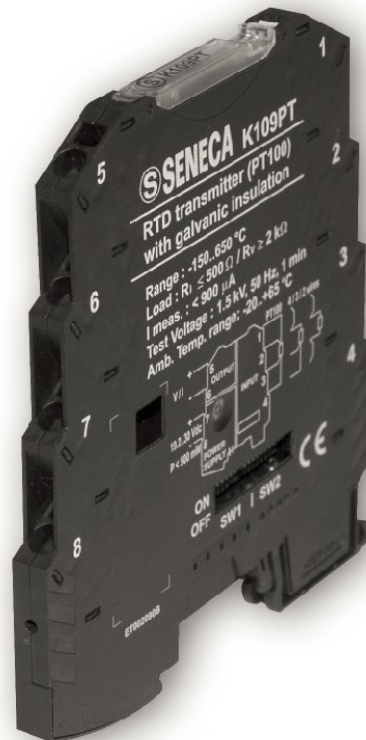


Shunt / V-I isolated converter

K-LINE

Temperature converters



- ▶ Input: setted scales from ± 25 mV up to ± 2000 mV
- Output: current 0/4..20, 20..4/0 mA or voltage 0..5/10, 10..0, 1..5 Vdc
- Vdc
- Max consumption 22 mA
- 3 way galvanic isolation: 1,5 kVac
- Measure resolution @ 14 bit
- Precision class 0,1%
- Power supply on spring-cage terminal or distributed supply with
- 2 slot connector, K-BUS
- Tiny dimensions (6,2 x 93,1 x 102,5 mm)

TECHNICAL DATA

K109PT - PT100 Converter



ORDER CODES

Code	Description
Model	K109LV Shunt / V-I isolated converter
Accessories	K-BUS Fast supply expandable connector K-SUPPLY Power supply module with surge protection

GENERAL FEATURES

- Power supply** 19,2..30 Vdc
- Channels number** 1 input, 1 output
- Thermal drift** 120 ppm/K
- Status indicators** Fault, alarm
- Isolation** 1,5 kVac (50 Hz, 1 min), digital technique
- Power on side terminals** Yes
- Hot swapping** Yes
- Max current consumption** 22 mA a 24 Vdc
- Consumption without load** 7,5 mA (at 25°C)
- Max power consumption** 500 mW
- A/D conversion** 14 bit
- Rejection** 50 – 60 Hz (programmabile)
- Settings** DIP switch
- Filter** Insertable
- Dimensions** 6,2 x 93,1 x 102,5 mm
- Processing** Floating point 32 bit
- Case, weight, colour** PBT, 45 g, nero
- Operating temperature** -20..+65 °C
- Bridge voltage supply** Bus connectors (K-BUS) can be snapped onto 35 mm DIN guide rail according to EN 60175)
- Protection degree** IP20
- Conformity** CE, EN 61010-1, EN 60742, EN 61000-6-4, EN 1000-6-2

INPUT DATA

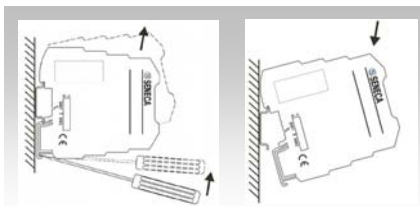
Type	SHUNT
	Range: $\pm 25, 50, 60, 75, 80, 100, 120, 150, 200, 250, 300, 400, 500, 1000, 2000$ mV (settable via Dip-switch)
Max voltage	± 50 V

OUTPUT

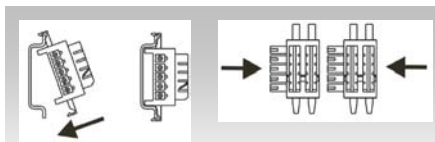
Type	VOLTAGE
	Range: 0..10/10..0/0..5/1..5 V Min load resistance: 2 k Ω
	CURRENT
	Range: 4..20/20..4/0..20/20..0 mA Max load resistance: 500 Ω Protection: 25 mA

DIMENSIONS AND INSTALLATION

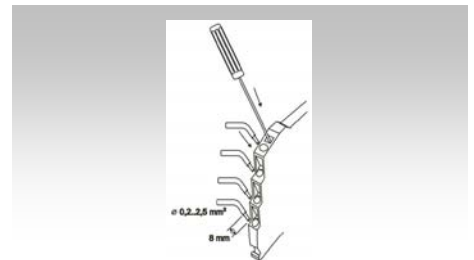
Inserting / Extracting module on DIN guide



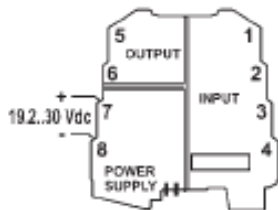
Expandable connector K-BUS



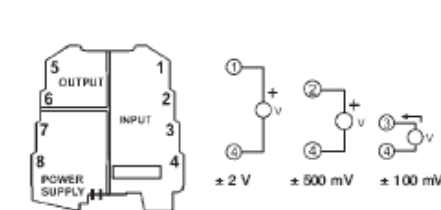
Cage clamp connection



Power supply



Input



Output

