

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

IN: -50°C..+150°C - OUT:0..10 V / (0)4..20 mA

INPUT: -50...+150 °C

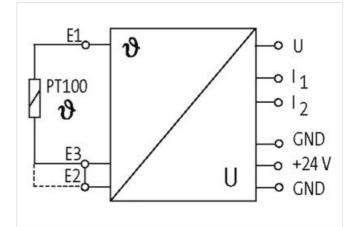
Screw terminals

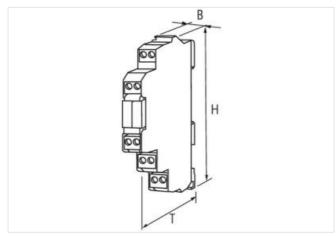
Murrelektronik's temperature converters convert a temperature into the usual signal variables (0...10 V, 4...20 mA, 0...20 mA) in conjunction with a PT100 temperature sensor (IEC 751/ EN 60751). For this purpose, the MTW modules supply a constant current which causes a voltage drop at the PT100 resistor. 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

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27210990



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-12.0	27210129
ETIM-5.0	EC001446
customs tariff number	85437090
GTIN	4048879028257
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
	000.75
Device protection Electrical	
Overload protection output	yes
Mechanical data Mounting data	
Mounting method	geschnappt
Suitable for mounting type	mounting rail, (EN 60715)
Suitable for mounting type Height	mounting rail, (EN 60715) 90 mm
Suitable for mounting type Height Width	mounting rail, (EN 60715) 90 mm 12,4 mm
Suitable for mounting type Height Width Depth	mounting rail, (EN 60715) 90 mm
Suitable for mounting type Height Width	mounting rail, (EN 60715) 90 mm 12,4 mm
Suitable for mounting type Height Width Depth	mounting rail, (EN 60715) 90 mm 12,4 mm
Suitable for mounting type Height Width Depth Environmental characteristics Climatic	mounting rail, (EN 60715) 90 mm 12,4 mm 70 mm
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Suitable for mounting type Height Width Depth Environmental characteristics Climatic Operating temperature min. Operating temperature max.	mounting rail, (EN 60715) 90 mm 12,4 mm 70 mm 0 °C
Suitable for mounting type Height Width Depth Environmental characteristics Climatic Operating temperature min. Operating temperature max. Connection type 10	mounting rail, (EN 60715) 90 mm 12,4 mm 70 mm 0 °C 60 °C
Suitable for mounting type Height Width Depth Environmental characteristics Climatic Operating temperature min. Operating temperature max. Connection type 10 Connection type 2 Connection type 3	mounting rail, (EN 60715) 90 mm 12,4 mm 70 mm 0 °C 60 °C X1
Suitable for mounting type Height Width Depth Environmental characteristics Climatic Operating temperature min. Operating temperature max. Connection type 10 Connection type 1 Connection type 3 Connection type 4	mounting rail, (EN 60715) 90 mm 12,4 mm 70 mm 0 °C 60 °C X1 X2
Suitable for mounting type Height Width Depth Environmental characteristics Climatic Operating temperature min. Operating temperature max. Connection type 10 Connection type 2 Connection type 3	mounting rail, (EN 60715) 90 mm 12,4 mm 70 mm 0 °C 60 °C X1 X2 X3 X4 X5
Suitable for mounting type Height Width Depth Environmental characteristics Climatic Operating temperature min. Operating temperature max. Connection type 10 Connection type 2 Connection type 3 Connection type 4 Connection type 5 Connection	mounting rail, (EN 60715) 90 mm 12,4 mm 70 mm 0 °C 60 °C X1 X2 X3 X4
Suitable for mounting type Height Width Depth Environmental characteristics Climatic Operating temperature min. Operating temperature max. Connection type 10 Connection type 2 Connection type 3 Connection type 4 Connection type 5 Connection Family construction form	mounting rail, (EN 60715) 90 mm 12,4 mm 70 mm 0 °C 60 °C X1 X2 X3 X4 X5
