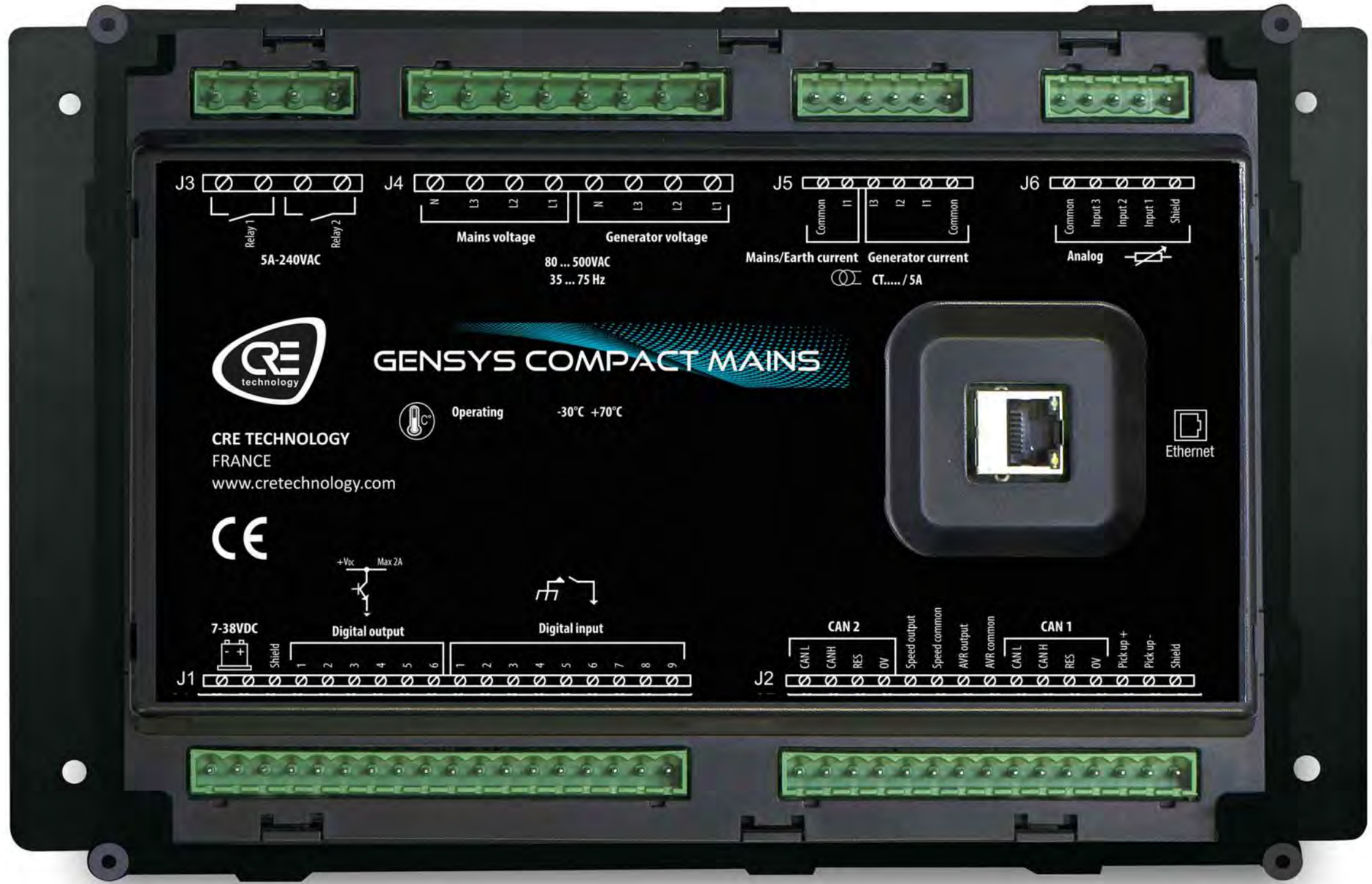


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GENSYS COMPACT MAINS HMI / CORE
STANDARD WIRING SCHEMATICS

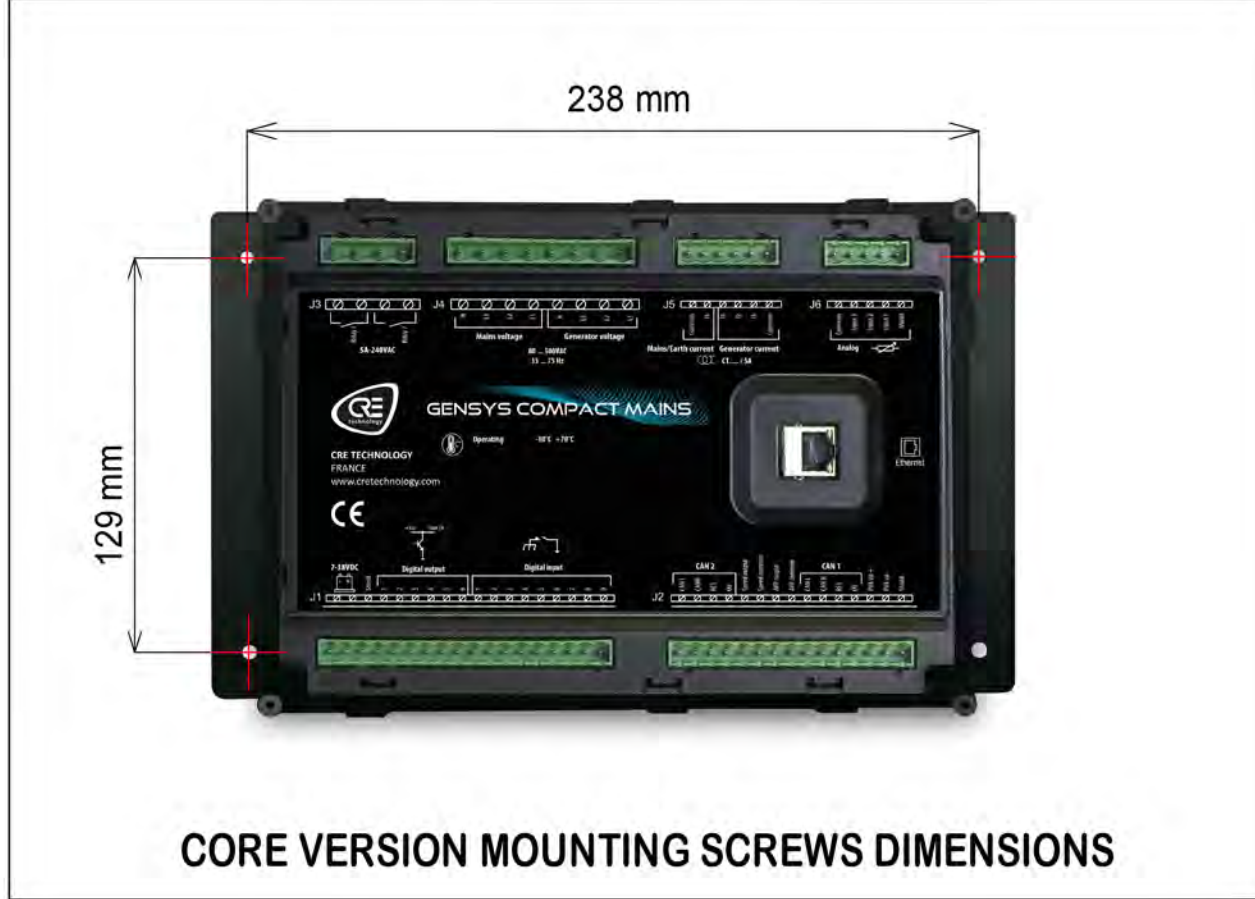
