

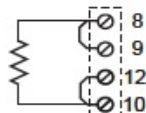
CZ109PT - RTD to DC CURRENT/ VOLTAGE CONVERTER

CZ109PT is an converter for Thermoresistance RTD (PT100, PT1000, PT500, Ni100) with 2,3,4 wires and provides a mA/V standard output signal. It's completely configurable through dip switches and software. A 3-way galvanic isolation among Power supply // input // output circuits assures the integrity of your datas.

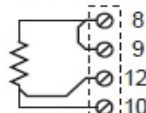


INGRESSO TERMORESISTENZA/THERMORESISTANCE INPUT PT100, NI100, PT500, PT1000

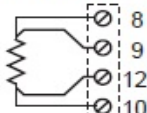
RTD 2-fili /wires



RTD 3-fili/wires

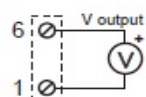


RTD 4-fili/wires



USCITA RITRASMESSA / RE-TRANSMITTED OUTPUT

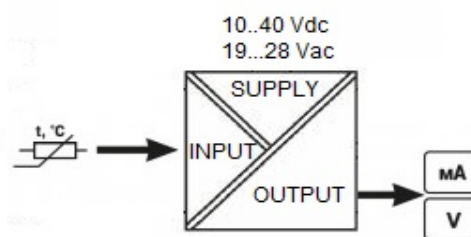
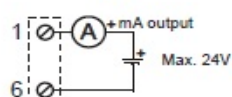
Tensione
Voltage



Corrente Impressa
Generated current
(4)



Corrente Alim. esterna
Ext Power Supply Current
(5)



TECHNICAL SPECIFICATIONS

Supply:	19...40 Vdc, 19...28Vac; 9...30Vdc (opt.)
Power consumption:	2.5 W, 1.6W at 24 VDC with 20 mA output
Isolation:	1500 Vac
Status indicators:	power on
Protection:	Outputs / Power Surge impulsive 400 W / ms
Installation category:	II
Pollution degree:	2
Protection:	IP 20
Connections:	Removable screw terminals for cables up to 2.5 mm ²
Temperature:	function: 0...+50°C
Humidity:	30...90%RH at 40°C (non-condensing)
Dimensions WxHxD:	17.5 x 100 x 112 mm
Weight:	about 200 g
Enclosure:	Nylon 6 reinforced with 30% glass fiber - flammability class V0
Assembly:	35 mm DIN rail (DIN46277)
2/3 wire RTD 100 inputs:	range selectable from 0 ... 100, 0 ... 200, 0 ... 400 ° C, the current excitement about 1mA
Resolution:	5 µV Automatic detection of TC interruption
Output:	Current 0...20 / 4...20 mA, max load 600 Ω Voltage 0 ... 5/1 ... 5/0 ... 10/2 ... 10Vdc, min load resistance 2500 Ω
Accuracy:	0.2% ,0.1% voltage output
Linearity:	0.1%
Thermal stability:	0.02% / ° C (+ 0.01% / ° C voltage output)
DIP switch:	input full scale and output type selecting
EC regulations:	EN 50081-2; EN 55011; EN 50082-2; EN 61000-2-2/4; EN 50140/141; EN 61010-1



SATEMA

13856 VIGLIANO B.SE - Via Milano, 395

Tel. +39 015811102 - 015510156 - Fax 0158853029

Mail: info@satema.it <http://www.satema.it>