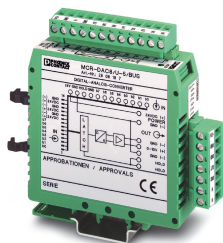


# Converter - MCR-DAC 8-U-10-BUS - 2808190

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MCR 8-bit digital/analog converters, with flat-ribbon cable connection and COMBICON connector, pitch 5.08 mm, output signal 0..10 V

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



## Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 017918 075545 |
| GTIN         | 4017918075545                                                                                           |

## Technical data

### Note

|                         |                                                                           |
|-------------------------|---------------------------------------------------------------------------|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---------------------------------------------------------------------------|

### Dimensions

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

### Ambient conditions

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

### Input data

|                         |                        |
|-------------------------|------------------------|
| Input signal            | 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. input current      | ≤ 1 mA                 |
| Input resistance        | ≥ 5.7 kΩ               |

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## Technical data

### Input data

|                              |                                 |
|------------------------------|---------------------------------|
| Type of protection           | Surge protection                |
| Protective circuit/component | Suppressor diode, 36 V / 1500 W |

### Output data

|                                 |                          |
|---------------------------------|--------------------------|
| Output current                  | 5 mA                     |
| Output name                     | Voltage output           |
| Voltage output signal           | 0 V ... 10 V             |
| Load/output load voltage output | $\geq 2 \text{ k}\Omega$ |
| Resolution, outputs (voltage)   | approx. 39 mV            |
| D/A conversion time             | $\leq 25 \mu\text{s}$    |

### Power supply

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

### General

|                            |                                                        |
|----------------------------|--------------------------------------------------------|
| Maximum transmission error | $\pm 1 \text{ LSB}$ , for 25°C                         |
| Protective circuit         | Protection against polarity reversal, suppressor diode |
| Color                      | green                                                  |
| Housing material           | Polyamide PA non-reinforced                            |
| Mounting position          | any                                                    |

### Standards and Regulations

|             |              |
|-------------|--------------|
| Conformance | CE-compliant |
|-------------|--------------|

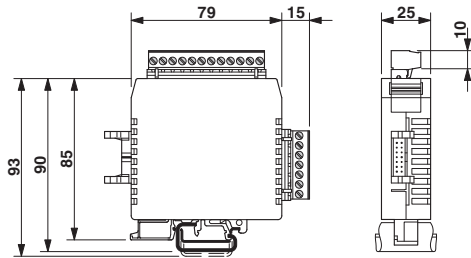
### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50 years                                                      |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

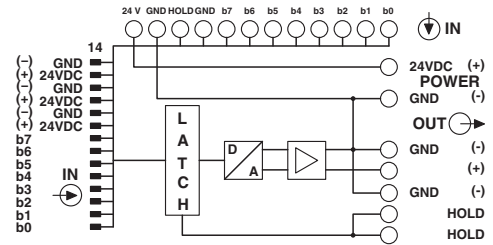
## Drawings

# Converter - MCR-DAC 8-U-10-BUS - 2808190

Dimensional drawing



Circuit diagram



## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27230200 |
| eCl@ss 4.1 | 27230200 |
| eCl@ss 5.0 | 27230200 |
| eCl@ss 5.1 | 27230200 |
| eCl@ss 6.0 | 19179200 |
| eCl@ss 7.0 | 19179290 |
| eCl@ss 8.0 | 19179290 |
| eCl@ss 9.0 | 19179290 |

ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001440 |
| ETIM 3.0 | EC001440 |
| ETIM 4.0 | EC001440 |
| ETIM 5.0 | EC000310 |
| ETIM 6.0 | EC000310 |
| ETIM 7.0 | EC000310 |

UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211506 |
| UNSPSC 7.0901 | 39121008 |
| UNSPSC 11     | 39121008 |
| UNSPSC 12.01  | 39121008 |
| UNSPSC 13.2   | 43222604 |
| UNSPSC 19.0   | 43222604 |

## Approvals

Approvals

## Converter - MCR-DAC 8-U-10-BUS - 2808190

### Approvals

Approvals


EAC

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Ex Approvals

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### Approval details

|     |                                                                                   |                          |
|-----|-----------------------------------------------------------------------------------|--------------------------|
| EAC |  | RU C-<br>DE.A*30.B.01082 |
|-----|-----------------------------------------------------------------------------------|--------------------------|

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>