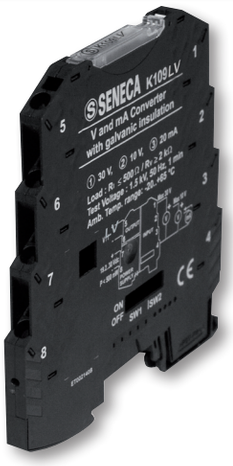
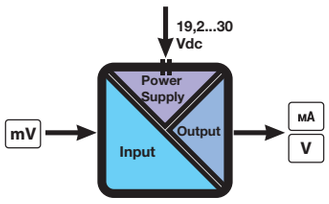


K109LV

DC LOW VOLTAGE TO DC CURRENT/VOLTAGE ISOLATOR/CONVERTER



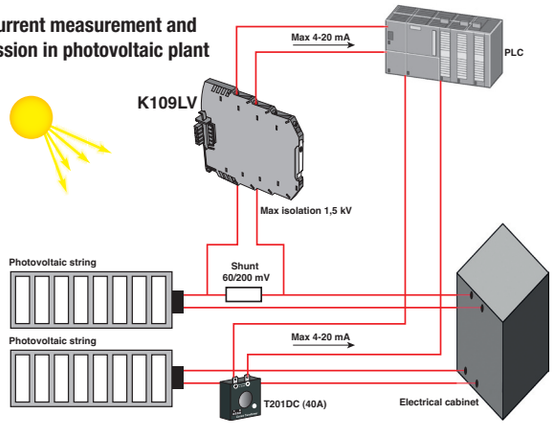
K109LV allows a conversion of the signals with mV (±25 mV.. ±2000 mV) standard into mA/V standard signals. It's useful for DC current monitoring through shunts. The power supply connection is available on the terminals or a special connector (K-BUS) allows a distribution of the power supply to the modules 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	-
Accuracy	0,1%
Response time	25 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 (mV)	Range: ±25, 50, 60, 75, 80, 100, 120, 150, 200, 250, 300, 400, 500, 1000, 2000 mV (via Dip switches)
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

String current measurement and transmission in photovoltaic plant



ORDER CODES

Code	Description
K109LV	DC Low 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

Z109REG2
Universal converter to DC current/voltage isolator converter with alarm output
pg. 78

K121
Loop powered universal converter
pg. 102

Z-4TC
4-CH thermocouple/mV input module / RS485
pg. 34