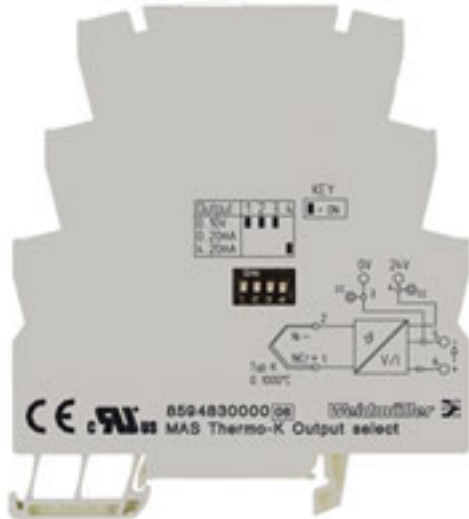


MAZ THERMO-K 0...1000°C

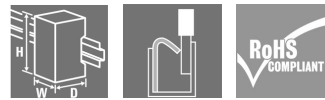
Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Similar to illustration



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



General ordering data

Version	Thermocouple, Thermocouple, Configurable
Order No.	8594860000
Type	MAZ THERMO-K 0...1000°C
GTIN (EAN)	4032248252497
Qty.	1 Stück

MAZ THERMO-K 0...1000°C

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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	40 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	Temperature input range	0...1000 °C
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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
Wire break detection	Output value: > 20 mA, >10 V	cold junction compensation	Yes
load impedance voltage	≥ 10 kΩ		

General data

Accuracy	< 0.6 % of measuring range	Configuration	DIP switch
Current-carrying capacity of cross-connect.	≤ 20 A	Galvanic isolation	2-way isolator
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

MAZ THERMO-K 0...1000°C

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Technische Daten

Tender specification sheets

Long specification

Short specification

TC measurement isolating transformer, configured with DIP switches, 2-way isolation
TC measurement isolating transformer in 6.1 mm width with external power supply, for recording, transmitting and isolating thermocouple signals of type K in compliance with IEC 564.
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 thermocouples, type K / IEC 584

0...1000 °C

Output
 0/4...20 mA

0...5 V, 0...10 V
Load resistance < 400 Ohm/ Strom/> 10 kOhm/ voltage
Transmission error < 0,7 % 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

TC measurement isolating transformer, configured with DIP switches, 2-way isolation
TC measurement isolating transformer in 6.1 mm width with external power supply, for recording, transmitting and isolating thermocouple signals of type K in compliance with IEC 564.
Analogue DC signals 0(4)...20 mA /0...5 V/ 0...10 V are available on the output side

Erstellungs-Datum May 26, 2023 4:16:02 PM CEST 100

Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

V AC/DC at overvoltage category III and Pollution Degree 2
Approvals cULus

MAZ THERMO-K 0...1000°C

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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
User Documentation	Instruction sheet
Catalogues	Catalogues in PDF-format

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Zeichnungen

Electric symbol

