

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

IN: 0°C...+100°C - OUT: 0...10 V / (0)4...20 mA

Art.No.: 44332

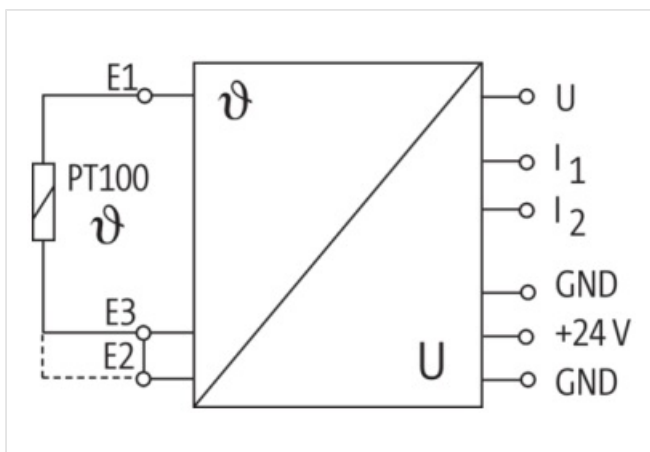
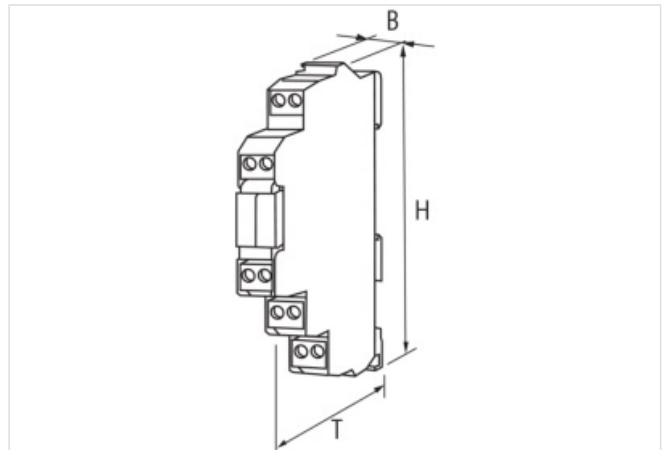
Weight: 0.054

Country of origin: CZ

Model designation: MTW- 0-100C MIRO 2/3-LEITER

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. INPUT: 0...100 °C

Screw terminals

[Link to Product](#)**Illustration**

Product may differ from Image



Header	
Material short text	MTW- 0-100C MIRO 2/3-LEITER
Commercial data	
URL Webshop	https://shop.murrelektronik.com/44332
GTIN	4048879028240
ECLASS-6.0	27210990
ECLASS-6.1	27210190
ECLASS-7.0	27210190
ECLASS-7.1	27210190
ECLASS-8.0	27210190
ECLASS-8.1	27210190
ECLASS-9.0	27210129
ECLASS-9.1	27210129
ECLASS-10.0.1	27210129
ECLASS-10.1	27210129
ECLASS-11.0	27210129
ECLASS-11.1	27210129
ECLASS-12.0	27210129
ECLASS-13.0	27210129
ECLASS-14.0	27210129
ETIM-5.0	EC001446
ETIM-6.0	EC001446
ETIM-7.0	EC001446
ETIM-8.0	EC001446
customs tariff number	85437090
EAN	4048879028240
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	
Working resistance max.	500 Ω
Load max.	25 mA
Device protection Electrical	
Overload protection output	yes
Mechanical data Mounting data	
Height	90 mm
Width	12.4 mm
Depth	70 mm
Mounting method	geschnappt
Suitable for mounting type	(EN 60715), mounting rail
Environmental characteristics Climatic	
Operating temperature min.	0 °C
Operating temperature max.	60 °C
Connection type 10	
Connection type 1	X1

Connection type 2	X2
Connection type 3	X3
Connection type 4	X4
Connection type 5	X5
Family construction form	terminal
No. of poles	2
Gender	female
Color contact carrier	green
Connection	Screw terminals SK
PIN 1	n.c.
PIN 2	E 1
Family construction form	terminal
No. of poles	2
Gender	female
Color contact carrier	green
Connection	Screw terminals SK
PIN 1	0 V
PIN 2	U
Family construction form	terminal
No. of poles	2
Gender	female
Color contact carrier	green
Connection	Screw terminals SK
PIN 1	E 3
PIN 2	E 2
Family construction form	terminal
No. of poles	2
Gender	female
Color contact carrier	green
Connection	Screw terminals SK
PIN 1	I 2
PIN 2	I 1
Family construction form	terminal
No. of poles	2
Gender	female
Color contact carrier	green
Connection	Screw terminals SK
PIN 1	24 V DC
PIN 2	0 V
Family construction form	terminal
No. of poles	2
Gender	female
Connection	Screw terminals SK
PIN 1	+ 24 V DC
PIN 2	- 24 V DC
Family construction form	terminal
No. of poles	2
Gender	female
Connection	Screw terminals SK
PIN 1	E 3
PIN 2	E 2
Family construction form	terminal
No. of poles	2

Gender	female
Connection	Screw terminals SK
PIN 2	E 1
Family construction form	terminal
No. of poles	2
Gender	female
Connection	Screw terminals SK
PIN 1	U
PIN 2	0 V
Family construction form	terminal
No. of poles	2
Gender	female
Connection	Screw terminals SK
PIN 1	I 1
PIN 2	I 2