

ICENI PS-01

DATA SHEET

Description

The module provides a stabilised supply for the distributed system.

The module operates from a 24 Vdc supply and provides the power for the distributed system modules via the internal ICENIbus.

The module occupies the last position on the node.

The alarm contact will de-energise if the module has shutdown on over current, there is an internal fault or if the input voltage is outside the minimum or maximum tolerances. The module is reset by power cycling.



Features

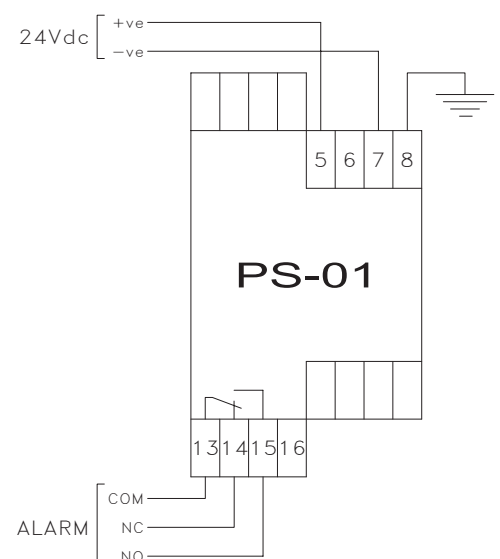
Protected input

Supply alarm output

Isolated output

Technical specification

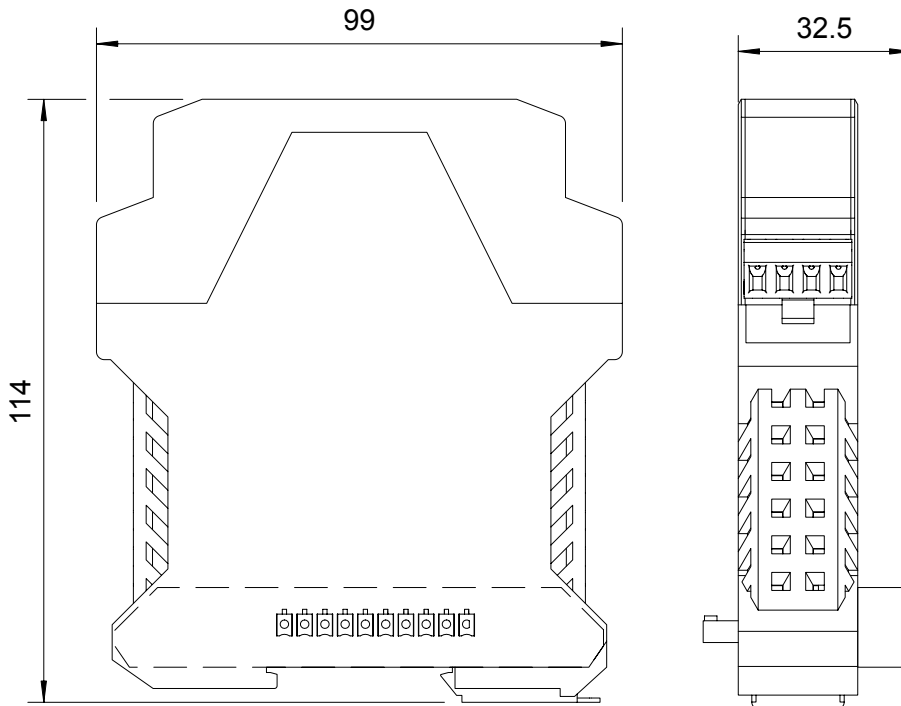
Operating temperature	-20 to +70 °C
Input	24 Vdc (nominal)
Input range	10 to 35 Vdc
Absolute maximum input	40 Vdc
Output	ICENIbus supply
Protection	reverse polarity (max. 36 Vdc) ICENIbus short circuit
Input fault detection	outside normal range
Fault indication	relay (changeover contacts)
Fault indication - switching current (max.)	1 A @ 24 Vdc
Fault indication - switching voltage (max.)	125 Vdc / 150 Vac
Fault indication - switching capacity (max.)	30 W / 60 VA
Contact material	palladium nickel, gold-rhodium covered
Initial contact resistance	< 50 mOhms
Electrical isolation - input to ICENIbus	1000 V
Electrical isolation - fault indication to ICENIbus	1000 V
ICENIbus supply loadsharing	yes - when used with PS-02
ICENIbus termination	yes



General specification

Operating temperature	-20 to +70 °C
Storage temperature	-40 to +85 °C
Mounting	35 mm DIN rail
Field wiring termination	screw (cage clamp option available)
Wiring cross section / strip length	0.14 to 1.5 mm ² / 7 mm
Enclosure material	grey polyamide
Weight	150 g
Protection	IP20

Dimensions



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