address</b>	[563.14]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Generator No.32 circuit breaker position
<b>Address</b>	[563.15]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	0 if circuit breaker opened, 1 if circuit breaker closed

<b>Variable</b>	Mains/tie breaker No.1 circuit breaker position
<b>Address</b>	[976.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.



## MODBUS TABLE

<b>Variable</b>	Mains/tie breaker No.2 circuit breaker position
<b>Address</b>	[976.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.3 circuit breaker position
<b>Address</b>	[976.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.4 circuit breaker position
<b>Address</b>	[976.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.5 circuit breaker position
<b>Address</b>	[976.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.6 circuit breaker position
<b>Address</b>	[976.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

## MODBUS TABLE

<b>Variable</b>	Mains/tie breaker No.7 circuit breaker position
<b>Address</b>	[976.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.8 circuit breaker position
<b>Address</b>	[976.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.9 circuit breaker position
<b>Address</b>	[976.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.10 circuit breaker position
<b>Address</b>	[976.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.11 circuit breaker position
<b>Address</b>	[976.10]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

## MODBUS TABLE

<b>Variable</b>	Mains/tie breaker No.12 circuit breaker position
<b>Address</b>	[976.11]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.13 circuit breaker position
<b>Address</b>	[976.12]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.14 circuit breaker position
<b>Address</b>	[976.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.15 circuit breaker position
<b>Address</b>	[976.14]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.16 circuit breaker position
<b>Address</b>	[976.15]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

## MODBUS TABLE

<b>Variable</b>	Mains/tie breaker No.17 circuit breaker position
<b>Address</b>	[977.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.18 circuit breaker position
<b>Address</b>	[977.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.19 circuit breaker position
<b>Address</b>	[977.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.20 circuit breaker position
<b>Address</b>	[977.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.21 circuit breaker position
<b>Address</b>	[977.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

## MODBUS TABLE

<b>Variable</b>	Mains/tie breaker No.22 circuit breaker position
<b>Address</b>	[977.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.23 circuit breaker position
<b>Address</b>	[977.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.24 circuit breaker position
<b>Address</b>	[977.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.25 circuit breaker position
<b>Address</b>	[977.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.26 circuit breaker position
<b>Address</b>	[977.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

## MODBUS TABLE

<b>Variable</b>	Mains/tie breaker No.27 circuit breaker position
<b>Address</b>	[977.10]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.28 circuit breaker position
<b>Address</b>	[977.11]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.29 circuit breaker position
<b>Address</b>	[977.12]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.30 circuit breaker position
<b>Address</b>	[977.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

<b>Variable</b>	Mains/tie breaker No.31 circuit breaker position
<b>Address</b>	[977.14]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

## MODBUS TABLE

<b>Variable</b>	Mains/tie breaker No.32 circuit breaker position
<b>Address</b>	[977.15]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	On MASTER COMPACT 1B, 0 if circuit breaker opened, 1 if circuit breaker closed. On MASTER COMPACT, 0 if at least 1 of the 2 circuit breakers is opened, 1 if both circuit breakers are closed. On BTB COMPACT, 0 if circuit breaker opened, 1 if circuit breaker closed.

## BUS PROTECTIONS

<b>Variable</b>	Over voltage level 1 active as an alarm
<b>Address</b>	[962.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Over voltage level 2 active as an alarm
<b>Address</b>	[962.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Under voltage level 1 active as an alarm
<b>Address</b>	[962.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Under voltage level 2 active as an alarm
<b>Address</b>	[962.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Over voltage level 1 active as a fault
<b>Address</b>	[963.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	Over voltage level 2 active as a fault
<b>Address</b>	[963.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Under voltage level 1 active as a fault
<b>Address</b>	[963.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Under voltage level 2 active as a fault
<b>Address</b>	[963.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Last trip out active as an alarm
<b>Address</b>	[964.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Last trip out active as a fault
<b>Address</b>	[965.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Mismatch rotophases level 1
<b>Address</b>	[4053.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Mismatch rotophases level 2
<b>Address</b>	[4053.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.