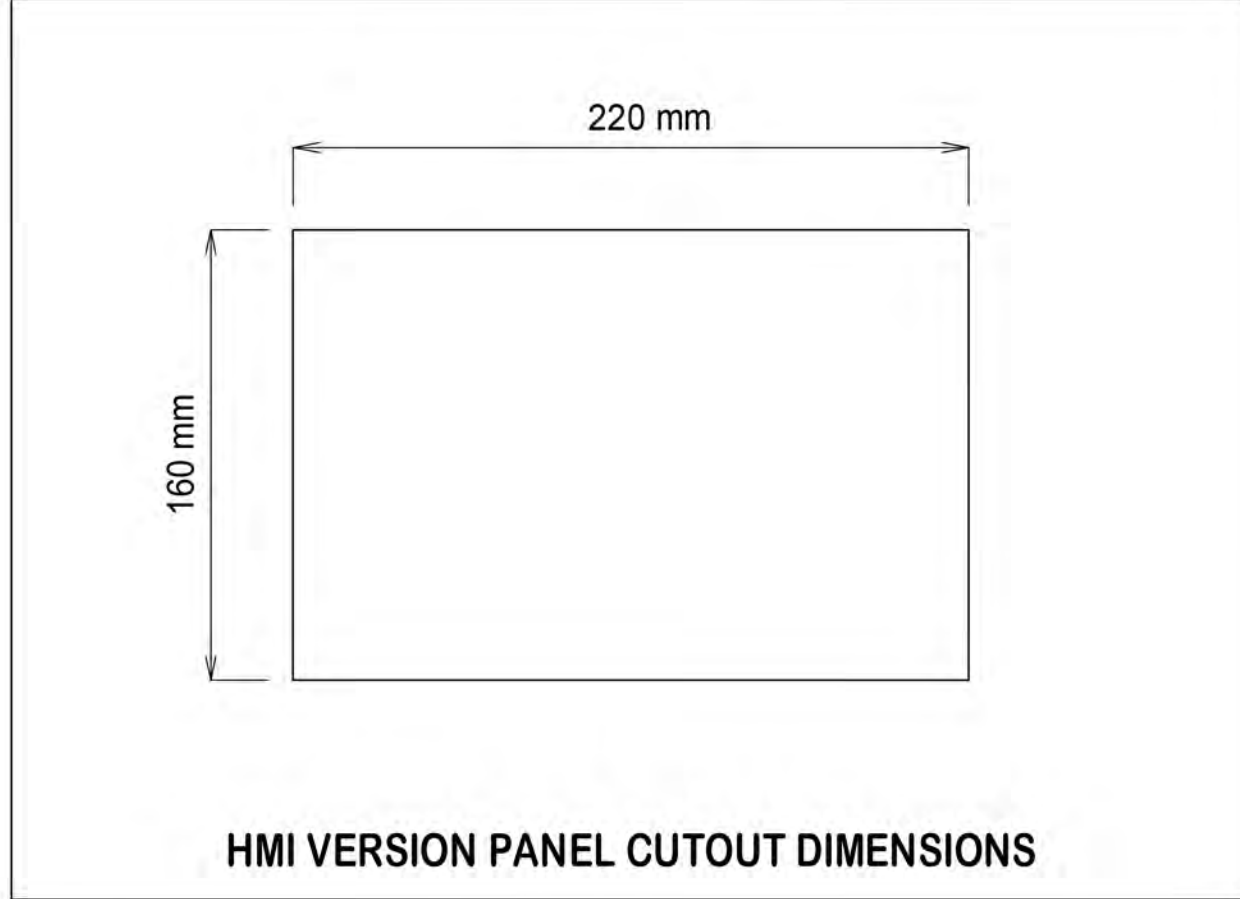
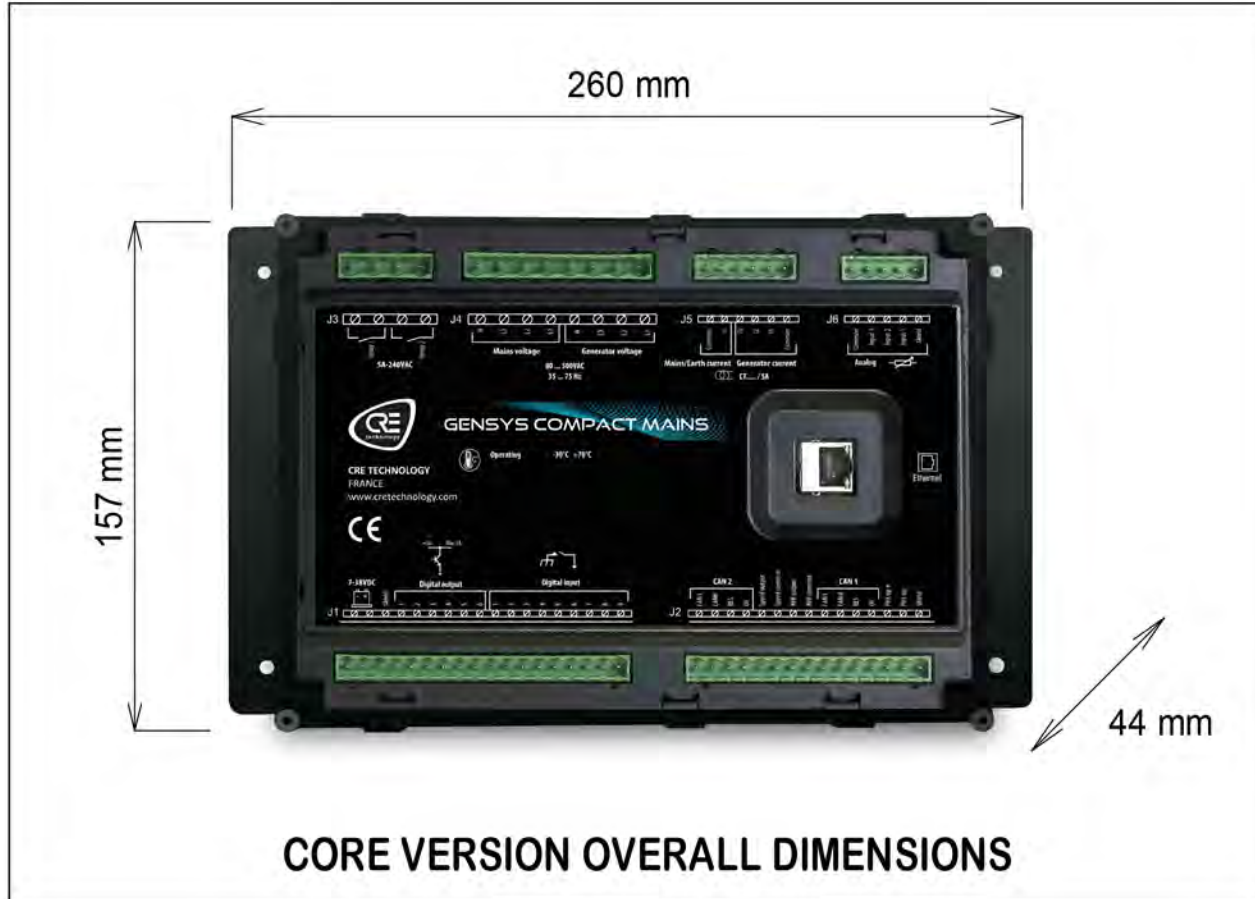
Module Front view



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STANDARD WIRING SCHEMATICS**

