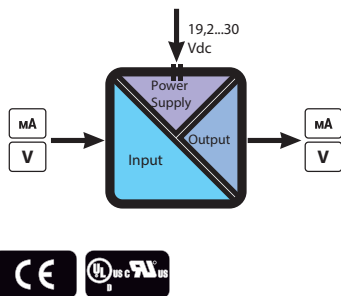


K109S

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

(WITH POWER FOR 2-WIRE SENSORS)

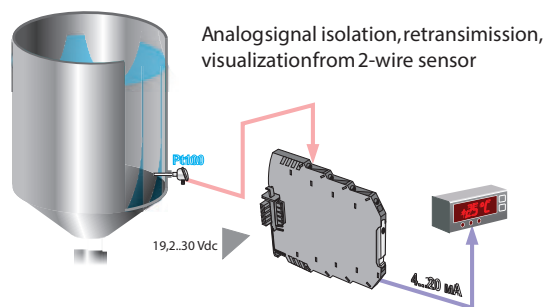


K109S is a device that accepts mA/V signals able to convert into mA/V standard signals. The device can power also all 2-wire sensors and all parameters are configurable through dip-switches. The power supply connection is available on the terminals or a special connector (K-BUS) allows a distribution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

TECHNICAL SPECIFICATIONS

General Data	
Power supply	19,2...30Vdc
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 10 kΩ
Current	Range 4..20 / 20..4 / 0..20 / 20..0 mA (active or passive input) Impedance 5 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	EN50081-2; EN55011; EN50082-2; EN61000-2-2/4; EN50140/141; EN61010-1

APPLICATION NOTE



ORDER CODES

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

ACCESSORIES & SOFTWARE

K-BUS Backplan 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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