

Signal Conditioner for Resistive Potentiometers

Standardized output signals

- 0...10V
- 0...20mA
- 4...20mA

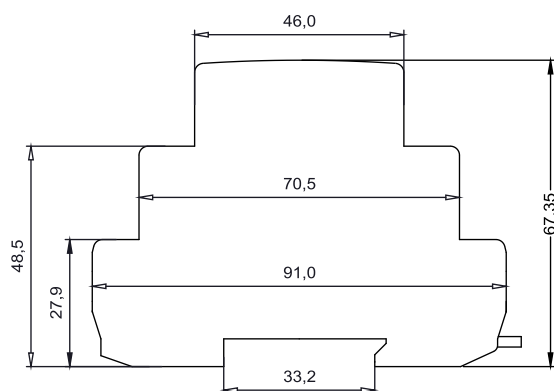
Related OPKON products;

- RTK, RTL, RTM,
- LPT, LPH, LPC, LPM, LPS,
- SLPT, SLPC, SLPS, SLPIS,



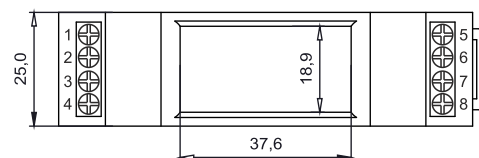
Technical specifications

Operating voltage	15..30VDC
Outputs	0...10VDC or 4...20mA or 0...20mA
Permitted potentiometer resistance	≥ 2 KOhm < 20KOhm
Reverse voltage protection	Integrated
Current consumption (without load)	Max. 5mA
Internal supply voltage for the potentiometer	10VDC
Recommended cable	3 or 4 core cable with proper shielding
Response time (10...90%FSO)	2 msec.
Typical linearity error (typical)	0,01%FSO
Dimensions	see drawing
Protection class	IP 30
Weight	Appr. 50 g
Mounting rail fixture	DIN 50022
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C



Pin Configuration

- | | |
|-----------------|---|
| 1 : Vout / Iout | 5 : REF. VOLTAGE (Potentiometer supply) |
| 2 : GND | 6 : SIGNAL INPUT |
| 3 : GND | 7 : GND (Potentiometer ground) |
| 4 : SUPPLY | 8 : EARTH |



Model	Output Type	Supply Voltage
(example) OP-SC1A	V10	V4
OP-SC1A	V10 : 0...10V I4 : 4...20mA I20 : 0...20mA	V4 : 15-30V