

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

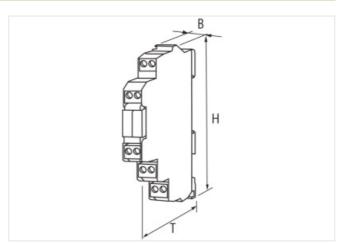
Murrelektronik's temperature converters convert a temperature into the usual signal variables (0...10 V, 4...20 mA, 0...20 mA) in conjunction with a PT100 temperature sensor (IEC 751/EN 60751). For this purpose, the MTW modules supply a constant current which causes a voltage drop at the PT100 resistor.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

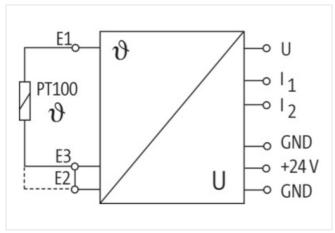
Screw terminals

Link to Product

Illustration







Product may differ from Image





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Header	
Material short text	MTW- 0-100C MIRO 2/3-LEITER
Commercial data	
	https://ehop.murrolektronik.com/44999
URL Webshop GTIN	https://shop.murrelektronik.com/44332 4048879028240
ECLASS-6.0	27210990
ECLASS-6.0	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

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: 2025-10-25



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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	E1
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 No. of poles	terminal 2
Gender	
	female
Color contact carrier	green
Connection	Screw terminals SK
PIN 1	E3
PIN 2	E 2
Family construction form	terminal
No. of poles	2
Gender	female
Color contact carrier	green
Connection	Screw terminals SK
PIN 1	12
PIN 2	I1
Eamily construction form	
Family construction form	terminal
No. of poles	terminal 2
No. of poles	2
No. of poles Gender Color contact carrier	2 female green
No. of poles Gender	2 female
No. of poles Gender Color contact carrier Connection PIN 1	2 female green Screw terminals SK
No. of poles Gender Color contact carrier Connection PIN 1 PIN 2	2 female green Screw terminals SK 24 V DC
No. of poles Gender Color contact carrier Connection PIN 1 PIN 2 Family construction form	female green Screw terminals SK 24 V DC 0 V terminal
No. of poles Gender Color contact carrier Connection PIN 1 PIN 2 Family construction form No. of poles	female green Screw terminals SK 24 V DC 0 V terminal 2
No. of poles Gender Color contact carrier Connection PIN 1 PIN 2 Family construction form	female green Screw terminals SK 24 V DC 0 V terminal 2 female
No. of poles Gender Color contact carrier Connection PIN 1 PIN 2 Family construction form No. of poles Gender Connection	female green Screw terminals SK 24 V DC 0 V terminal 2 female Screw terminals SK
No. of poles Gender Color contact carrier Connection PIN 1 PIN 2 Family construction form No. of poles Gender Connection PIN 1	2 female green Screw terminals SK 24 V DC 0 V terminal 2 female Screw terminals SK + 24 V DC
No. of poles Gender Color contact carrier Connection PIN 1 PIN 2 Family construction form No. of poles Gender Connection PIN 1 PIN 2	female green Screw terminals SK 24 V DC 0 V terminal 2 female Screw terminals SK + 24 V DC - 24 V DC
No. of poles Gender Color contact carrier Connection PIN 1 PIN 2 Family construction form No. of poles Gender Connection PIN 1 PIN 2 Family construction form	female green Screw terminals SK 24 V DC 0 V terminal 2 female Screw terminals SK + 24 V DC - 24 V DC terminal
No. of poles Gender Color contact carrier Connection PIN 1 PIN 2 Family construction form No. of poles Gender Connection PIN 1 PIN 2 Family construction form No. of poles	female green Screw terminals SK 24 V DC 0 V terminal 2 female Screw terminals SK + 24 V DC - 24 V DC - 24 V DC terminal
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No. of poles Gender Color contact carrier Connection PIN 1 PIN 2 Family construction form No. of poles Gender Connection PIN 1 PIN 2 Family construction form No. of poles Gender Connection PIN 1 PIN 2 Family construction form No. of poles Gender Connection Connection	2 female green Screw terminals SK 24 V DC 0 V terminal 2 female Screw terminals SK + 24 V DC - 24 V DC - 24 V DC terminal 2 female Screw terminals SK
No. of poles Gender Color contact carrier Connection PIN 1 PIN 2 Family construction form No. of poles Gender Connection PIN 1 PIN 2 Family construction form No. of poles Gender Connection PIN 1 PIN 2 Family construction form No. of poles Gender Connection PIN 1 PIN 2 Family construction form No. of poles Gender Connection PIN 1	2 female green Screw terminals SK 24 V DC 0 V terminal 2 female Screw terminals SK + 24 V DC - 24 V DC terminal 2 female Screw terminals SK + 25 V DC terminal 2 female Screw terminal 2 female Screw terminal
No. of poles Gender Color contact carrier Connection PIN 1 PIN 2 Family construction form No. of poles Gender Connection PIN 1 PIN 2 Family construction form No. of poles Gender Connection PIN 1 PIN 2 Family construction form No. of poles Gender Connection PIN 1 PIN 2 PIN 2 PIN 1 PIN 2	2 female green Screw terminals SK 24 V DC 0 V terminal 2 female Screw terminals SK + 24 V DC - 24 V DC - 24 V DC terminal 2 female Screw terminals SK + 25 V DC - 26 V DC terminal 2 female Screw terminal 2 female Screw terminal 2 female Screw terminals SK
No. of poles Gender Color contact carrier Connection PIN 1 PIN 2 Family construction form No. of poles Gender Connection PIN 1 PIN 2 Family construction form No. of poles Gender Connection PIN 1 PIN 2 Family construction form No. of poles Gender Connection PIN 1 PIN 2 Family construction form No. of poles Gender Connection PIN 1	2 female green Screw terminals SK 24 V DC 0 V terminal 2 female Screw terminals SK + 24 V DC - 24 V DC terminal 2 female Screw terminals SK + 25 V DC terminal 2 female Screw terminal 2 female Screw terminal

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Gender	female
Connection	Screw terminals SK
PIN 2	E1
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	I1
PIN 2	12