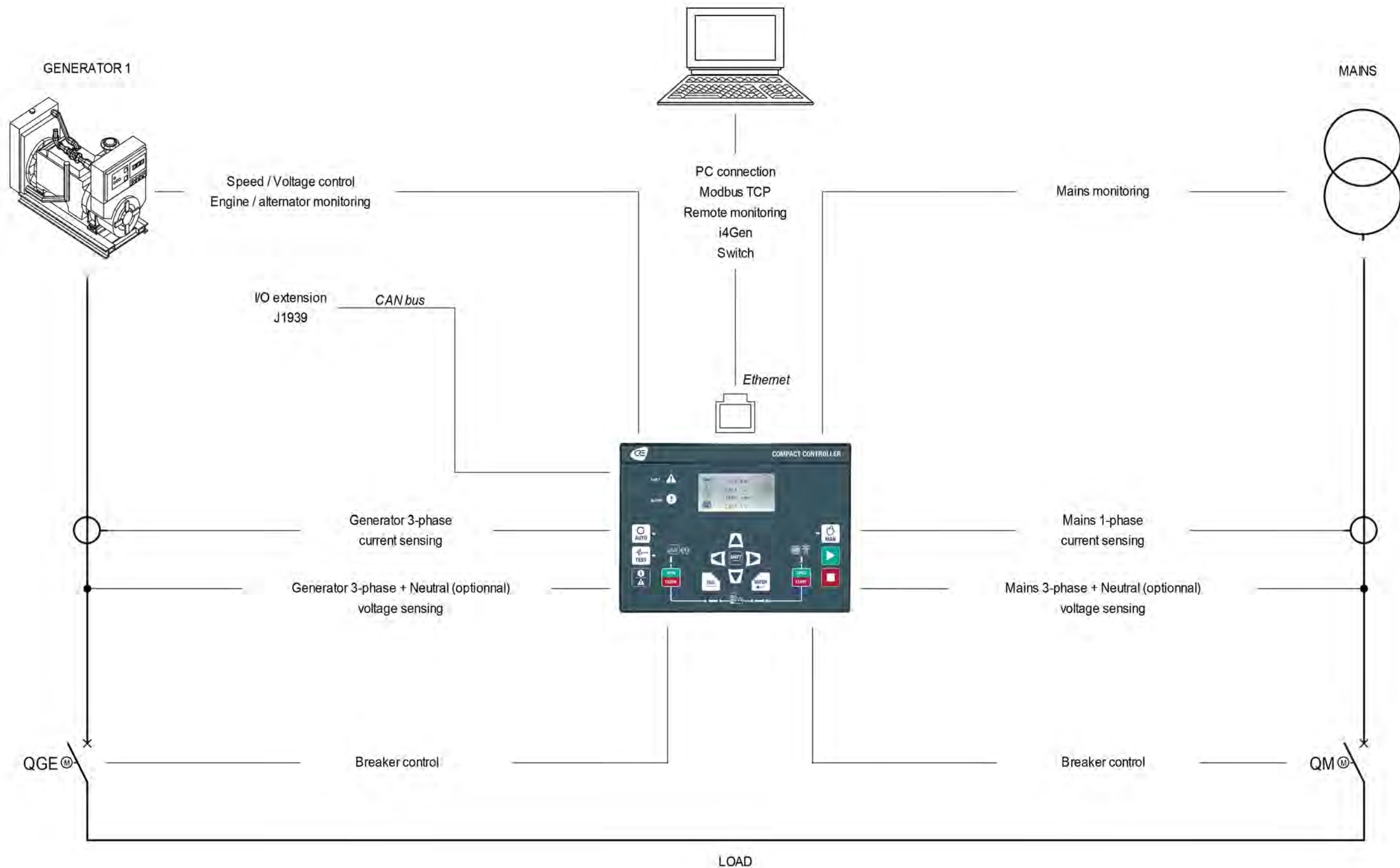
Module Rear / Core view



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**GENSYS COMPACT MAINS HMI / CORE
STANDARD WIRING SCHEMATICS**

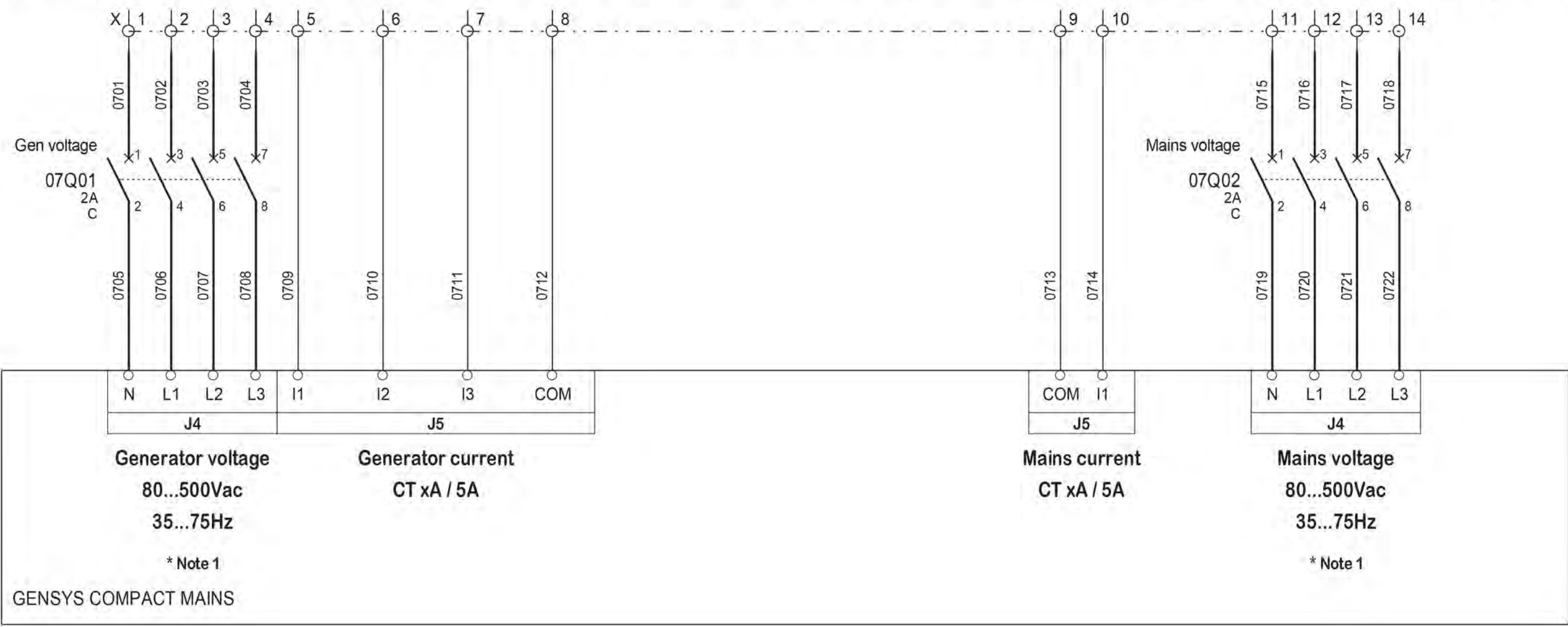
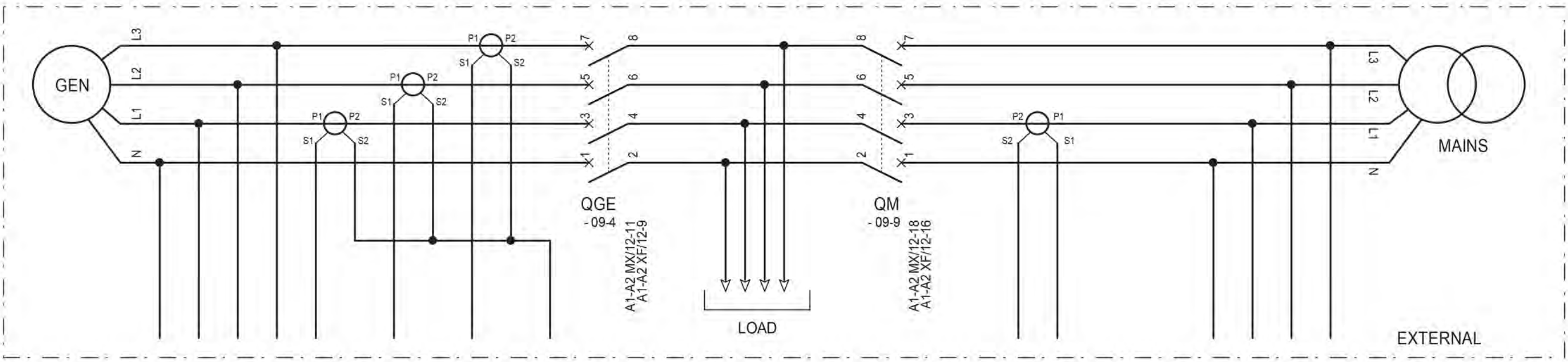
Dimensions / Panel cut



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**GENSYS COMPACT MAINS HMI / CORE
STANDARD WIRING SCHEMATICS**

Single line diagram



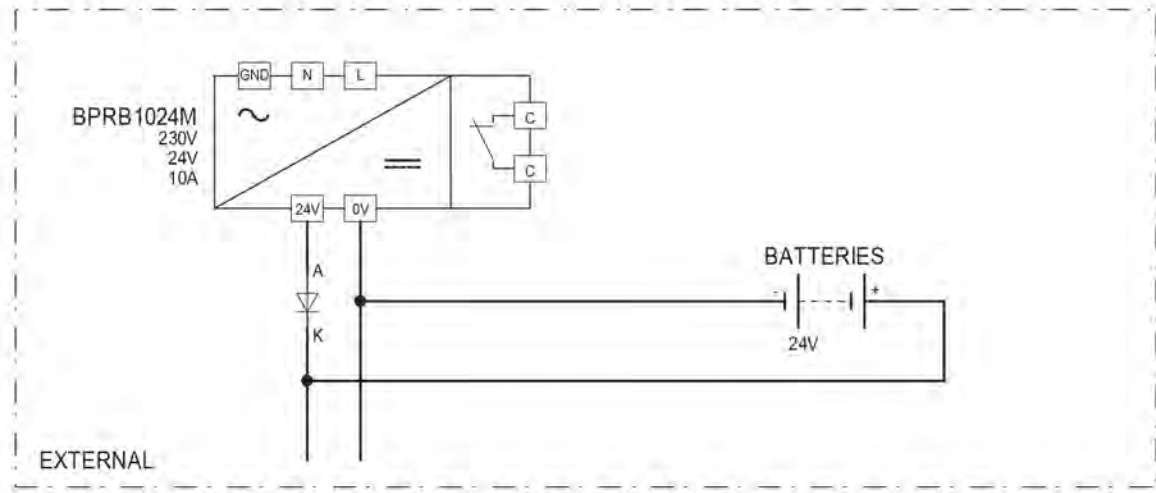
* Note1: Shall voltage transformers be required, refer to technical documentation