## MODBUS TABLE

<b>Variable</b>	Bus over frequency level 1
<b>Address</b>	[4250.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Bus over frequency level 2
<b>Address</b>	[4250.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Bus under frequency level 1
<b>Address</b>	[4251.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Bus under frequency level 2
<b>Address</b>	[4251.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Bus over voltage level 1
<b>Address</b>	[4252.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Bus over voltage level 2
<b>Address</b>	[4252.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Bus under voltage level 1
<b>Address</b>	[4253.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

## MODBUS TABLE

<b>Variable</b>	Bus under voltage level 2
<b>Address</b>	[4253.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Bus minimum KW level 1
<b>Address</b>	[4254.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Bus minimum KW level 2
<b>Address</b>	[4254.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Bus maximum KW level 1
<b>Address</b>	[4255.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Bus maximum KW level 2
<b>Address</b>	[4255.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Bus reverse KW level 1
<b>Address</b>	[4256.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Bus reverse KW level 2
<b>Address</b>	[4256.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

## MODBUS TABLE

<b>Variable</b>	Bus minimum KVAR level 1
<b>Address</b>	[4257.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Bus minimum KVAR level 2
<b>Address</b>	[4257.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Bus maximum KVAR level 1
<b>Address</b>	[4258.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Bus maximum KVAR level 2
<b>Address</b>	[4258.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Bus reverse KVAR level 1
<b>Address</b>	[4259.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Bus reverse KVAR level 2
<b>Address</b>	[4259.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Bus maximum current level 1
<b>Address</b>	[4260.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

## MODBUS TABLE

<b>Variable</b>	Bus maximum current level 2
<b>Address</b>	[4260.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Bus short-circuit level 1
<b>Address</b>	[4262.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Bus short-circuit level 2
<b>Address</b>	[4262.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Bus voltage unbalance level 1
<b>Address</b>	[4268.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Bus voltage unbalance level 2
<b>Address</b>	[4268.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Not enough genset available level 1
<b>Address</b>	[4270.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Not enough genset available level 2
<b>Address</b>	[4270.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

## MODBUS TABLE

<b>Variable</b>	Bus rotophase level 1
<b>Address</b>	[4272.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Bus rotophase level 2
<b>Address</b>	[4272.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

## MAINS PROTECTIONS

<b>Variable</b>	Over frequency level 1 active as an alarm
<b>Address</b>	[966.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	For Modbus reading

<b>Variable</b>	Over frequency level 2 active as an alarm
<b>Address</b>	[966.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Under frequency level 1 active as an alarm
<b>Address</b>	[966.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Under frequency level 2 active as an alarm
<b>Address</b>	[966.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	Over voltage level 1 active as an alarm
<b>Address</b>	[966.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Over voltage level 2 active as an alarm
<b>Address</b>	[966.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Under voltage level 1 active as an alarm
<b>Address</b>	[966.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Under voltage level 2 active as an alarm
<b>Address</b>	[966.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Minimum kW level 1 active as an alarm
<b>Address</b>	[966.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Minimum kW level 2 active as an alarm
<b>Address</b>	[966.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Maximum kW level 1 active as an alarm
<b>Address</b>	[966.10]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	Maximum kW level 2 active as an alarm
<b>Address</b>	[966.11]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Reverse kW level 1 active as an alarm
<b>Address</b>	[966.12]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Reverse kW level 2 active as an alarm
<b>Address</b>	[966.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Minimum kVAR level 1 active as an alarm
<b>Address</b>	[966.14]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Minimum kVAR level 2 active as an alarm
<b>Address</b>	[966.15]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Over frequency level 1 active as a fault
<b>Address</b>	[967.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	For Modbus reading

