

MIRO TEMP. CONVERTER PT100 - 2/3-LEAD METHOD

IN: 0°C..+200°C - OUT:0..10 V / (0)4..20 mA

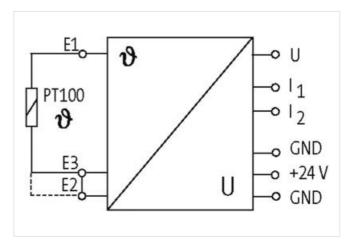
INPUT: 0...200 °C Spring clamp terminals

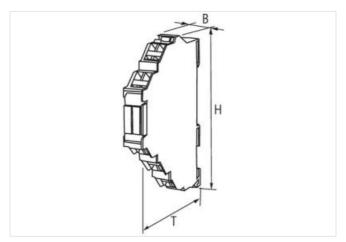
Murrelektronik's temperature converters convert a temperature into the usual signal variables (0...10 V, 4...20 mA, 0...20 mA) in conjunction with a PT100 temperature sensor (IEC 751/EN 60751). For this purpose, the MTW modules supply a constant current which causes a voltage drop at the PT100 resistor. This is linearized and converted into the corresponding output signals at the OUT terminals. All 3 signals can be used simultaneously. The 2-wire technique can be used for short distances between PT100 sensor and MTW module (<5 m). The 3-wire measuring method must be used for longer distances to compensate the measuring line resistance. For this purpose, a 3rd line (same length and design as the two measuring lines) is required. In this case, the factory-equipped bridge connecting E2 and E3 must be removed.

Link to Product

Illustration







Product may differ from Image



Commercial data

ECLASS-6.0 27210990



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ECLASS-6.1	27210190
ECLASS-7.0	27210190
ECLASS-8.0	27210190
ECLASS-9.0	27210129
ECLASS-10.1	27210129
ECLASS-11.1	27210129
ECLASS-11.1	27210129
ETIM-5.0	EC001446
customs tariff number	85437090
GTIN	4048879022347
Packaging unit	1
Electrical data	
Accuracy (of full scale)	1 %
Electrical data Supply	
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Operating current max.	80 mA
Electrical data Output	
Load max.	25 mA
Working resistance max.	500 Ω
Device protection Electrical	
Overload protection output	yes
Mechanical data Mounting data	,
Mounting method	geschnappt
Suitable for mounting type	mounting rail, (EN 60715)
Height	90 mm
Width	12,4 mm
Depth	70 mm
	•
Environmental characteristics Climatic	
Operating temperature min.	0 ℃
Operating temperature max.	60 °C
Connection type 7	
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
Color contact carrier	green
No. of poles	2
PIN 1	+ 24 V DC
PIN 2	- 24 V DC
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
Color contact carrier	green
No. of poles	2
PIN 1	E 3
PIN 2	E 2
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
	- Constant

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-05



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Color contact carrier	green
No. of poles	2
PIN 2	E1
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
Color contact carrier	green
No. of poles	2
PIN 1	U
PIN 2	0 V
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
Color contact carrier	green
No. of poles	2
PIN 1	I1
PIN 2	12
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
Color contact carrier	green
No. of poles	2
PIN 1	24 V DC
PIN 2	0 V
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
Color contact carrier	green
No. of poles	2
PIN 1	In 1
PIN 2	12