

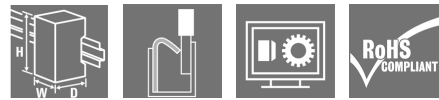
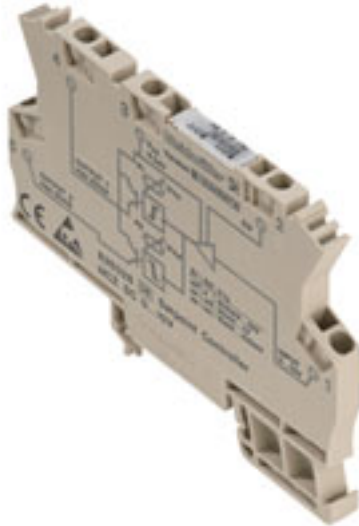
MCZ SC 0-10V**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image**MCZ: The smallest solution**

- The smallest analogue signal converter in terminal block format on the market
- Space-saving conversion of analogue signals in the control cabinet thanks to the slim, 6 mm wide module width
- Simple wiring with plug-in cross-connectors

General ordering data

| | |
|------------|---|
| Version | Limit value monitoring, Input : 0-10 V, Output 2 x transistor |
| Order No. | 8260280000 |
| Type | MCZ SC 0-10V |
| GTIN (EAN) | 4008 190985417 |
| Qty. | 10 pc(s). |

Creation date March 26, 2022 9:14:51 AM CET

Catalogue status 11.03.2022 / We reserve the right to make technical changes.

MCZ SC 0-10V

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

| | | | |
|--------|---------|-----------------|------------|
| Depth | 63.2 mm | Depth (inches) | 2.488 inch |
| Width | 6 mm | Width (inches) | 0.236 inch |
| Length | 91 mm | Length (inches) | 3.583 inch |
| Weight | 30 g | Net weight | 29.6 g |

Temperatures

| | | | |
|---------------------|--|-----------------------|--------------|
| Storage temperature | -25 °C...60 °C | Operating temperature | 0 °C...50 °C |
| Humidity | 40 °C / 93 % rel. humidity, no condensation | | |

Environmental Product Compliance

| | |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

Input

| | | | |
|---------------------------|-------|---------------|----------|
| Input resistance, voltage | 60 kΩ | Input voltage | 0...10 V |
| Number of inputs | 1 | | |

Output

| | | | |
|-------------------|--|---------------------------|------------------------------------|
| Contact assembly | Transistor output, double switch output PNP | Cut-off frequency (-3 dB) | 100 Hz |
| Number of outputs | 2 | Switching thresholds | Via 2 potentiometers (12 turns) |

General data

| | | | |
|--------------------|--|-------------------------|----------------|
| Configuration | Potentiometer | Current consumption | 15 mA |
| Galvanic isolation | Without isolation | Rail | TS 35 |
| Step response time | < 250 μs (switching threshold at 90% of max. input signal; R _i ≤ 1 kΩ) | Temperature coefficient | max. 250 ppm/K |
| Type of connection | Tension-clamp connection | Voltage supply | 24 V DC ± 20 % |

Insulation coordination

| | | | |
|---|------------------------------|--------------------|-------------------|
| EMC standards | EN 55011, EN 61000-6 | Galvanic isolation | Without isolation |
| Insulation voltage input or output/rail | 4 kV _{eff} / 1 min. | | |

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. | 1.5 mm ² |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002654 | ETIM 7.0 | EC002654 |
| ETIM 8.0 | EC002654 | ECLASS 9.0 | 27-21-01-22 |
| ECLASS 9.1 | 27-21-01-22 | ECLASS 10.0 | 27-21-01-22 |
| ECLASS 11.0 | 27-21-01-22 | | |

MCZ SC 0-10V

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Tender specification sheets

Long specification

Short specification

Trip amplifier for monitoring a 0...10 V standard signal with two switching outputs
Trip amplifier in 6 mm width for analogue 0...10 V standard signals with two PNP-transistor switch outputs
for monitoring an upper and lower threshold (adjustable via potentiometer).
DIP switches can be used to select a range of 300 mV to 10 V, 30 mV to 1 V, and 10 mV to 100 mV on the input side.

Add-on housing for TS35 rail mounting
Dimensions: L/W/H 91/6/ 63.2 mm
Tension-clamp connection / Nominal cross-section 1.5 mm²
Protection degree: IP 20

Input
0...10 V

ranges 300 mV... 10 V / 30 mV... 1 V / 10 mV... 100 mV

Output
Double switching output PNP/ 50 mA per channel

adjustable via potentiometer
Switching hysteresis 1 % of input
Step response time < 250 us (10...90 %)

Temperature coefficient < 250 ppm K

Auxiliary power 24 V DC +/- 20 %

Ambient temperature range 0°C...+50 °C

Isolation 1.5 kV
Approvals cURus, CSA

Type
MCZ SC 0-10V

Trip amplifier for monitoring a 0...10 V standard signal with two switching outputs
Trip amplifier in 6 mm width for analogue 0...10 V standard signals with two PNP-transistor switch outputs
for monitoring an upper and lower threshold (adjustable via potentiometer).
DIP switches can be used to select a range of 300 mV to 10 V, 30 mV to 1 V, and 10 mV to 100 mV on the input side.