<b>Variable</b>	Over frequency level 2 active as a fault
<b>Address</b>	[967.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	For Modbus Readings

## MODBUS TABLE

<b>Variable</b>	Under frequency level 1 active as a fault
<b>Address</b>	[967.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Under frequency level 2 active as a fault
<b>Address</b>	[967.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Over voltage level 1 active as a fault
<b>Address</b>	[967.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Over voltage level 2 active as a fault
<b>Address</b>	[967.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Under voltage level 1 active as a fault
<b>Address</b>	[967.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Under voltage level 2 active as a fault
<b>Address</b>	[967.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Minimum kW level 1 active as a fault
<b>Address</b>	[967.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-



## MODBUS TABLE

<b>Variable</b>	Minimum kW level 2 active as a fault
<b>Address</b>	[967.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Maximum kW level 1 active as a fault
<b>Address</b>	[967.10]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Maximum kW level 2 active as a fault
<b>Address</b>	[967.11]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Reverse kW level 1 active as a fault
<b>Address</b>	[967.12]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Reverse kW level 2 active as a fault
<b>Address</b>	[967.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Minimum kVAR level 1 active as a fault
<b>Address</b>	[967.14]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Minimum kVAR level 2 active as a fault
<b>Address</b>	[967.15]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	Mains over frequency level 1
<b>Address</b>	[4300.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Mains over frequency level 2
<b>Address</b>	[4300.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Mains under frequency level 1
<b>Address</b>	[4301.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Mains under frequency level 2
<b>Address</b>	[4301.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Mains over voltage level 1
<b>Address</b>	[4302.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Mains over voltage level 2
<b>Address</b>	[4302.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Mains under voltage level 1
<b>Address</b>	[4303.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

## MODBUS TABLE

<b>Variable</b>	Mains under voltage level 2
<b>Address</b>	[4303.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Mains minimum KW level 1
<b>Address</b>	[4304.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Mains minimum KW level 2
<b>Address</b>	[4304.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Mains maximum KW level 1
<b>Address</b>	[4305.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Mains maximum KW level 2
<b>Address</b>	[4305.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Mains reverse KW level 1
<b>Address</b>	[4306.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Mains reverse KW level 2
<b>Address</b>	[4306.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

## MODBUS TABLE

<b>Variable</b>	Mains minimum KVAR level 1
<b>Address</b>	[4307.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Mains minimum KVAR level 2
<b>Address</b>	[4307.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Mains maximum KVAR level 1
<b>Address</b>	[4308.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Mains maximum KVAR level 2
<b>Address</b>	[4308.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Mains reverse KVAR level 1
<b>Address</b>	[4309.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Mains reverse KVAR level 2
<b>Address</b>	[4309.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Vector jump level 1
<b>Address</b>	[4310.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

## MODBUS TABLE

<b>Variable</b>	Vector jump level 2
<b>Address</b>	[4310.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	df/dt level 1
<b>Address</b>	[4311.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	df/dt level 2
<b>Address</b>	[4311.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Mains voltage unbalance level 1
<b>Address</b>	[4314.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Mains voltage unbalance level 2
<b>Address</b>	[4314.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Bus current unbalance level 1
<b>Address</b>	[4316.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Bus current unbalance level 2
<b>Address</b>	[4316.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

## MODBUS TABLE

<b>Variable</b>	Mains rotophase level 1
<b>Address</b>	[4318.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Mains rotophase level 2
<b>Address</b>	[4318.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

## OTHER PROTECTIONS

<b>Variable</b>	Battery minimum voltage level 1
<b>Address</b>	[4202.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Battery minimum voltage level 2
<b>Address</b>	[4202.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

<b>Variable</b>	Battery maximum voltage level 1
<b>Address</b>	[4203.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 1 protection triggered.

<b>Variable</b>	Battery maximum voltage level 2
<b>Address</b>	[4203.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active when the level 2 protection triggered.

