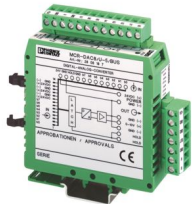


MCR-DAC 8-I- 4-BUS - Converter

2808226

<https://www.phoenixcontact.com/us/products/2808226>

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MCR 8-bit digital/analog converters, with flat-ribbon cable connection and COMBICON connector, pitch 5.08 mm, output signal 4..20 mA

The figure shows version MCR-DAC 8-U-5-BUS

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2808226 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C401 |
| Product key | DK1XXX |
| GTIN | 4017918075576 |
| Weight per piece (including packing) | 152.9 g |
| Weight per piece (excluding packing) | 135 g |
| Customs tariff number | 85389091 |
| Country of origin | DE |

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Technical data

Electrical properties

| | |
|----------------------------|--|
| Protective circuit | Protection against polarity reversal, suppressor diode |
| Maximum transmission error | ±1 LSB, for 25 °C |

Supply

| | |
|--------------------------|---------------------|
| Nominal supply voltage | 24 V DC ±10 % |
| Supply voltage range | 22 V DC ... 26 V DC |
| Max. current consumption | 20 mA |

Input data

Signal D/A converter

| | |
|-----------------------------------|---|
| Input signal digital | 8 bit (1 leading sign) |
| Input voltage range | 24 V DC ... 30 V DC |
| Signal level "1" signal | ≥ 15 V DC |
| Signal level "0" signal | ≤ 2 V DC |
| Max. current input signal | ≤ 1 mA |
| Input resistance of voltage input | ≥ 5.7 kΩ |
| Protective circuit | Surge protection; Suppressor diode, 36 V / 1500 W |

Output data

Signal

| | |
|----------------|------|
| Output current | 5 mA |
|----------------|------|

Signal: Current output

| | |
|---------------------------------|----------------|
| Current output signal | 4 mA ... 20 mA |
| Load/output load current output | ≤ 500 Ω |
| Resolution, outputs (current) | 63 μA |
| D/A conversion time | ≤ 50 μs |

Connection data

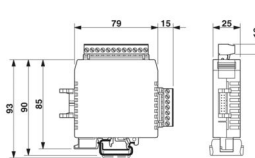
| | |
|----------------------------------|---|
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Conductor cross-section rigid | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section AWG | 24 ... 14 |

Dimensions

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| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 25 mm |
| Height | 79 mm |
| Depth | 93 mm |

Material specifications

| | |
|------------------|-----------------------------|
| Color | green (RAL 6021) |
| Housing material | Polyamide PA non-reinforced |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|----------------|
| Ambient temperature (operation) | 0 °C ... 55 °C |
|---------------------------------|----------------|

Approvals

CE

| | |
|-------------|--------------|
| Certificate | CE-compliant |
|-------------|--------------|

Mounting

| | |
|-------------------|-------------------|
| Mounting type | DIN rail mounting |
| Mounting position | any |

MCR-DAC 8-I- 4-BUS - Converter

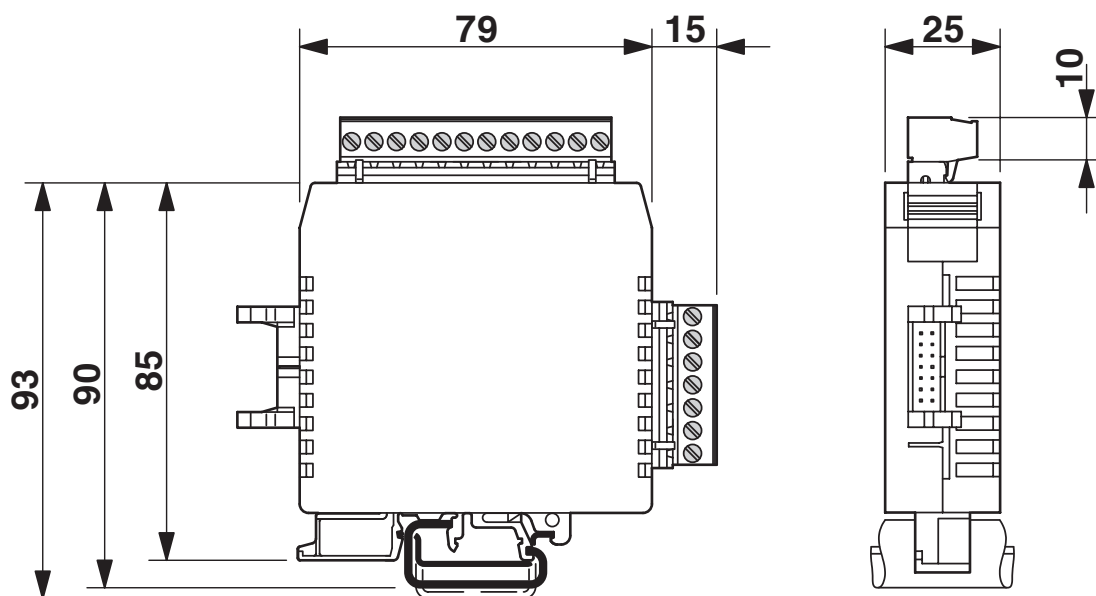


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Drawings

Dimensional drawing



Circuit diagram



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Environmental product compliance

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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