

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

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

Art.No.: 6644332 Weight: 0.05 Country of origin: CZ

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

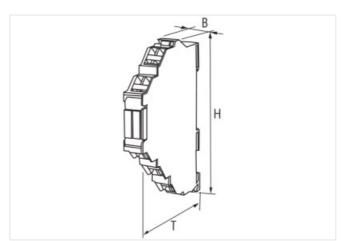
Murrelektronik's temperature converters convert a temperature into the usual signal variables (0...10 V, 4...20 mA, 0...20 mA) in conjunction with a PT100 temperature sensor (IEC 751/EN 60751). For this purpose, the MTW modules supply a constant current which causes a voltage drop at the PT100 resistor.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

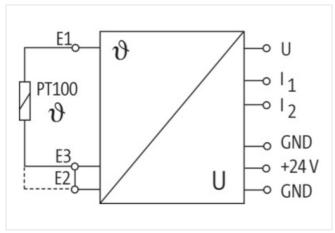
Spring clamp terminals

Link to Product

Illustration







Product may differ from Image





stay connected

Header	
Material short text	MTW- 0-100C MIRO 2/3 LEITER
Commercial data	
URL Webshop	https://shop.murrelektronik.com/6644332
GTIN	4048879022361
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	4048879022361
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 7	
Family construction form	terminal
No. of poles	2
·	