## COMMUNICATION

<b>Variable</b>	Write date/time
<b>Address</b>	[3015.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Write engine meters
<b>Address</b>	[3015.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Write input functions
<b>Address</b>	[3015.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Reading via Modbus TCP
<b>Address</b>	[3015.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Writing via Modbus TCP
<b>Address</b>	[3015.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

OTHERS

<b>Variable</b>	New fault occurred: Fault LED is blinking
<b>Address</b>	[950.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Bitfield about protection status of the controller: Bit 4 = 1 : Engine running Bit 3 = 1 : Alarm exist & acknowledged : Alarm LED is on Bit 2 = 1 : Fault exist & acknowledged : Fault LED is on Bit 1 = 1 : New alarm occurred : Alarm LED is blinking Bit 0 = 1 : New fault occurred : Fault LED is blinking

<b>Variable</b>	New alarm occurred: Alarm LED is blinking
<b>Address</b>	[950.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Fault exist: Fault LED is on
<b>Address</b>	[950.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Alarm exist: Alarm LED is on
<b>Address</b>	[950.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Battery minimum voltage level 1 active as an alarm
<b>Address</b>	[960.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Battery minimum voltage level 2 active as an alarm
<b>Address</b>	[960.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-



## MODBUS TABLE

<b>Variable</b>	Battery maximum voltage 1 active as an alarm
<b>Address</b>	[960.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Battery maximum voltage level 2 active as an alarm
<b>Address</b>	[960.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Battery minimal voltage level 1 active as a fault
<b>Address</b>	[961.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Battery minimal voltage level 2 active as a fault
<b>Address</b>	[961.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Battery maximum voltage level 1 active as a fault
<b>Address</b>	[961.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Battery maximum voltage level 2 active as a fault
<b>Address</b>	[961.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Fail to close mains breaker active as a fault
<b>Address</b>	[961.12]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	Fail to open mains breaker active as a fault
<b>Address</b>	[961.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Mains breaker open suddenly active as a fault
<b>Address</b>	[961.14]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Mains breaker close suddenly active as a fault
<b>Address</b>	[961.15]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Maximum kVAR level 1 active as an alarm
<b>Address</b>	[968.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	For Modbus reading

<b>Variable</b>	Maximum kVAR level 2 active as an alarm
<b>Address</b>	[968.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Reverse kVAR level 1 active as an alarm
<b>Address</b>	[968.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Reverse kVAR level 2 active as an alarm
<b>Address</b>	[968.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	Vector jump active as an alarm
<b>Address</b>	[968.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Df/dt (Rocof) active as an alarm
<b>Address</b>	[968.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Maximum kVAR level 1 active as a fault
<b>Address</b>	[969.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	For Modbus reading

<b>Variable</b>	Maximum kVAR level 2 active as a fault
<b>Address</b>	[969.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Reverse kVAR level 1 active as a fault
<b>Address</b>	[969.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Reverse kVAR level 2 active as a fault
<b>Address</b>	[969.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Vector jump active as a fault
<b>Address</b>	[969.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	Df/dt (Rocof) active as a fault
<b>Address</b>	[969.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Fail to synchronize active as an alarm
<b>Address</b>	[970.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	For Modbus reading

<b>Variable</b>	CAN1 controllers communication fault active as an alarm
<b>Address</b>	[970.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Minimum/maximum analog measure 1 (level 1) active as an alarm
<b>Address</b>	[970.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Minimum/maximum analog measure 1 (level 2) active as an alarm
<b>Address</b>	[970.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Minimum/maximum analog measure 2 (level 1) active as an alarm
<b>Address</b>	[970.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Minimum/maximum analog measure 2 (level 2) active as an alarm
<b>Address</b>	[970.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	Minimum/maximum analog measure 3 (level 1) active as an alarm
<b>Address</b>	[970.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Minimum/maximum analog measure 3 (level 2) active as an alarm
<b>Address</b>	[970.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Fail to synchronize active as a fault
<b>Address</b>	[971.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	For Modbus reading

