

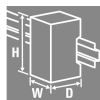
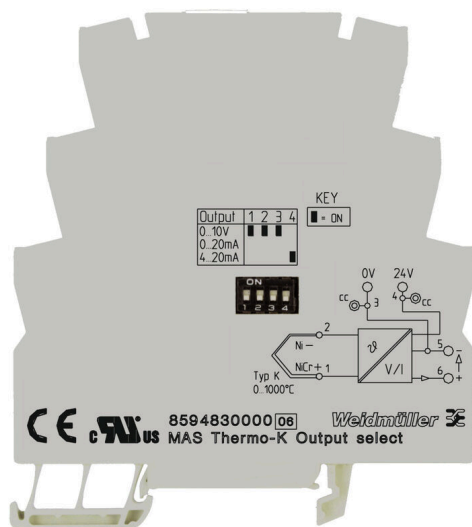
MAZ THERMO-K 0...1000°C

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

www.weidmueller.com

Only remaining stock
available, Do not use prod-
uct for new developments

Similar to illustration



General ordering data

Version	Thermocouple, Thermocouple, Configurable
Order No.	8594860000
Type	MAZ THERMO-K 0...1000°C
GTIN (EAN)	4032248252497
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2024-10-29T00:00:00+01:00
Alternative product	ACT20M-TCL-AQ-X-P

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Technical data

Approvals

Approvals



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

Dimensions and weights

Depth	97.8 mm	Depth (inches)	3.8504 inch
Width	6.1 mm	Width (inches)	0.2402 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
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Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	4c08c934-ef45-4df2-8269-ccadfff1d702

Input

Number inputs	1	Temperature input range	0...1000 °C
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Output

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

General data

Accuracy	<0.6 % of measuring range	Protection degree	IP20
Supply voltage	24 V DC ± 10 %	Linearity	Yes
Step response time	<0.7 s	Mounting rail	TS 35
Power consumption	ca. 0.6 W	Temperature coefficient	≤ 250 ppm/K of final value
Configuration	DIP switch	Operating altitude	≤ 2000 m

Insulation coordination

Impulse withstand voltage	1.5 kV	EMC standards	EN 55011, EN 61000-6 /-2, EN 61326
Surge voltage category	III	Pollution severity	2
Galvanic isolation	2-way isolator	Insulation voltage input or output/rail	500 Veff
Insulation voltage input or output/supply	500 Veff	Insulation voltage	500 Veff / 1 s
Rated voltage	100 V		

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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 8.0	EC002919	ETIM 9.0	EC002919
ETIM 10.0	EC002919	ECLASS 14.0	27-21-01-29
ECLASS 15.0	27-21-01-29		

Tender specification sheets

Long 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	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.
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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
Approvals	cULus
Type	MAZ Thermo-K 0...1000C

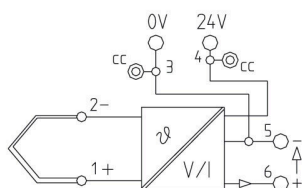
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Drawings

Electric symbol



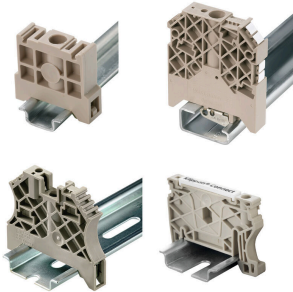
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Accessories

End bracket



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	EW 35	Version
Order No.	0383560000	End bracket, beige, TS 35, V-2, Wemid, Width: 8.5 mm, 100 °C
GTIN (EAN)	4008190181314	
Qty.	50 ST	

Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	ZQV 4N/4 RT	Version
Order No.	1794010000	W-Series, Cross-connector, 32 A
GTIN (EAN)	4032248233809	
Qty.	60 ST	
Type	ZQV 4N/3 RT	Version
Order No.	1793980000	W-Series, Cross-connector, 32 A
GTIN (EAN)	4032248233779	
Qty.	60 ST	
Type	ZQV 4N/10 BL	Version
Order No.	1794050000	W-Series, Cross-connector, 32 A
GTIN (EAN)	4032248234011	
Qty.	20 ST	
Type	ZQV 4N/2 RT	Version
Order No.	1793950000	W-Series, Cross-connector, 32 A
GTIN (EAN)	4032248233748	
Qty.	60 ST	
Type	ZQV 4N/10 SW	Version
Order No.	1794060000	W-Series, Cross-connector, 32 A
GTIN (EAN)	4032248234059	
Qty.	20 ST	

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Accessories

Type	ZQV 4N/41 RT	Version
Order No.	1794070000	W-Series, Cross-connector, 32 A
GTIN (EAN)	4032248234141	
Qty.	10 ST	
Type	ZQV 4N/41 SW	Version
Order No.	1794090000	W-Series, Cross-connector, 32 A
GTIN (EAN)	4032248234165	
Qty.	10 ST	
Type	ZQV 4N/2 SW	Version
Order No.	1793970000	W-Series, Cross-connector, 32 A
GTIN (EAN)	4032248233762	
Qty.	60 ST	
Type	ZQV 4N/41 BL	Version
Order No.	1794080000	W-Series, Cross-connector, 32 A
GTIN (EAN)	4032248234158	
Qty.	10 ST	
Type	ZQV 4N/10 RT	Version
Order No.	1794040000	W-Series, Cross-connector, 32 A
GTIN (EAN)	4032248234004	
Qty.	20 ST	
Type	ZQV 4N/3 SW	Version
Order No.	1794000000	W-Series, Cross-connector, 32 A
GTIN (EAN)	4032248233793	
Qty.	60 ST	
Type	ZQV 4N/4 BL	Version
Order No.	1794020000	W-Series, Cross-connector, 32 A
GTIN (EAN)	4032248233816	
Qty.	60 ST	
Type	ZQV 4N/2 BL	Version
Order No.	1793960000	W-Series, Cross-connector, 32 A
GTIN (EAN)	4032248233755	
Qty.	60 ST	
Type	ZQV 4N/3 BL	Version
Order No.	1793990000	W-Series, Cross-connector, 32 A
GTIN (EAN)	4032248233786	
Qty.	60 ST	
Type	ZQV 4N/4 SW	Version
Order No.	1794030000	W-Series, Cross-connector, 32 A
GTIN (EAN)	4032248233915	
Qty.	60 ST	

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Germanywww.weidmueller.com**Accessories****Blank**

WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	WS 10/6 MC NE WS	Version
Order No.	1828450000	WS, Terminal marker, 10 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,
GTIN (EAN)	4032248350513	Allen-Bradley, white
Qty.	600 ST	