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: 2025-11-15



stay connected	d
----------------	---

Connection Spring clamp terminals FK PIN 1 4.24 V DC FIN 2 2.44 V DC Family construction form terminal No. of poles 2 Gendor formale Color contact carrier green Connection Spring clamp terminals FK PIN 1 E 3 PIN 2 E 2 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 2 E 1 Family construction form terminal No. of poles 2 Gender terminal No. of poles 2 Gundor terminal No. of poles 2 Gundor terminal Color contact carrier green Color contact carrier green Color contact carrier green Color contact carrier green <	Gender	female
PIN 1 + 24 V DC PIN 2 - 24 V DC Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 E 3 PIN 2 E 2 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 2 E 1 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Color contact carrier g	Color contact carrier	green
PIN 1 + 24 V DC PIN 2 - 24 V DC Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 E 3 PIN 2 E 2 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 2 E 1 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Color contact carrier g	Connection	Spring clamp terminals FK
PIN 2 - 24 V DC Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring plamp terminals FK PIN 1 E 3 PIN 2 E 2 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring plamp terminals FK PIN 2 E 1 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Color contact carrier green Color contact carrier green Color contact carrier green Connection Spring plamp terminals FK PIN 1 U PIN 2 0 V Family construction form terminal No. of poles 2 Gender female <	PIN 1	
No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 E 3 PIN 2 E 2 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 2 E 1 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 U PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Color contact carrier green Color contact carrier green Connection Spring clamp terminals FK PIN 1 1 PI	PIN 2	- 24 V DC
No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 E 3 PIN 2 E 2 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 2 E 1 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 U PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Color contact carrier green Color contact carrier green Connection Spring clamp terminals FK PIN 1 1 PI	Family construction form	terminal
Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 E 3 PIN 2 E 2 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 2 E 1 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Color contact carrier green Color contact carrier green Connection Spring clamp terminals FK PIN 1 U PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 1 PIN 2 1 2 Family		2
Connection Spring clamp terminals FK PIN 1 E 3 PIN 2 E 2 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 2 E 1 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Color contact carrier green Connection Spring clamp terminals FK PIN 1 U PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 1.1 PIN 2 1.2 Family construction form terminal No. of poles 2 Gender female Color contac	Gender	female
PIN 1 E 3 PIN 2 E 2 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 2 E 1 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Color contact carrier green Color contact carrier green Connection Spring clamp terminals FK PIN 1 U PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green	Color contact carrier	green
PIN 1 E 3 PIN 2 E 2 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 2 E 1 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Color contact carrier green Color contact carrier green Connection Spring clamp terminals FK PIN 1 U PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green	Connection	-
Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 2 E 1 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 U PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Color contact carrier green Connection Spring clamp terminals FK PIN 1 11 PIN 2 12 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC	PIN 1	
Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 2 E 1 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 U PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Color contact carrier green Connection Spring clamp terminals FK PIN 1 11 PIN 2 12 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC	PIN 2	E 2
No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 2 E 1 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 U PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 I 1 PIN 2 12 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection form terminal No. of poles 2 Gender female Color contact carrier green Connection		terminal
Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 2 E 1 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 U PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 1 I 2 1 Family construction form terminal No. of poles 2 Gender terminal No. of poles 2 Gender terminal No. of poles 2 Gender terminal Olor contact carrier green Connection Spring clamp terminals FK PIN 1 2		
Color contact carrier green Connection Spring clamp terminals FK PIN 2 E 1 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 U PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 I 1 PIN 2 12 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color con	Gender	
Connection Spring clamp terminals FK PIN 2 E 1 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 U PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 1.1 PIN 2 1.2 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 2.4 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Connection Spring clamp terminals FK PIN 1 2.4 V DC <		
PIN 2 E 1 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Comection Spring clamp terminals FK PIN 1 U Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 11 PIN 2 12 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Gender	Connection	<u>-</u>
Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 U PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 11 PIN 2 12 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Connection form terminal No. of poles 2 Gender female Color contact carrier		
No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 U PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 11 PIN 2 12 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection pring clamp terminals FK Pin 1 24 V DC Pin 2 0 V Family construction form		
Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 U PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 11 PIN 2 12 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Gender female Color contact carrier green Connection Spring clamp terminals FK Final green Connection		
Color contact carrier green Connection Spring clamp terminals FK PIN 1 U PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 11 PIN 2 12 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Gender terminal No. of poles 2 Gender terminal No. of poles 2 Gender female Color contact carrier green Color contact carrier green Color contact carrier		
Connection Spring clamp terminals FK PIN 1 U PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 11 PIN 2 1 2 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Gender terminal No. of poles 2 Gender terminal No. of poles 2 Gender female Color contact carrier green Color contact carrier green Color contact carrier green Connection S		
PIN 1		
PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 1 1 PIN 2 1 2 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Color contact carrier green Connection Spring clamp terminals FK PIN 1 pring clamp terminals FK		
Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 11 PIN 2 12 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 1		
No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 1 1 PIN 2 1 2 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC Family construction form terminal No. of poles 2 Gender female Color contact carrier green Color contact carrier green Color contact carrier green Connection Spring clamp terminals FK PIN 1 In 1		
Gender female		
Color contact carrier green Connection Spring clamp terminals FK PIN 1 I 1 PIN 2 I 2 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Color contact carrier green Connection Spring clamp terminals FK PIN 1 In 1		
Connection Spring clamp terminals FK PIN 1 11 PIN 2 12 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 In 1		
PIN 1 I 1 PIN 2 I 2 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 In 1		<u>-</u>
PIN 2 I 2 Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 In 1		
Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 In 1		
No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 In 1		
Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 In 1		
Color contact carrier green Connection Spring clamp terminals FK PIN 1 24 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 In 1		
Connection Spring clamp terminals FK PIN 1 24 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 In 1		female
PIN 1 24 V DC PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 In 1		•
PIN 2 0 V Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 In 1		
Family construction form terminal No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 In 1		
No. of poles 2 Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 In 1		
Gender female Color contact carrier green Connection Spring clamp terminals FK PIN 1 In 1	Family construction form	
Color contact carrier green Connection Spring clamp terminals FK PIN 1 In 1	No. of poles	
Connection Spring clamp terminals FK PIN 1 In 1	Gender	female
PIN 1 In 1	Color contact carrier	
	Connection	
PIN 2 I 2	PIN 1	
	PIN 2	12