

Temperature measuring transducer - MACX MCR-TS-I-OLP - 2908662


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Output loop-powered temperature transducer, two universal inputs for thermocouples, resistance and voltage sensor, HART communication, freely configurable, installable in Zone 2, SIL 2/3



Key Commercial Data

Packing unit	1 pc
GTIN	 4 0 5 5 6 2 6 3 5 5 4 5 0
GTIN	4055626355450
Weight per Piece (excluding packing)	171.800 g
Custom tariff number	85437090
Country of origin	Germany
Sales Key	CK1322

Technical data

Dimensions

Width	12.5 mm
Height	112.5 mm
Depth	114.5 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
	-40 °C ... 70 °C (SIL active)
Ambient temperature (storage/transport)	-40 °C ... 100 °C
Maximum altitude	≤ 4000 m (Above sea level)
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Degree of protection	IP20

Input data

Sensor types (RTD) that can be used	Pt, Ni, Cu sensors: 2, 3, 4-wire
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Technical data

Input data

Sensor types that can be used (TC)	A, B, C, D, E, J, K, L, N, R, S, T, U
Linear resistance measuring range	10 Ω ... 2000 Ω (Minimum measuring span: 10 Ω)
Temperature measuring range	-250 °C ... 2500 °C (Range depending on the sensor type)
	-200 °C ... 850 °C (Pt 100)

Output data

Configurable/programmable	no
Current output signal	4 mA ... 20 mA
	20 mA ... 4 mA
Max. output current	23 mA

Power supply

Supply voltage range	12 V ... 42 V (Standard)
	12 V ... 32 V (SIL active)

Connection data

Connection method	Screw connection
Stripping length	7 mm
Screw thread	M3
Conductor cross section solid	0.2 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 14
Torque	0.5 Nm ... 0.6 Nm

General

Overvoltage category	II
Degree of pollution	2
Color	gray

Standards and Regulations

Conformance	CE-compliant
ATEX	# II 3G Ex nA IIC T6...T4 Gc
UL, USA/Canada	UL 61010 Recognized
FM approval	NI, Class I, Div. 2, Groups A, B, C, D
CSA	NI / Class I / Div. 2 / ABCD T6/T5/T4

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values



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