<b>Variable</b>	CAN1 controllers communication fault active as a fault
<b>Address</b>	[971.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Minimum/maximum analog measure 1 (level 1) active as a fault
<b>Address</b>	[971.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Minimum/maximum analog measure 1 (level 2) active as a fault
<b>Address</b>	[971.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Minimum/maximum analog measure 2 (level 1) active as a fault
<b>Address</b>	[971.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	Minimum/maximum analog measure 2 (level 2) active as a fault
<b>Address</b>	[971.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Minimum/maximum analog measure 3 (level 1) active as a fault
<b>Address</b>	[971.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Minimum/maximum analog measure 3 (level 2) active as a fault
<b>Address</b>	[971.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Fail to close bus breaker active as a fault
<b>Address</b>	[971.10]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Fail to open bus breaker active as a fault
<b>Address</b>	[971.11]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Bus breaker open suddently active as a fault
<b>Address</b>	[971.12]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Bus breaker close suddently active as a fault
<b>Address</b>	[971.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	CANopen error active as an alarm
<b>Address</b>	[972.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	For Modbus reading

<b>Variable</b>	Overload microcontroler active as an alarm
<b>Address</b>	[972.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Emergency stop active as a fault
<b>Address</b>	[973.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Fail to start active as a fault
<b>Address</b>	[973.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CANopen error active as a fault
<b>Address</b>	[973.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CAN1 missing MASTER active as an alarm
<b>Address</b>	[974.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	For Modbus reading

<b>Variable</b>	Bus voltage unbalance level 1 active as an alarm
<b>Address</b>	[974.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	Bus voltage unbalance level 2 active as an alarm
<b>Address</b>	[974.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Mains voltage unbalance level 1 active as an alarm
<b>Address</b>	[974.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Mains voltage unbalance level 2 active as an alarm
<b>Address</b>	[974.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Overflow in equation active as an alarm
<b>Address</b>	[974.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CAN1 missing PRIME active as an alarm
<b>Address</b>	[974.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CAN1 not enough GE active as an alarm
<b>Address</b>	[974.14]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CAN1 mismatch protocol version alarm active
<b>Address</b>	[974.15]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-



## MODBUS TABLE

<b>Variable</b>	CAN1 missing MASTER active as a fault
<b>Address</b>	[975.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	For Modbus reading

<b>Variable</b>	Bus voltage unbalance level 1 active as a fault
<b>Address</b>	[975.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Bus voltage unbalance level 2 active as a fault
<b>Address</b>	[975.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Mains voltage unbalance level 1 active as a fault
<b>Address</b>	[975.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Mains voltage unbalance level 2 active as a fault
<b>Address</b>	[975.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	CAN1 missing PRIME active as a fault
<b>Address</b>	[975.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## STATUSES

<b>Variable</b>	Fault
<b>Address</b>	[952.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Mains voltage
<b>Address</b>	[952.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	AUTO
<b>Address</b>	[952.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	MAN
<b>Address</b>	[952.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Mains breaker
<b>Address</b>	[952.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	For Modbus readings

<b>Variable</b>	TEST
<b>Address</b>	[952.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## MODBUS TABLE

<b>Variable</b>	Bus breaker
<b>Address</b>	[952.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Alarm
<b>Address</b>	[952.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

<b>Variable</b>	Bus voltage
<b>Address</b>	[952.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	-

## REMOTE BUTTONS

<b>Variable</b>	Shift button
<b>Address</b>	[951.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active (1) if the button is pressed. Inactive (0) otherwise.

<b>Variable</b>	Right arrow button
<b>Address</b>	[951.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active (1) if the button is pressed. Inactive (0) otherwise.

<b>Variable</b>	Down arrow button
<b>Address</b>	[951.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active (1) if the button is pressed. Inactive (0) otherwise.