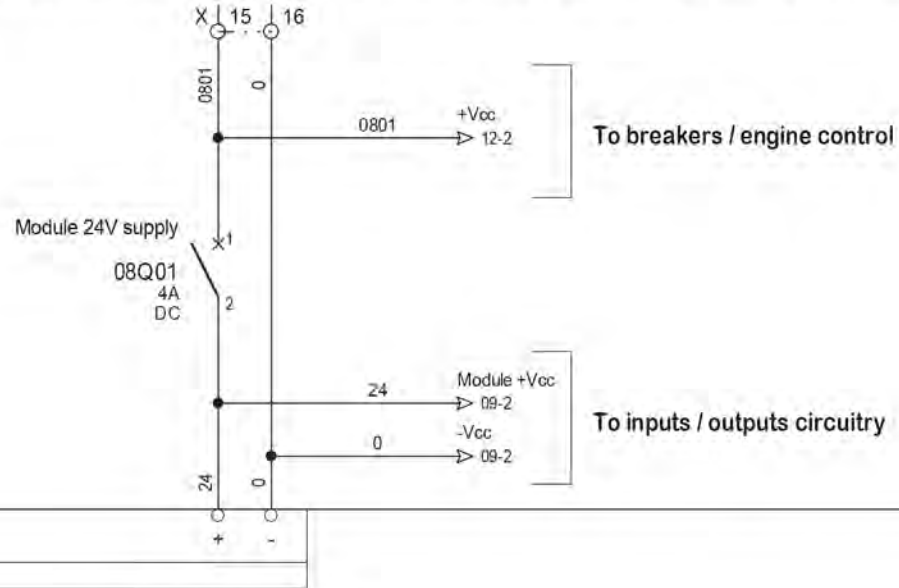
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**GENSYS COMPACT MAINS HMI / CORE
STANDARD WIRING SCHEMATICS**

Voltages and currents sensing

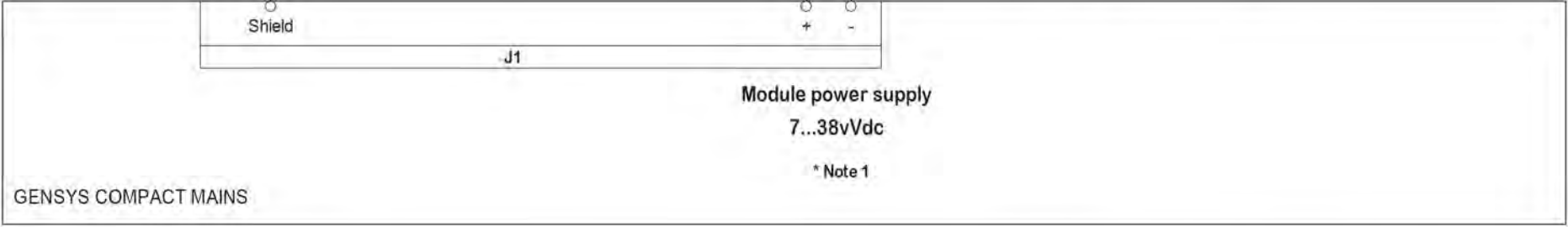


EXTERNAL



To breakers / engine control

To inputs / outputs circuitry



* Note 1

GENSYS COMPACT MAINS

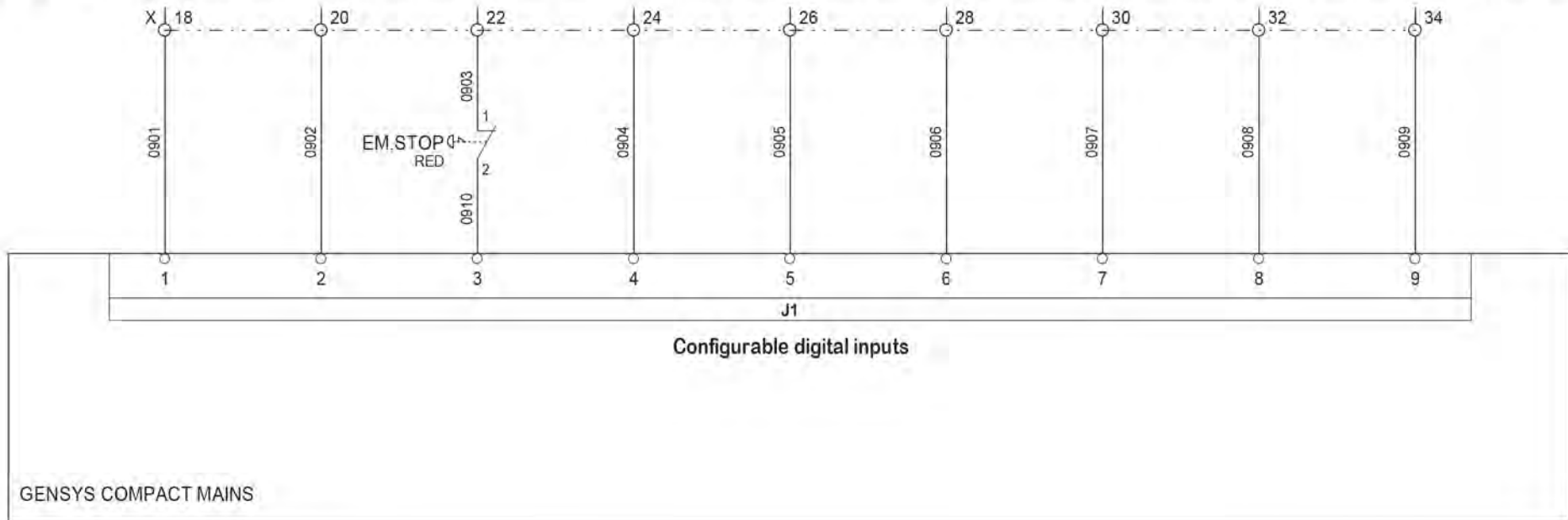
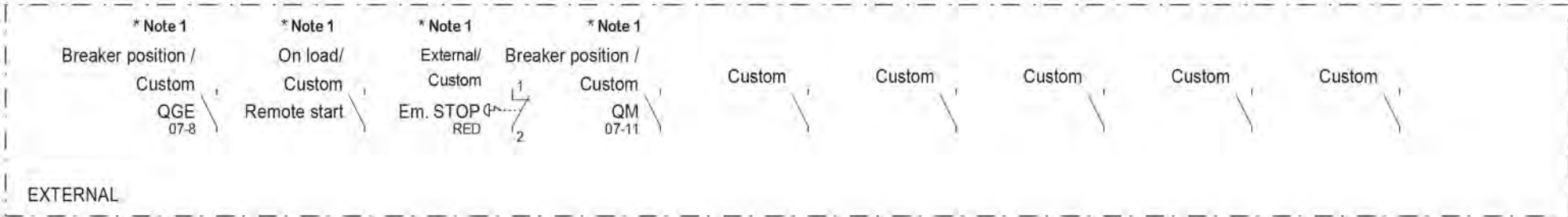
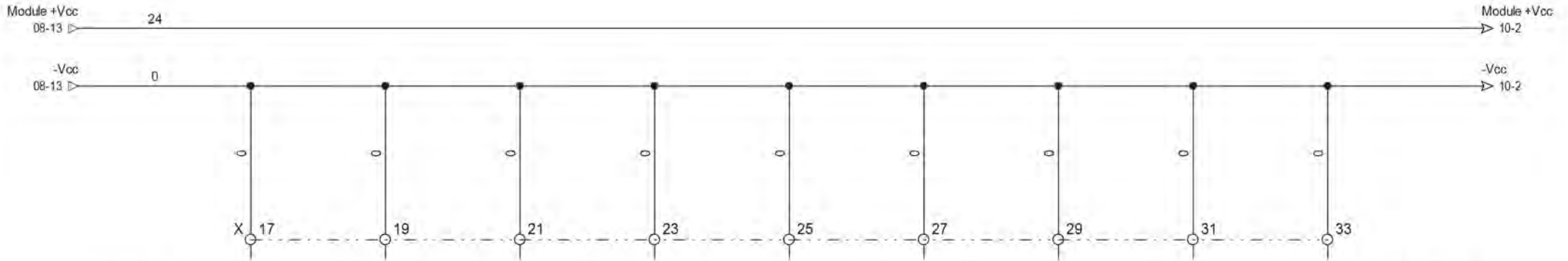
* Note1: Example given with use of a 24Vdc battery charger, but applies identically with 12Vdc



