

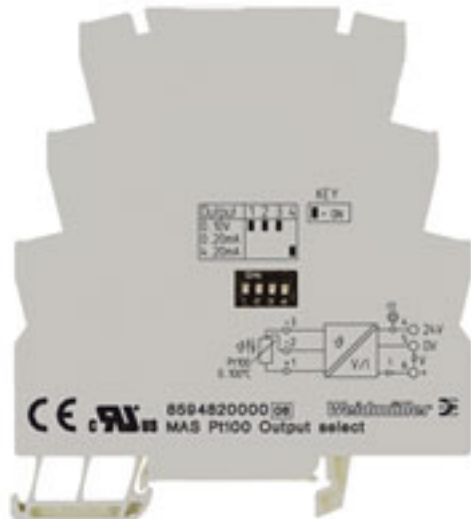
MAZ PT100 0...100C**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Similar to illustration**Only remaining stock
available****General ordering data**

Version	MICROSERIES, RTD isolating transformer
Order No.	8594850000
Type	MAZ PT100 0...100C
GTIN (EAN)	4032248252480
Qty.	1 pc(s).

MAZ PT100 0...100C

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Technical data

Dimensions and weights

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

Temperatures

Storage temperature	-20 °C...85 °C	Operating temperature	0 °C...55 °C
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Number of inputs	1	Sensor	PT100/2-/3-wire (in compliance with IEC 751)
Sensor supply	0.8 mA	Temperature input range	0...100 °C

Output

Load impedance current	$\leq 400 \Omega @ 24 V$	Number of outputs	1
Output current	0...20 mA, 4...20 mA	Output voltage, note	0...10V / 0...5V
load impedance voltage	$\geq 10 k\Omega$		

General data

Accuracy	$< 0.5 \%$ of measuring range	Configuration	DIP switch
Current-carrying capacity of cross-connect.	$\leq 20 A$	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	$\leq 250 \text{ ppm/K}$ of final value
Type of connection	Tension-clamp connection	Voltage supply	24 V DC $\pm 10 \%$

Insulation coordination

Clearance & creepage distances	$\geq 1.5 \text{ mm}$	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

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ETIM 6.0	EC002919	ETIM 7.0	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

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Technical data

Tender specification sheets

Long 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
Approval CE

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.
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Creation date March 29, 2021 11:00 AM CEST

Catalogue status 12.03.2021 / Weidmüller reserves the right to make technical changes.

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	E141197

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	EPLAN, WSCAD
User Documentation	Instruction sheet

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Drawings

Electric symbol

