

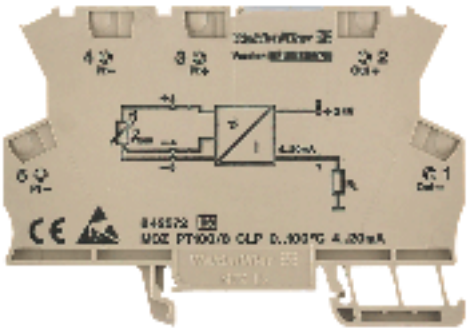

General ordering data	
Order No.	8473000000
Part designation	MCZ PT100/3 CLP -50C...+150C
Version	Signal converter/disconnector, 4...20 mA (current loop) , Tension clamp connection
EAN	4032248058273
Qty.	10 pc(s).

Input	
Sensor	PT100/2-/3-conductor (to IEC 751)
Temperature input range	-50...+150 °C
Number of inputs	1

Output	
Output current	4...20 mA (current loop)
Load resistance, current	≤ 600 Ω
Influence of line resistance	Max. 0.006 K/Ω
Function	3-conductor connection

Output	
Accuracy	Typical 0.2%, max. 0.5% of FSR
Linearization	Yes
Step response time	10 ms
Temperature coefficient	Max. ± 250 ppm/K
Number of outputs	1

General data	
Function	PT100
Input/Output	PT100/ 4...20 mA (current loop)
Galvanic isolation	Without isolation
Type of connection	Tension clamp connection
Mounting rail	TS 35
Voltage supply	Max. 30 V/ min. 9 V + (20 mA x RL)
Ambient temperature (operational)	0 °C...+50 °C
Storage temperature	-20 °C...+85 °C

Insulation coordination	
Standards	EN 50178, EN 60751, IEC751
EMC standards	EMVG, EN 61000-6

Dimensions	
Clamping range, max.	1.5 mm²
Clamping range, min.	0.5 mm²
Clamping range, nom.	1.5 mm²
Length	91 mm
Height	63.2 mm
Width	6 mm

Approvals	
Approvals institutes	

Classifications	
eClass 4.1	27-20-02-06
eClass 5.0	27-20-02-06
eClass 5.1	27-20-02-06

Similar products

Order No.	Part designation	Version
8425720000	MCZ PT100/3 CLP 0...100C	Signal converter/disconnector, 4...20 mA (current loop) , Tension clamp connection
8483680000	MCZ PT100/3 CLP 0...120C	Signal converter/disconnector, 4...20 mA (current loop) , Tension clamp connection
8604420000	MCZ PT100/3 CLP 0...150C	Signal converter/disconnector, 4...20 mA (current loop) , Tension clamp connection

	8473010000	MCZ PT100/3 CLP 0...200C	Signal converter/disconnector, 4...20 mA (current loop) , Tension clamp connection
	8473020000	MCZ PT100/3 CLP 0...300C	Signal converter/disconnector, 4...20 mA (current loop) , Tension clamp connection
	8604430000	MCZ PT100/3 CLP -40C...100C	Signal converter/disconnector, 4...20 mA (current loop) , Tension clamp connection