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GENSYS COMPACT MAINS HMI / CORE
STANDARD WIRING SCHEMATICS

Power supply and shield connection



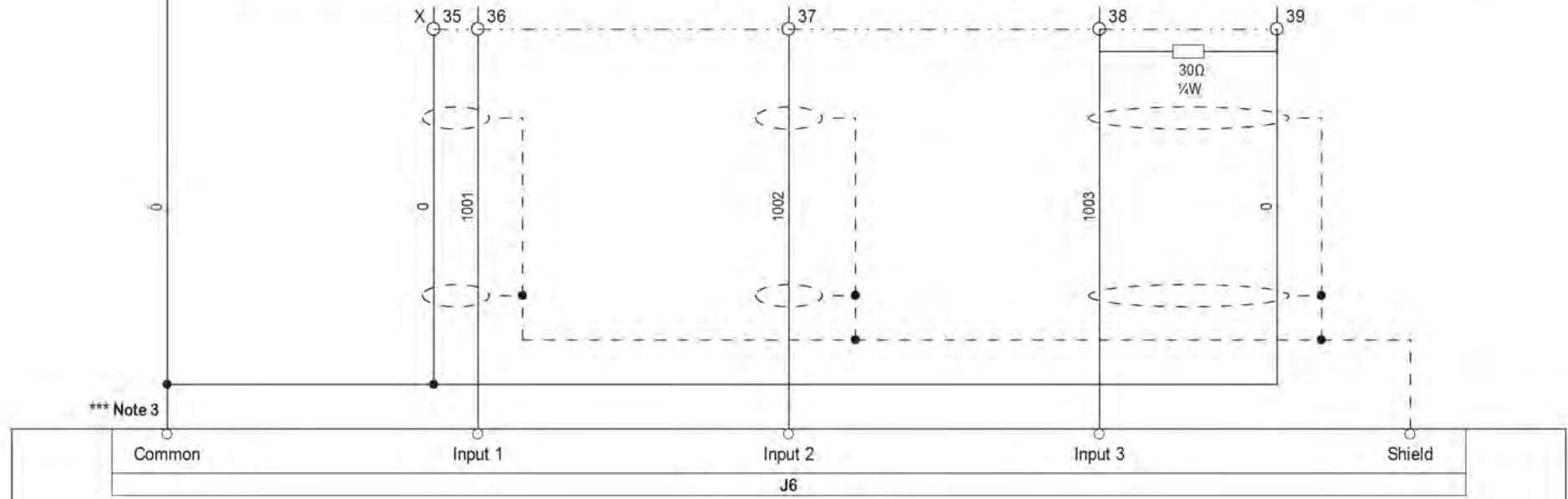
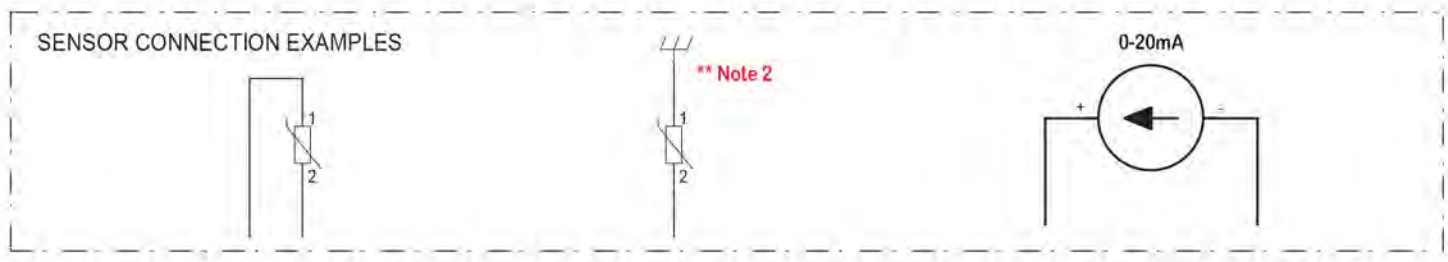
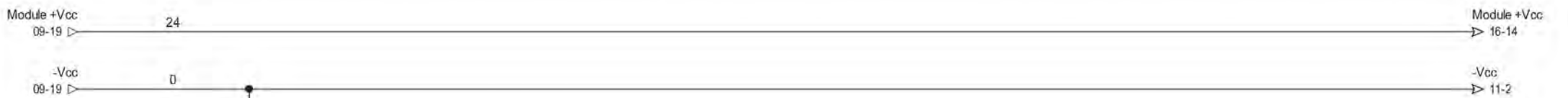
* Note 1: Default setting, can be adjusted via PC software as desired



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GENSYS COMPACT MAINS HMI / CORE
STANDARD WIRING SCHEMATICS

Digital inputs



*** Note 3

** Note 2

Configurable analog inputs

* Note 1

GENSYS COMPACT MAINS

* Note1: Analog inputs can be used with resistive sensors (max. range 0-500 Ohms), with external 20mA current transducers fitted with a 30-ohm 1/4 Watt resistor or as additional digital inputs
 ** Note2: Ensure engine body and 0Vcc are connected in case of use of a single-wire sensor
 *** Note3: The common analog input terminal must have a direct connection to the -Batt terminal of the controller



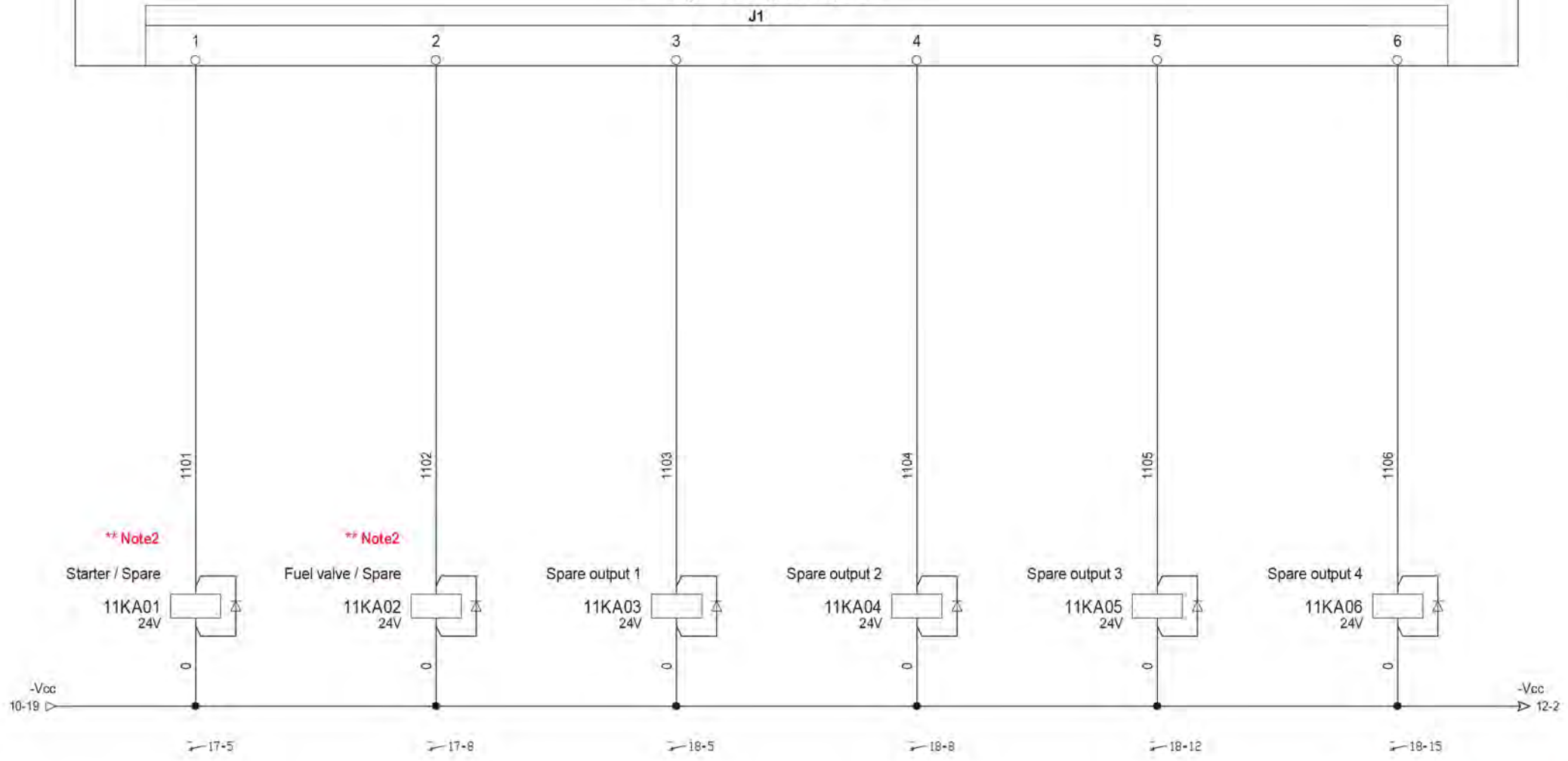
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GENSYS COMPACT MAINS HMI / CORE
STANDARD WIRING SCHEMATICS

