

MAZ DC/DC SELECT

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

www.weidmueller.com

Only remaining stock available

Product image



General ordering data

| | |
|------------|---|
| Version | MICROSERIES, Signal converter/insulator |
| Order No. | 8594840000 |
| Type | MAZ DC/DC SELECT |
| GTIN (EAN) | 4032248252473 |
| Qty. | 1 Stück |

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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 | 43 g | | |

Temperatures

| | | | |
|-----------------------------|----------------|-----------------------------|--------------|
| Storage temperature | -20 °C...85 °C | Operating temperature | 0 °C...55 °C |
| Operating temperature, min. | 0 °C | Operating temperature, max. | 55 °C |

Probability of failure

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

Input

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

Output

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

General data

| | | | |
|-------------------------|----------------------------|---|----------------|
| Accuracy | < 0.5 % of end value | Current-carrying capacity of cross-connect. | ≤ 20 A |
| Galvanic isolation | 3-way isolator | Input/Output | configurable |
| Power consumption | ca. 0.6 W | Rail | TS 35 |
| Temperature coefficient | ≤ 150 ppm/K of final value | Voltage supply | 24 V DC ± 15 % |

Insulation coordination

| | | | |
|---|----------------------------|---|----------------------------|
| EMC standards | DIN EN 61326 | Galvanic isolation | 3-way isolator |
| Insulation voltage | 500 V _{eff} / 1 s | Insulation voltage input or output/rail | 500 V _{eff} / 1 s |
| Insulation voltage input or output/supply | 500 V _{eff} / 1 s | Pollution severity | 2 |
| Rated voltage | 50 V | Surge voltage category | II |

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 | EC002653 | ETIM 7.0 | EC002653 |
| ETIM 8.0 | EC002653 | ECLASS 9.0 | 27-21-01-20 |
| ECLASS 9.1 | 27-21-01-90 | ECLASS 10.0 | 27-21-01-20 |
| ECLASS 11.0 | 27-21-01-20 | ECLASS 12.0 | 27-21-01-20 |

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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. (cURus) | E175400 |
| Certificate no. (cULus) | E337701 |
| Certificate no. (cULusEX) | E346097 |

Downloads

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

Datenblatt

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Zeichnungen

Electric symbol