Suitable for mounting type Height Width Depth Environmental characteristics Climatic Operating temperature min. Operating temperature max. Connection type 10 Connection type 1 Connection type 2 Connection type 3 Connection type 4 Connection type 5 Connection Family construction form Gender	mounting rail, (EN 60715) 90 mm 12,4 mm 70 mm 0 °C 60 °C X1 X2 X3 X4 X5 Screw terminals SK
Suitable for mounting type Height Width Depth Environmental characteristics Climatic Operating temperature min. Operating temperature max. Connection type 10 Connection type 1 Connection type 2 Connection type 3 Connection type 4 Connection type 5 Connection Family construction form Gender Color contact carrier	mounting rail, (EN 60715) 90 mm 12,4 mm 70 mm 0 °C 60 °C X1 X2 X3 X4 X5 Screw terminals SK terminal female green
Suitable for mounting type Height Width Depth Environmental characteristics Climatic Operating temperature min. Operating temperature max. Connection type 10 Connection type 2 Connection type 3 Connection type 4 Connection type 5 Connection Family construction form Gender Color contact carrier No. of poles	mounting rail, (EN 60715) 90 mm 12,4 mm 70 mm 0 °C 60 °C X1 X2 X3 X4 X5 Screw terminals SK terminal female green 2
Suitable for mounting type Height Width Depth Environmental characteristics Climatic Operating temperature min. Operating temperature max. Connection type 10 Connection type 1 Connection type 2 Connection type 3 Connection type 4 Connection type 5 Connection Family construction form Gender Color contact carrier No. of poles PIN 1	mounting rail, (EN 60715) 90 mm 12,4 mm 70 mm 0 °C 60 °C X1 X2 X3 X4 X5 Screw terminals SK terminal female green 2 n.c.
Suitable for mounting type Height Width Depth Environmental characteristics Climatic Operating temperature min. Operating temperature max. Connection type 10 Connection type 2 Connection type 3 Connection type 4 Connection type 5 Connection Family construction form Gender Color contact carrier No. of poles	mounting rail, (EN 60715) 90 mm 12,4 mm 70 mm 0 °C 60 °C X1 X2 X3 X4 X5 Screw terminals SK terminal female green 2
Suitable for mounting type Height Width Depth Environmental characteristics Climatic Operating temperature min. Operating temperature max. Connection type 10 Connection type 1 Connection type 2 Connection type 3 Connection type 4 Connection type 5 Connection Family construction form Gender Color contact carrier No. of poles PIN 1	mounting rail, (EN 60715) 90 mm 12,4 mm 70 mm 0 °C 60 °C X1 X2 X3 X4 X5 Screw terminals SK terminal female green 2 n.c.
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PIN 1	0 V
PIN 2	U
Connection	Screw terminals SK
Family construction form	terminal
Gender	female
Color contact carrier	green
No. of poles	2
PIN 1	E3
PIN 2	E2
Connection	Screw terminals SK
Family construction form	terminal
Gender	female
Color contact carrier	green
No. of poles	2
PIN 1	2
PIN 2	11
Connection	Screw terminals SK
Family construction form	terminal
Gender	female
Color contact carrier	green
No. of poles	2
PIN 1	24 V DC
PIN 2	0 V
Connection	Screw terminals SK
Family construction form	terminal
Gender	female
No. of poles	2
PIN 1	+ 24 V DC
PIN 2	- 24 V DC
PIN 2 Connection	- 24 V DC Screw terminals SK
Connection	Screw terminals SK
Connection Family construction form	Screw terminals SK terminal
Connection Family construction form Gender	Screw terminals SK terminal female
Connection Family construction form Gender No. of poles	Screw terminals SK terminal female 2
Connection Family construction form Gender No. of poles PIN 1	Screw terminals SK terminal female 2 E 3
Connection Family construction form Gender No. of poles PIN 1 PIN 2	Screw terminals SK terminal female 2 E 3 E 2
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