Analog inputs

GENSYS COMPACT MAINS

Configurable digital outputs ^{* Note1}



* Note1: Maximum output current is 1.8 Amps

** Note2: External relay recommended for starter & fuel valve controls



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GENSYS COMPACT MAINS HMI / CORE
STANDARD WIRING SCHEMATICS

Digital outputs

GENSYS COMPACT MAINS

Breaker control outputs

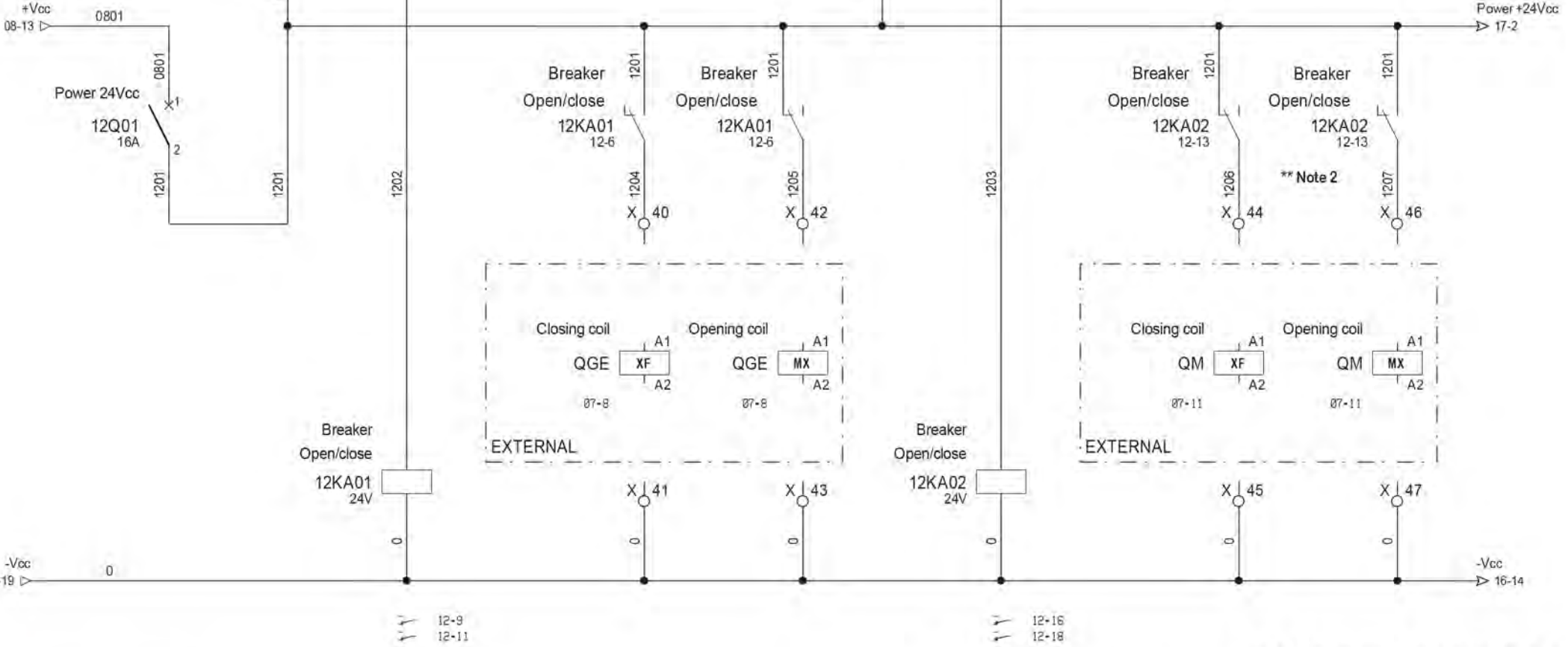
J3

RELAY 1
BREAKER OPEN / CLOSE

RELAY 2
BREAKER OPEN / CLOSE

* Note 1

* Note 1



* Note1: Default functions, adjustable via PC software

** Note2: Inverted logic can be used to prevent mains breaker opening when powering off the module

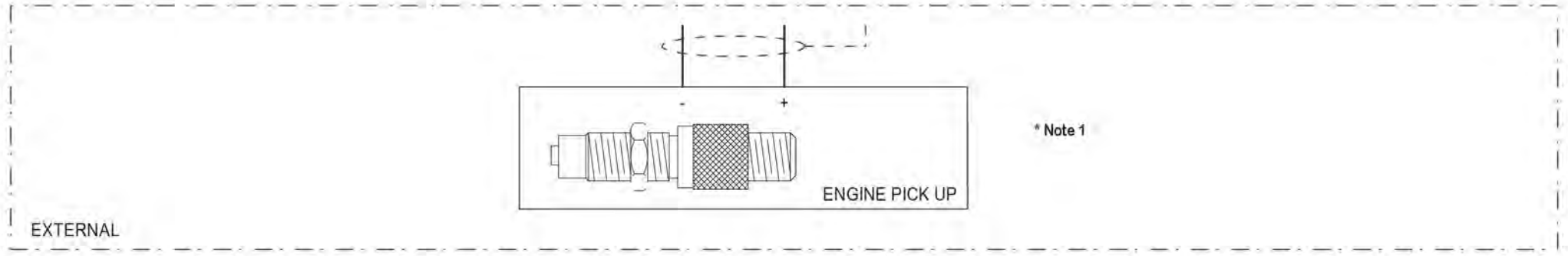
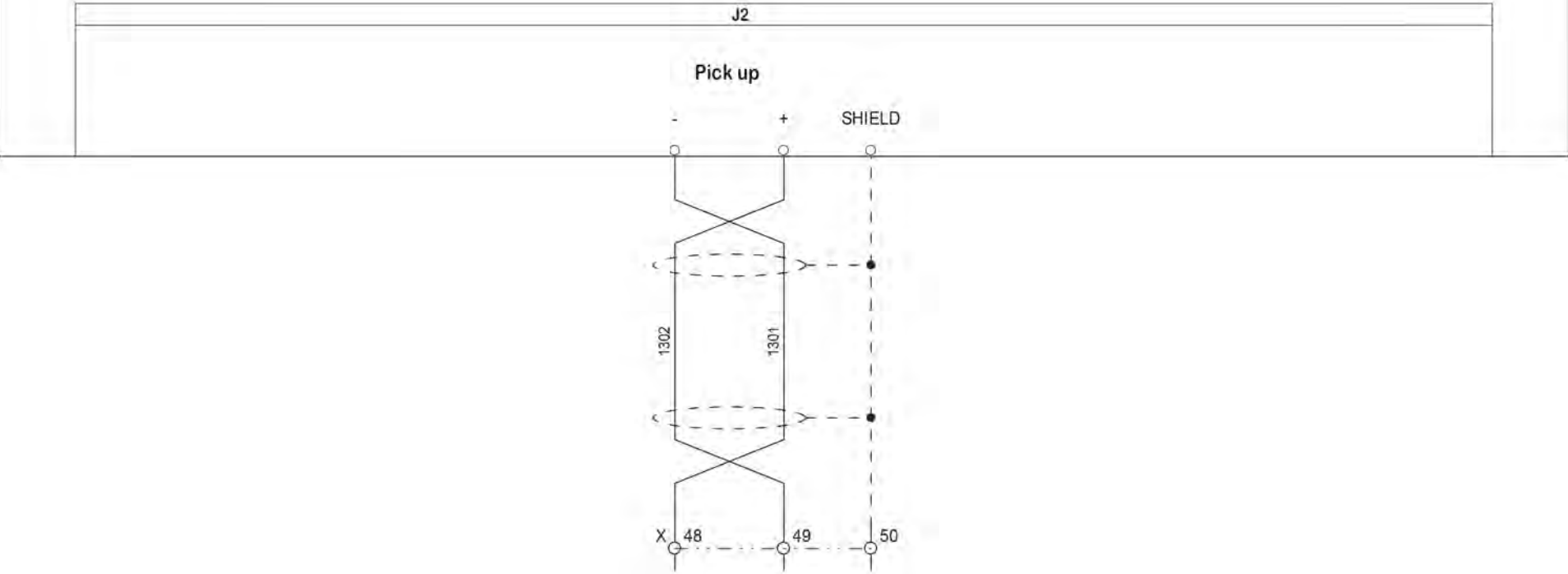


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GENSYS COMPACT MAINS HMI / CORE
STANDARD WIRING SCHEMATICS

Breaker control

GENSYS COMPACT MAINS



* Note 1

* Note1: Refer to the engine technical sheet to set the number of teeth



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GENSYS COMPACT MAINS HMI / CORE
STANDARD WIRING SCHEMATICS

Speed sensing

GENSYS COMPACT MAINS

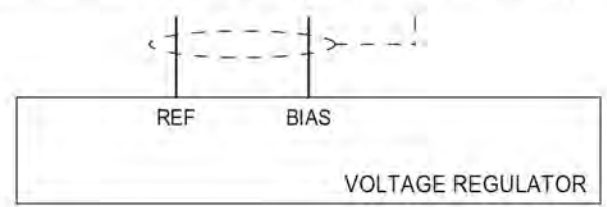
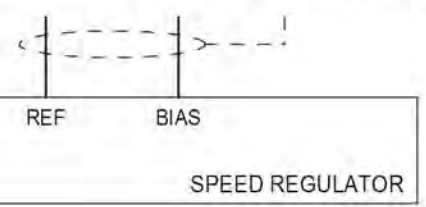
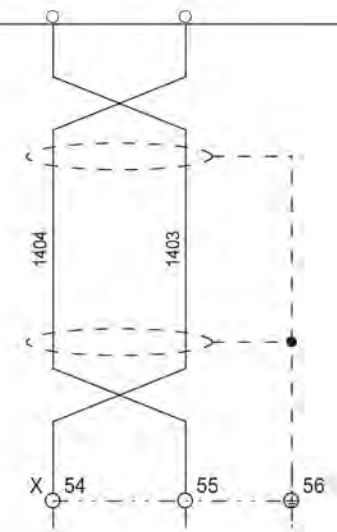
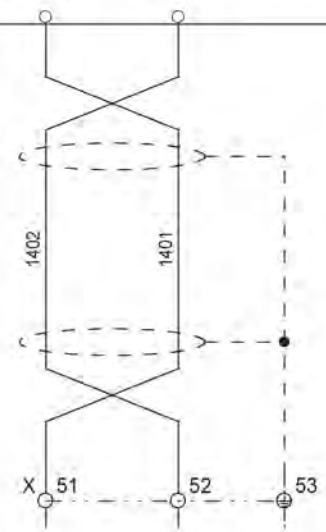
J2

