

Linear Potentiometer Signal conditioner for Resistive Potentiometers

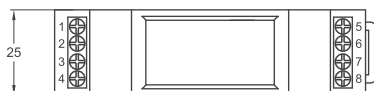
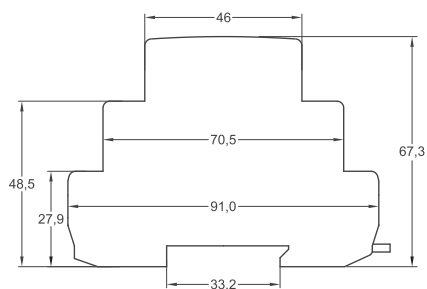
Standardized output signals

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



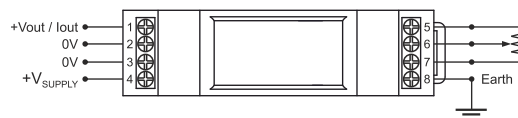
Technical specifications

Operating voltage	15 ... 30 VDC
Outputs	0 ... 10 VDC, 0 ... 20 mA or 4 ... 20 mA
Permitted potentiometer resistance	$\geq 2 \text{ KOhm} < 20 \text{ KOhm}$
Reverse voltage protection	Integrated
Current consumption (without load)	Max. 5 mA
Internal supply voltage for the potentiometer	10 VDC
Recommended cable	3 core cable with proper shielding
Typical linearity error (typical)	0,05%FSO
Dimensions	See drawing
Protection class	IP 30
Weight	50 g.
Mounting rail fixture	DIN 50022
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C



Pin Configurations

- | | | |
|-----------------|--------------------|---------------|
| 1 : Vout / Iout | 5 : +Vref (10 Vdc) | Potentiometer |
| 2 : 0V (Supply) | 6 : Signal Input | |
| 3 : 0V (Signal) | 7 : 0V | |
| 4 : +Vsupply | 8 : Earth (Shield) | |



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