Z109S-DI

GALVANIC ISOLATOR FOR CURRENT LOOP WITH HIGH ISOLATION

- Isolation 3.500 Vac (3 way)
- Lightning impulse withstand voltage6,5 kV
- Input/Output: 0..20, 4..20 mA
- Sensor supply 2 wire technique (max 20 mA)
- Dimension 100x 112 x 18 mm (l x h x w)
- Fast mounting on DIN rail 46277
- Enclosure PBT, black color

Made in Italy

SENECA
www.seneca.it

Z109S-DI

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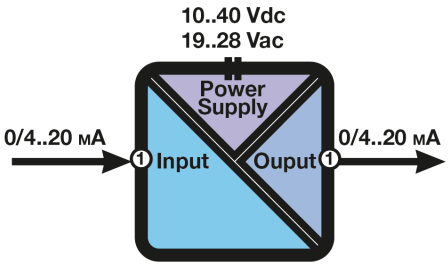


Z109S-DI is a device that allows to isolate and convert a 0/4 - 20 mA signals. The device can power also all 2-wire sensors providing a stabilized voltage of 20 V and a max current of 20 mA with short-circuit protection. A 3-way galvanic isolation of 3.500 Vac among Power supply // input // output circuits assures the integrity of your data.

TECHNICAL SPECIFICATION

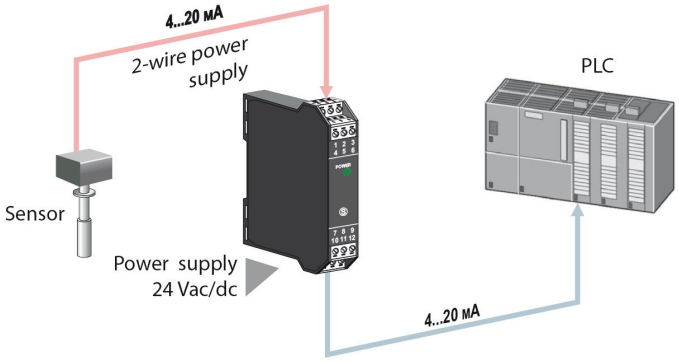
GENERAL DATA	
Power supply	10..40 Vdc; 19..28 Vac
Power consumption	2,5 W
Power transducers	Active input 2 wire (20 Vdc)
Isolation	3,5 kVac (3 way)
Insulation	Safety insulation < 300 V~ referred to ground CAT II
Input protection:	30 V continuously.
Protection Output / Power supply	Against surge pulses 400 W/ms
Status Indicators	Power
Response time	< 200 µs
Cutoff frequency	6 kHz
Errors referred to Input's measure range:	Calibration 0,2% - 10 µA Thermal coeff. 0,02%/K EMI < 1%
Protection degree	IP20
Operating Temperature	-20..+60°C
Weight	200 g
Dimension	100 x 112 x 18 mm
Enclosure	PBT, black color
Connessioni	Removable 3-way screw terminals
Mounting	DIN rail guide 35 mm

INPUT	
Channel numbers	1 (active / passive)
Type	Current 0 - 20 mA or 4 - 20 mA, 20 V~ stabilized loop supply, input impedance ~ 50 Ω

OUTPUT	
Channel numbers	1 (active / passive)
Type	Current, 0/4..20 mA Max load 600 Ω

STANDARD	
Approval	CE
Norms	EN 61010-1 EN 61000-6-2 EN 61000-6-4

APPLICATION NOTE



ORDER CODES

Code	Description
Z109S-DI	Galvanic isolator for current loop with high isolation
Z-SUPPLY	Single-phase switching power supply 24V @ 1.5A

SENECA

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