## MODBUS TABLE

<b>Variable</b>	Left arrow button
<b>Address</b>	[951.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active (1) if the button is pressed. Inactive (0) otherwise.

<b>Variable</b>	Up arrow button
<b>Address</b>	[951.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active (1) if the button is pressed. Inactive (0) otherwise.

<b>Variable</b>	Enter button
<b>Address</b>	[951.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active (1) if the button is pressed. Inactive (0) otherwise.

<b>Variable</b>	Esc button
<b>Address</b>	[951.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active (1) if the button is pressed. Inactive (0) otherwise.

<b>Variable</b>	Fault/Alarm/info button
<b>Address</b>	[951.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active (1) if the button is pressed. Inactive (0) otherwise.

<b>Variable</b>	Mains breaker button
<b>Address</b>	[951.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active (1) if the button is pressed. Inactive (0) otherwise.

<b>Variable</b>	Bus breaker button
<b>Address</b>	[951.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active (1) if the button is pressed. Inactive (0) otherwise.

## MODBUS TABLE

<b>Variable</b>	Stop button
<b>Address</b>	[951.10]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active (1) if the button is pressed. Inactive (0) otherwise.

<b>Variable</b>	Start button
<b>Address</b>	[951.11]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active (1) if the button is pressed. Inactive (0) otherwise.

<b>Variable</b>	Man button
<b>Address</b>	[951.12]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active (1) if the button is pressed. Inactive (0) otherwise.

<b>Variable</b>	Test button
<b>Address</b>	[951.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active (1) if the button is pressed. Inactive (0) otherwise.

<b>Variable</b>	Auto button
<b>Address</b>	[951.14]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Active (1) if the button is pressed. Inactive (0) otherwise.

<b>Variable</b>	Shift button inhibition
<b>Address</b>	[8102.0]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Allows to disable (1) or enable (0) the button

<b>Variable</b>	Right arrow button inhibition
<b>Address</b>	[8102.1]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Allows to disable (1) or enable (0) the button

## MODBUS TABLE

<b>Variable</b>	Down arrow button inhibition
<b>Address</b>	[8102.2]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Allows to disable (1) or enable (0) the button

<b>Variable</b>	Left arrow button inhibition
<b>Address</b>	[8102.3]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Allows to disable (1) or enable (0) the button

<b>Variable</b>	Up arrow button inhibition
<b>Address</b>	[8102.4]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Allows to disable (1) or enable (0) the button

<b>Variable</b>	Enter button inhibition
<b>Address</b>	[8102.5]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Allows to disable (1) or enable (0) the button

<b>Variable</b>	Esc button inhibition
<b>Address</b>	[8102.6]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Allows to disable (1) or enable (0) the button

<b>Variable</b>	Fault/Alarm/info button inhibition
<b>Address</b>	[8102.7]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Allows to disable (1) or enable (0) the button

<b>Variable</b>	Mains breaker button inhibition
<b>Address</b>	[8102.8]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Allows to disable (1) or enable (0) the button

## MODBUS TABLE

<b>Variable</b>	Bus breaker button inhibition
<b>Address</b>	[8102.9]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Allows to disable (1) or enable (0) the button

<b>Variable</b>	Stop button inhibition
<b>Address</b>	[8102.10]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Allows to disable (1) or enable (0) the button

<b>Variable</b>	Start button inhibition
<b>Address</b>	[8102.11]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Allows to disable (1) or enable (0) the button

<b>Variable</b>	Man button inhibition
<b>Address</b>	[8102.12]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Allows to disable (1) or enable (0) the button

<b>Variable</b>	Test button inhibition
<b>Address</b>	[8102.13]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Allows to disable (1) or enable (0) the button

<b>Variable</b>	Auto button inhibition
<b>Address</b>	[8102.14]
<b>Type</b>	Bitfield 16 bits
<b>Description</b>	Allows to disable (1) or enable (0) the button