Speed control output

Voltage control output

COMMON OUTPUT

COMMON OUTPUT



* Note 1

EXTERNAL

* Note1: Settings vary upon the type of regulator used. Refer to the technical sheet for more information



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GENSYS COMPACT MAINS HMI / CORE
STANDARD WIRING SCHEMATICS

Speed & voltage control

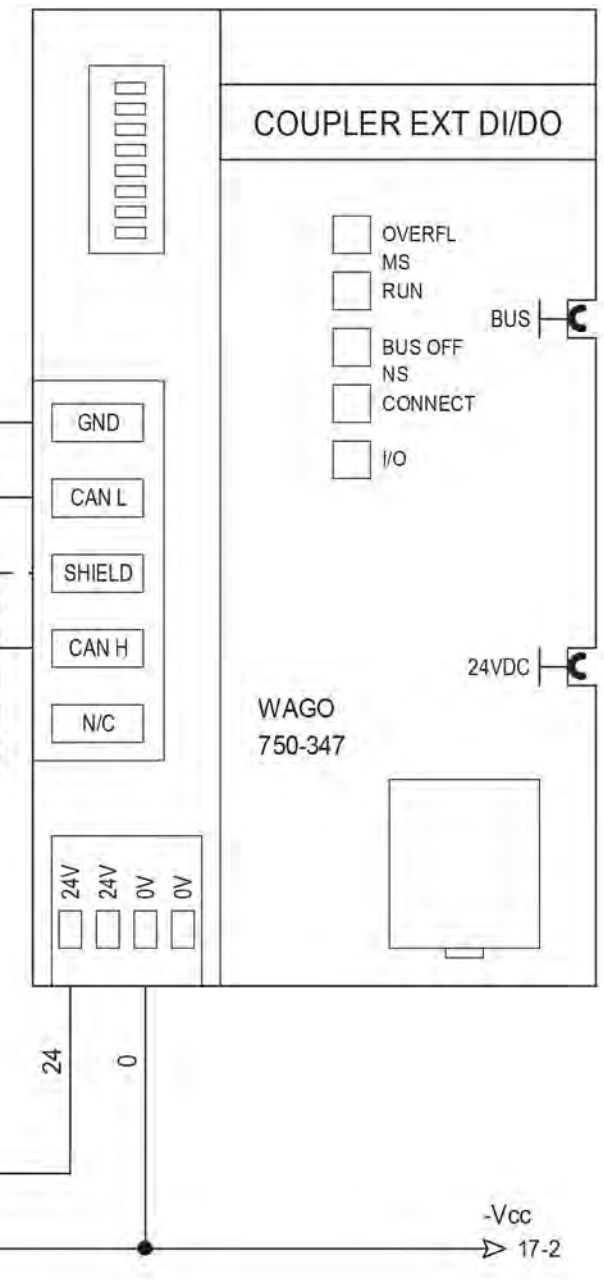
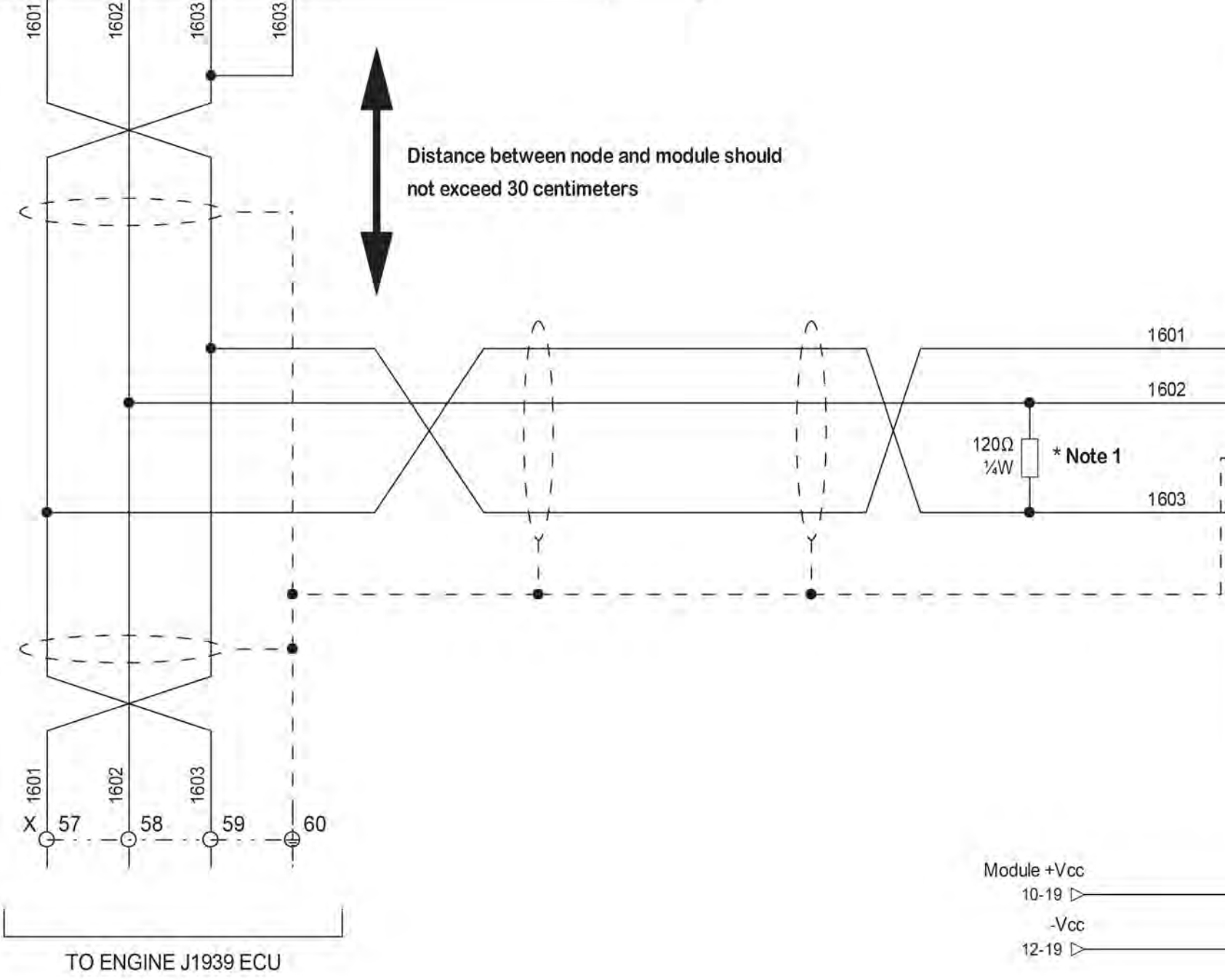
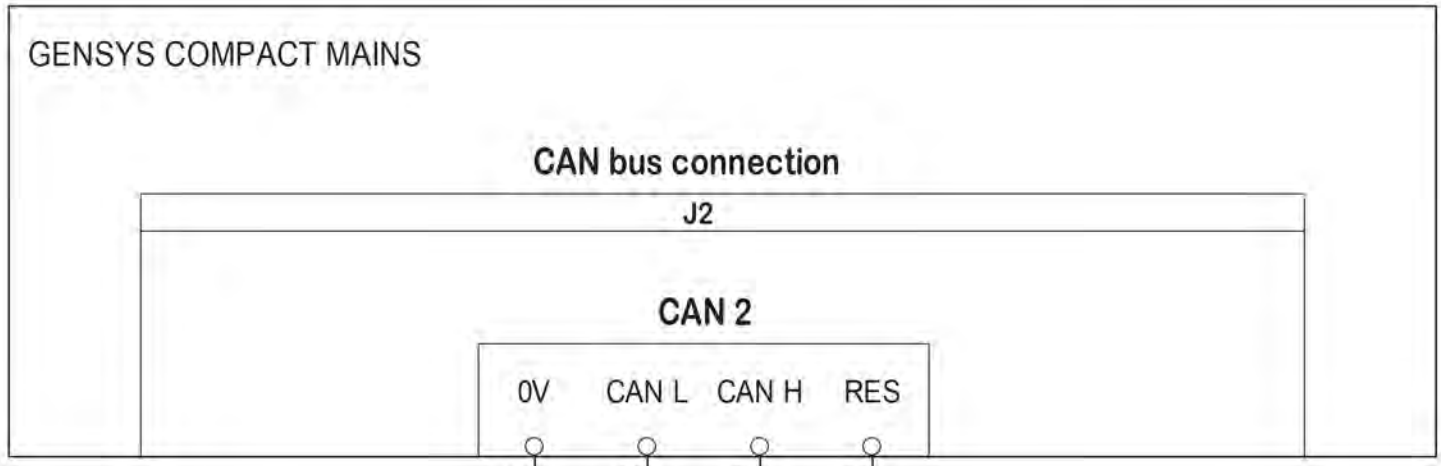
NOT USED



