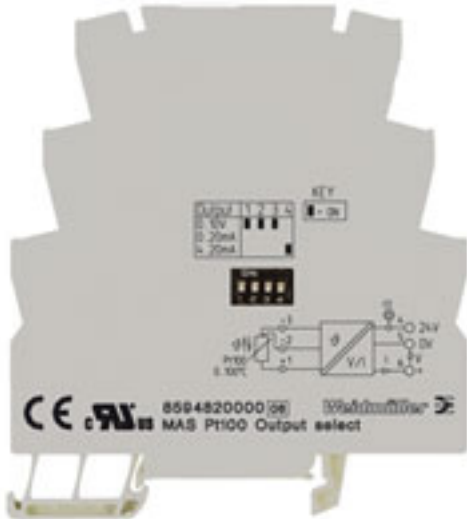


MAZ PT100 0...100C

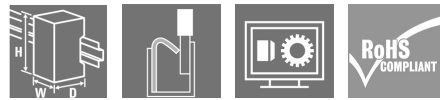
Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Similar to illustration



Only remaining stock available, Do not use product for new developments



General ordering data

Version	RTD isolating transformer, PT100, 2-/3-wire connection technology, Configurable
Order No.	8594850000
Type	MAZ PT100 0...100C
GTIN (EAN)	4032248252480
Qty.	1 Stück

MAZ PT100 0...100C

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Technische Daten

Dimensions and weights

Depth	97.8 mm	Depth (inches)	3.85 inch
Width	6.1 mm	Width (inches)	0.24 inch
Length	92 mm	Length (inches)	3.622 inch
Net weight	41 g		

Temperatures

Storage temperature	-20 °C...85 °C	Operating temperature	0 °C...55 °C
Operating temperature, min.	0 °C	Operating temperature, max.	55 °C

Input

Number of inputs	1	Sensor supply	0.8 mA
Temperature input range	0...100 °C		

Output

Load impedance current	≤ 400 Ω @ 24 V	Number of outputs	1
Output current	0...20 mA, 4...20 mA	Output voltage, note	0...10V / 0...5V
load impedance voltage	≥ 10 kΩ		

General data

Accuracy	< 0.5 % of measuring range	Configuration	DIP switch
Current-carrying capacity of cross-connect.	≤ 20 A	Galvanic isolation	2-way isolator
Input/Output	PT100/ 0(4)...20 mA, 0...10 V, 0...5V	Linearity	Yes
Power consumption	ca. 0.6 W	Rail	TS 35
Step response time	< 0.7 s	Temperature coefficient	≤ 250 ppm/K of final value
Voltage supply	24 V DC ± 10 %		

Insulation coordination

Clearance and creepage distances	≥ 1.5 mm	EMC standards	EN 55011, EN 61000-6 /-2, EN 61326
Galvanic isolation	2-way isolator	Impulse withstand voltage	1.5 kV
Insulation voltage	500 V _{eff} / 1 s	Insulation voltage input or output/rail	500 V _{eff}
Insulation voltage input or output/supply	500 V _{eff}	Pollution severity	2
Rated voltage	100 V	Surge voltage category	III

Connection data

Type of connection	Tension-clamp connection	Clamping range, rated connection	1.5 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	2.5 mm ²

Classifications

ETIM 6.0	EC002919	ETIM 7.0	EC002919
ETIM 8.0	EC002919	ECLASS 9.0	27-21-01-29
ECLASS 9.1	27-21-01-29	ECLASS 10.0	27-21-01-29
ECLASS 11.0	27-21-01-29	ECLASS 12.0	27-21-01-29

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Technische Daten

Tender specification sheets

Long specification

Short specification

PT100- measurement isolating transformer, configured with DIP switches, 2-way isolation
PT100- measurement isolating transformer in 6.1 mm width with external power supply, for transmitting and isolating 2-/3-wire PT100 signals.
Analogue DC signals 0(4)...20 mA /0...5 V/ 0...10 V are available on the output side.
The input/output circuits have 500 Veff of electrical isolation.
The output is used to supply 24 VDC.
Add-on housing for TS35 rail mounting
Dimensions: L/W/H 92/ 6.1/ 97.8 mm
Tension-clamp connection / Nominal cross-section 1.5 mm²
Protection degree: IP 20
Input
PT100 2-/3-wire connection

0...100 °C

Output

0/4...20 mA

0...5 V, 0...10 V
Load resistance < 400 Ohm/ Strom/> 10 kOhm/ voltage
Transmission error < 0,5 % v. E. typ.

250 ppm / °C
Step response time < 0,7 s
Auxiliary power 24 VDC +/- 10 %
Power loss approx. 0.6 W
Ambient temperature range 0°C...+55 °C
Isolation EN 50178, 2-way isolation up to 500 V AC/DC
Rated voltage 100 V AC/DC at overvoltage category III and pollution degree 2

PT100- measurement isolating transformer, configured with DIP switches, 2-way isolation
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Technische Daten

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	4c08c934-ef45-4df2-8269-ccadfff1d702

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	WSCAD, EPLAN
User Documentation	Instruction sheet
Catalogues	Catalogues in PDF-format

MAZ PT100 0...100C

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Zeichnungen

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Electric symbol

