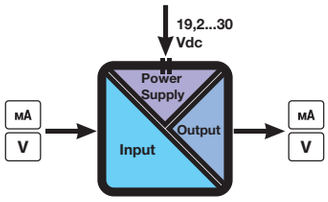


K109S

DC CURRENT / VOLTAGE TO DC CURRENT/VOLTAGE ISOLATOR/CONVERTER

(WITH POWER FOR 2-WIRE SENSORS)

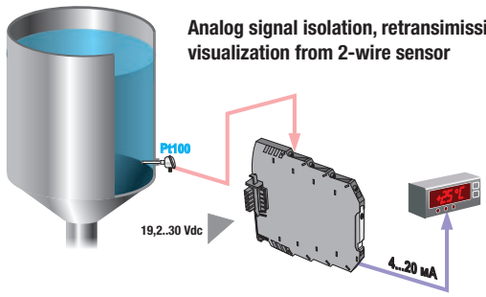


K109S is a device that accepts mA/V signals able to convert it into mA/V standard signals. The device can power also all 2-wire sensors and all parameters are configurable through dip-switches. The power supply connection is available on the terminals or a special connector (K-BUS) allows a distribution of the power supply to the modules via bus connector.
A 3-way galvanic isolation among Power supply // input // output circuits assures the integrity of your datas.

TECHNICAL SPECIFICATIONS

General Data	
Power supply	19,2…30 Vdc
Power consumption	500 mW
Isolation	1.500 Vac (3 way)
Transducer Power Supply	Yes
Accuracy	0,1%
Response time	40 ms
Status Indicators	Power supply, error
Setting	Dip Switches
Mounting	35 mm DIN rail guide
Protection Degree	IP20
Operating Temperature	-20..+65 °C
Dimension (W x H x D)	6,2 x 93 x 102,5 mm
Input	
Channel Numbers	1
Voltage	Range: 0..10 / 10..0 / 0..5 / 1..5 V Impedance: 110 kΩ
Current	Range: 4..20 / 20..4 / 0..20 / 20..0 mA (active or passive input) Impedance: 35 Ω
Output	
Channel Numbers	1
Voltage	Range: 0..10 / 10..0 / 0..5 / 1..5 V Min load resistance: 2 kΩ
Current	Range: 4..20 / 20..4 / 0..20 / 20..0 mA Max load resistance: 500 Ω Protection: 25 mA
Standard	
Approval	CE
Norms	EN 50081-2; EN 55011; EN 50082-2; EN 61000-2-2/4; EN 50140/141; EN 61010-1

APPLICATION NOTE



ORDER CODES

Code	Description
K109S	DC current/voltage to DC current/voltage isolator/converter (with power for 2-wire sensors)

ACCESSORIES & SOFTWARE



K-BUS
Backplane for power connection
pg. 114



K-SUPPLY
Redundant power supply module
pg. 114

SIMILAR PRODUCTS



K109UI
DC current / voltage to DC current/voltage isolator/ converter
pg. 103



Z109UI2
DC current / voltage to DC current/voltage isolator/ converter
pg. 80



Z109S
DC current isolator
pg. 81

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