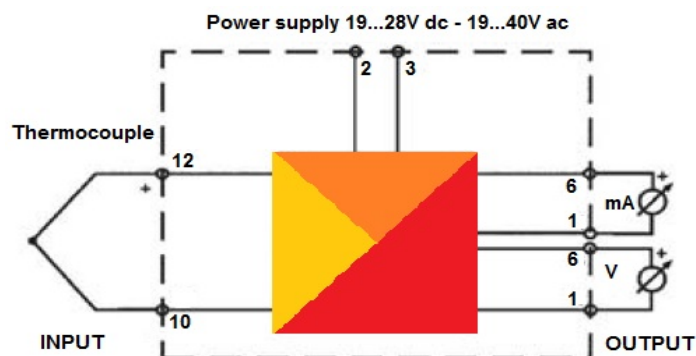


CZ109TC - THERMOCOUPLE TO DC ISOLATOR CONVERTER

CZ109TC is a converter for Thermocouples TCs (J,K, E, N, S, R, B, T) and provides a mA/V standard output signal. It's completely configurable through dip switches. A 3-way galvanic isolation among Power supply // input // output circuits assures the integrity of your datas.



TECHNICAL SPECIFICATIONS

Power supply:	19...40 Vdc, 19...28Vac; 9...30Vdc (opt.)
Power consumption:	2.5 W, 1.6W @ 24 Vdc
Isolation:	1500 Vac (3 way)
Status indicators:	Power supply, error, data transm., data reception, input status
Protection degree:	IP 20
Operating conditions:	Temperature -20...+60°C; humidity 30...90% @ 40 °C not condensing
Dimensions WxHxD:	17.5 x 100 x 112 mm
Weight:	about 140 g
Enclosure:	Nylon 6, 30% fiber glass - flammability class V0
Mounting:	35 mm DIN rail guide
Thermocouple input:	J=-200/+1000°C; K=-200/+1300°C; R and S= 0/+1750°C; T=-200/+400°C; E=-200/+800°C; B=0/+1800°C; N=-200/+1300°C
Resolution:	5 µV Automatic detection thermocouple interrupt
Output:	Current 0...20 / 4...20 mA, active/passive, max load 600 Ohm Voltage 0...5/1...5/0...10/2...10Vdc, load >2,5 kOhm, resolution 0.025% / 0.032%
Accuracy:	0.2% direct reading, (0.1% d.r. voltage output)
Linearity:	1°C, 3°C Ternocouple over 600 °C 0.1% voltage output
Thermal stability:	0.02%/°C (+0.01%/°C voltage output)
Cold junction compensat.:	0.5°C between 10 and 40°C
Sample time:	3 reading/second
DIP switch:	Selection span, output mode and type TC, zero and span input
CE Norms:	EN61000-6-4; EN61000-6-2; EN61010-1



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