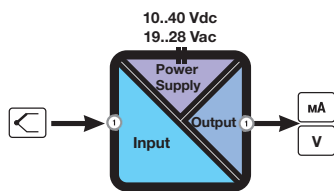




Z109TC

THERMOCOUPLE TO DC CURRENT/VOLTAGE ISOLATOR/CONVERTER



Z109TC 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

General Data

Power supply	10..40 Vdc / 19..28 Vac / 50-60 Hz
Power consumption	2,5 W
Isolation	1.500 Vac (3 way)
Power transducers	Yes
Status Indicators	Power supply, error, data transmission, data reception, input status
Accuracy	0,1%
Response time	330 ms
Setting	Dip- switches
Mounting	35 mm DIN rail guide
Protection Degree	IP20
Operating Temperature	-10..+60 °C
Dimension (W x H x D)	17.5 x 100 x 112 mm

Input

Channel Numbers	1
Thermocouple	Type J, K, R, S, T, E, B, N Resolution 5 µV

Output

Channel Numbers	1
Voltage	4 scales: 0..1, 0..5, 0..10, 2..10 V Min load resistance: 2.000 Ω
Current	2 scales: 0/4..20 mA (active/passive) Max load resistance: 600 Ω

Standard

Approval	CE
Norms	EN 50081-2; EN 55011; EN 50082-2; EN 61000-2-2/4; EN 50140/141; EN 61010-1

ORDER CODES

Code	Description
Z109TC	Thermocouple to DC isolator / converter, Power supply 10..40 Vdc / 19..28 Vac

ACCESSORIES & SOFTWARE



PM001601
Programming cable
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EASY SETUP
Programming software
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SIMILAR PRODUCTS



K121
Loop powered isolator / universal converter
pg. 102



K109TC
TC to DC current/voltage isolator / converter (with trip alarm)
pg. 110



T121
Isolated loop powered temperature transmitter
pg. 117



Z109REG2
Universal converter to DC current/voltage isolator converter with alarm output
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