

**MICROSERIES  
MAZ DC/DC select**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-2083  
 www.weidmueller.com



Single-channel signal converter with external power supply for the transmission and isolation of DC, current and voltage signals.

Input and output parameters can be universally configured and parameterised. The input and output channels are completely electrically isolated, as is the power supply. Depending on their housing type, these converters are available in widths of 6.1 mm and 17.5 mm.

**General ordering data**

|           |  |
|-----------|--|
| Order No. | <a href="#">8594840000</a>                 |
| Type      | MAZ DC/DC select                           |
| Version   | MICROSERIES, Signal converter/disconnector |
| EAN       | 4032248252473                              |
| Qty.      | 1 pc(s).                                   |

**MICROSERIES  
MAZ DC/DC select**

Weidmüller Interface GmbH & Co. KG  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-2083  
www.weidmueller.com

**Technical data**

**Dimensions**

|        |         |       |        |
|--------|---------|-------|--------|
| Length | 92 mm   | Width | 6.1 mm |
| Height | 97.8 mm |       |        |

**Temperatures**

|                       |               |                     |                 |
|-----------------------|---------------|---------------------|-----------------|
| Operating temperature | 0 °C...+55 °C | Storage temperature | -20 °C...+85 °C |
|-----------------------|---------------|---------------------|-----------------|

**Probability of failure**

|      |           |
|------|-----------|
| MTTF | 440 Years |
|------|-----------|

**Input**

|                           |   |                           |          |
|---------------------------|---|---------------------------|----------|
| Voltage drop              | < 0.1 V @ I <sub>IN</sub> = 20 mA (current input) | Number of inputs          | 1        |
| Input resistance, voltage | 100 kΩ  | Input resistance, current | ≤ 5 Ω    |
| Input current             | 0(4)...20 mA                                      | Input voltage             | 0...10 V |

**Output**

|                           |          |                        |              |
|---------------------------|----------|------------------------|--------------|
| Cut-off frequency (-3 dB) | > 100 Hz | load impedance voltage | ≥ 10 kΩ      |
| Number of outputs         | 1        | load impedance current | ≤ 500 Ω      |
| Output voltage, note      | 0...10 V | Output current         | 0(4)...20 mA |

**General data**

|                    |                          |   |                               |
|--------------------|--------------------------|---|-------------------------------|
| Accuracy           | < 0.5 % of end value     | Current-carrying capacity of cross-connect. | ≤ 20 A                        |
| Galvanic isolation | 3-way isolator           | Input/Output                                | Configurable                  |
| Mounting rail      | TS 35                    | Power consumption                           | ca. 0.6 W                     |
| Supply voltage     | 24 V DC ± 15 %           | Temperature coefficient                     | ≤ 150 ppm/K of of final value |
| Type of connection | Tension clamp connection |   |                               |

**Insulation coordination**

|   |                            |   |                            |
|---|----------------------------|---|----------------------------|
| EMC standards                           | DIN EN 61326               | Insulation voltage                        | 500 V <sub>eff</sub> / 1 s |
| Insulation voltage input or output/rail | 500 V <sub>eff</sub> / 1 s | Insulation voltage input or output/supply | 500 V <sub>eff</sub> / 1 s |
| Overvoltage category                    | II                         | Pollution severity                        | 2                          |
| Rated voltage                           | 50 V                       | Standards                                 | EN 50178                   |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC001774    | ETIM 4.0   | EC002653    |
| UNSPSC     | 31-12-10-07 | eClass 5.1 | 27-21-01-20 |
| eClass 6.0 | 27-21-01-20 |            |             |

**Approvals**

|           |                     |
|-----------|---------------------|
| Approvals | CE; CURUS; GOSTME25 |
|-----------|---------------------|

**Datasheet**

**MICROSERIES  
MAZ DC/DC select**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-2083  
[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**

**Electric symbol**