Creation date March 26, 2022 9:14:51 AM CET

Data sheet**MCZ SC 0-10V**

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

www.weidmueller.com

Technical data**Approvals**

Approvals



| | |
|-----------------------|---------|
| ROHS | Conform |
| UL File Number Search | E141197 |

Downloads

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

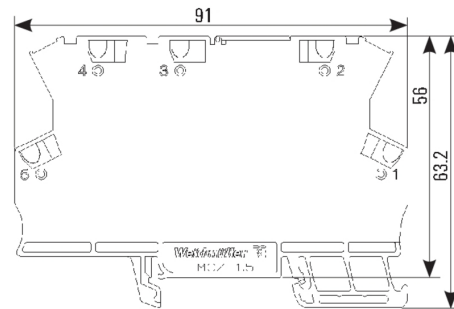
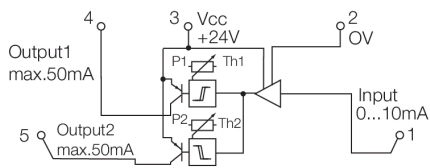
MCZ SC 0-10V

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

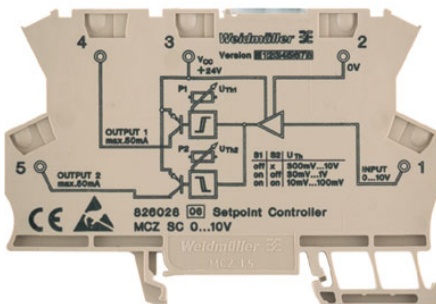
www.weidmueller.com

Drawings

Connection diagram



dimensions



MCZ SC 0-10V

Weidmüller Interface GmbH & Co. KG

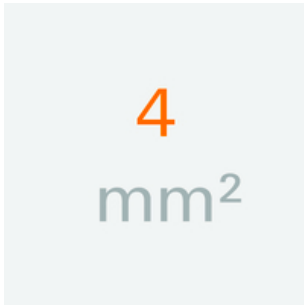
Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

4 mm²

The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions.

General ordering data

| | | |
|------------|----------------------------|------------------------------------|
| Type | ZQV 4N/2 GE | Version |
| Order No. | 1758250000 | Accessories, Cross-connector, 32 A |
| GTIN (EAN) | 4032248169795 | |
| Qty. | 60 pc(s). | |
| Type | ZQV 4N/3 GE | Version |
| Order No. | 1762630000 | Accessories, Cross-connector, 32 A |
| GTIN (EAN) | 4032248169788 | |
| Qty. | 60 pc(s). | |
| Type | ZQV 4N/4 GE | Version |
| Order No. | 1762620000 | Accessories, Cross-connector, 32 A |
| GTIN (EAN) | 4032248169771 | |
| Qty. | 60 pc(s). | |
| Type | ZQV 4N/10 GE | Version |
| Order No. | 1758260000 | Accessories, Cross-connector, 32 A |
| GTIN (EAN) | 4032248169764 | |
| Qty. | 20 pc(s). | |

AP MCZ 1.5 - End plate



Open miniature housing in modular terminal format with five tension clamp connections. A transparent hinged top plate can be used for labelling and provides access to potentiometer and status displays. Plug-in cross-connections can be used to interconnect the three top connections. A cover plate for closing off the housing is also available.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | AP MCZ1.5 1674 | Version |
| Order No. | 8389030000 | Small housing, OMNIMATE Housing - TERMINALBOX grey-beige, End plate, Width: 1.5 mm |
| GTIN (EAN) | 4008190386849 | |
| Qty. | 50 pc(s). | |

MCZ SC 0-10V

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

www.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 pc(s). | |

SAK-Series



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 | Accessories, End bracket |
| GTIN (EAN) | 4008190181314 | |
| Qty. | 50 pc(s). | |

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Signal Conditioning](#) category:

Click to view products by [Weidmuller](#) manufacturer:

Other Similar products are found below :

[MAPDCC0001](#) [MAPDCC0004](#) [PD0409J5050S2HF](#) [880157](#) [HHS-109-PIN](#) [DC1417J5005AHF](#) [AFS14A30-2185.00-T3](#) [AFS14A35-1591.50-T3](#) [DS-323-PIN](#) [B39321R801H210](#) [1A0220-3](#) [JP510S](#) [LFB212G45SG8C341](#) [LFB322G45SN1A504](#) [LFL182G45TC3B746](#) [SF2159E](#) [30057](#)
[FM-104-PIN](#) [CER0813B](#) [MAPDCC0005](#) [3A325](#) [40287](#) [41180](#) [ATB3225-75032NCT](#) [BD0810N50100AHF](#) [BD2425J50200AHF](#)
[C5060J5003AHF](#) [JHS-115-PIN](#) [JP503AS](#) [DC0710J5005AHF](#) [DC2327J5005AHF](#) [DC3338J5005AHF](#) [43020](#) [LFB2H2G60BB1C106](#)
[LFL15869MTC1B787](#) [X3C19F1-20S](#) [XC3500P-20S](#) [10013-20](#) [SF2194E](#) [CDBLB455KCAX39-B0](#) [TGL2208-SM, EVAL](#) [RF1353C](#)
[PD0922J5050D2HF](#) [1E1305-3](#) [1F1304-3S](#) [1G1304-30](#) [B0922J7575AHF](#) [2020-6622-20](#) [TP-103-PIN](#) [BD1222J50200AHF](#)