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**GENSYS COMPACT MAINS HMI / CORE
STANDARD WIRING SCHEMATICS**

CAN 1 connection



* Note 1

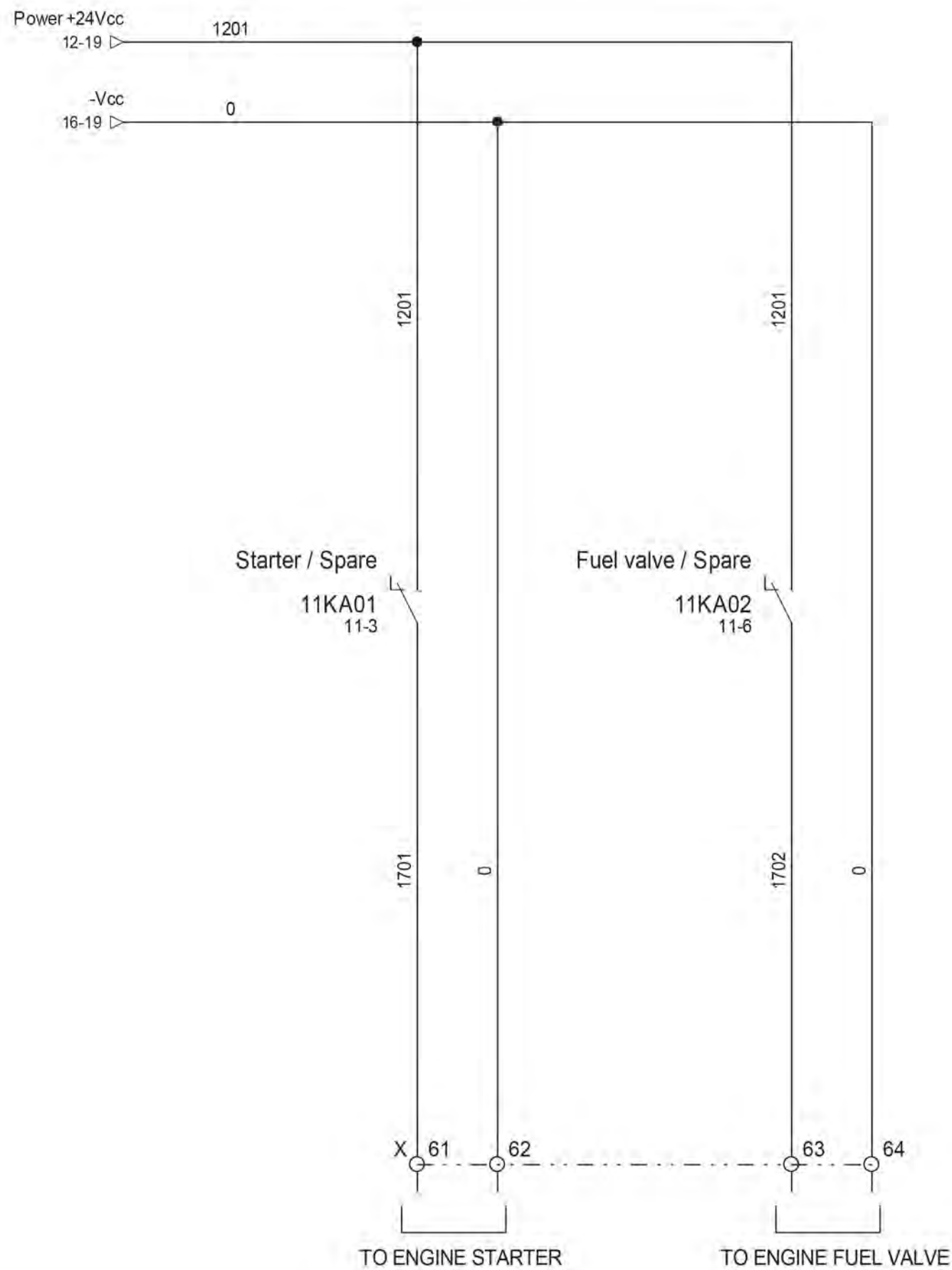
* Note1: Bus end 120-ohm resistor to be placed between CAN L and CAN H terminal on last equipment only



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GENSYS COMPACT MAINS HMI / CORE
STANDARD WIRING SCHEMATICS

CAN 2 connection

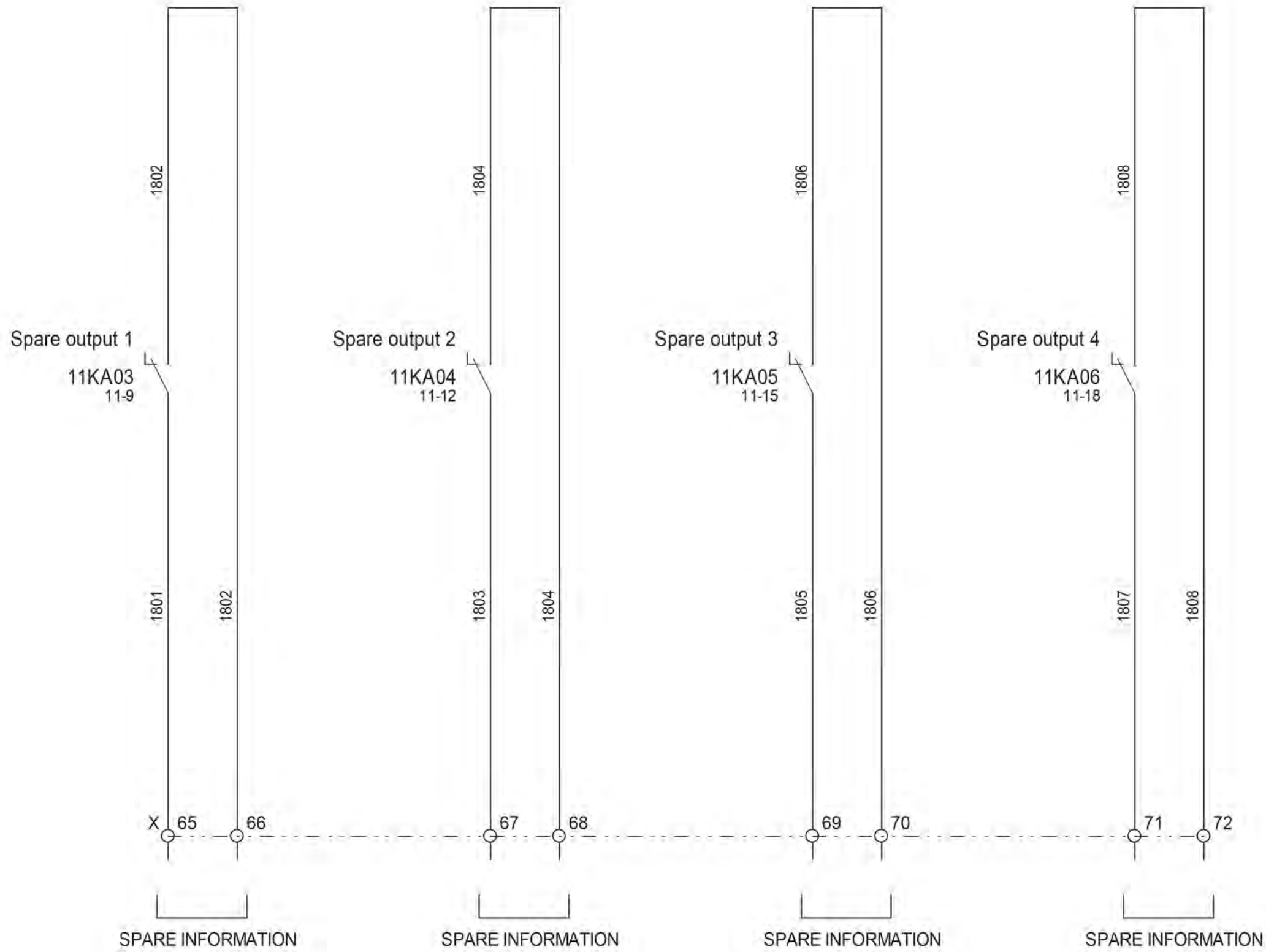


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**GENSYS COMPACT MAINS HMI / CORE
 STANDARD WIRING SCHEMATICS**

Engine control



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**GENSYS COMPACT MAINS HMI / CORE
STANDARD WIRING SCHEMATICS**

Digital output terminals