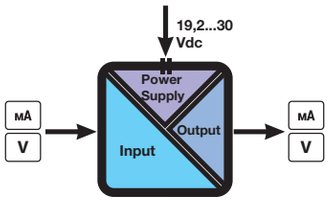


K109UI

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

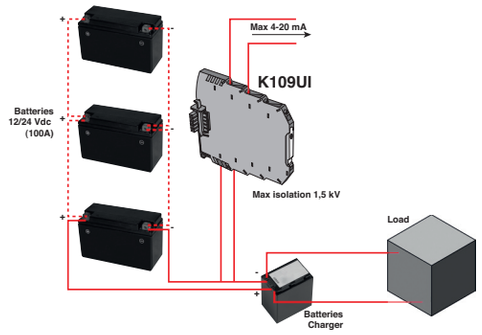


K109UI is a device that accepts mA/V signals able to convert it into mA/V standard signals. It's configurable for input up to 30V (battery voltage monitoring) and all parameters are configurable through dip-switches.
The power supply connection is available on the terminals or a special connector (K-BUS) 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	No
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 / 0..15 / 0..30 V (inversion as well) Impedance: 110 kΩ - 325 kΩ
Current	Range: 4..20 / 20..4 / 0..20 / 20..0 mA 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
K109UI	DC current / voltage to DC current/voltage isolator/converter

ACCESSORIES & SOFTWARE



K-BUS
Backplane for power connection
pg. 114



K-SUPPLY
Redundant power supply module
pg. 114

SIMILAR PRODUCTS



K109S
DC current / voltage to DC current/voltage isolator/ converter (with power for 2-wire sensors)
pg. 104



Z109UI
DC current / voltage to DC current/voltage isolator/ converter
pg. 80



Z109S
DC current isolator
pg. 81

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