

# MCR-PS- 24DC/24DC/200 - Converter



2766821

<https://www.phoenixcontact.com/us/products/2766821>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



DC/DC converter, with electrical isolation, input 20 V ... 30 V DC, output 24 V DC/200 mA

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2766821                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | CM02                           |
| Product key                          | CMDL43                         |
| GTIN                                 | 4017918066871                  |
| Weight per piece (including packing) | 123 g                          |
| Weight per piece (excluding packing) | 123 g                          |
| Customs tariff number                | 85044082                       |
| Country of origin                    | DE                             |

# MCR-PS- 24DC/24DC/200 - Converter



2766821

<https://www.phoenixcontact.com/us/products/2766821>

## Technical data

### Input data

|                                |                                    |
|--------------------------------|------------------------------------|
| Input voltage range            | 20 V DC ... 30 V DC                |
| Input voltage range DC         | 20 V DC ... 30 V <sub>PP</sub>     |
| Voltage type of supply voltage | DC                                 |
| Current consumption            | approx. 380 mA                     |
| Nominal power consumption      | approx. 7.6 W                      |
| Protective circuit             | Reverse polarity protection        |
| Input fuse                     | 0.5 A (normal blow, internal 5x20) |

### Output data

|                                          |                                      |
|------------------------------------------|--------------------------------------|
| Nominal output voltage                   | 24 V DC 5 %                          |
| Nominal output current (I <sub>N</sub> ) | 200 mA                               |
| Residual ripple                          | ≤ 250 mV <sub>PP</sub>               |
| Protective circuit                       | Current limitation at approx. 250 mA |

### Connection data

#### Input

|                                       |                     |
|---------------------------------------|---------------------|
| Connection method                     | Screw connection    |
| Conductor cross section, rigid min.   | 0.2 mm <sup>2</sup> |
| Conductor cross section, rigid max.   | 2.5 mm <sup>2</sup> |
| Conductor cross section flexible min. | 0.2 mm <sup>2</sup> |
| Conductor cross section flexible max. | 2.5 mm <sup>2</sup> |
| Conductor cross section AWG min.      | 24                  |
| Conductor cross section AWG max.      | 14                  |
| Stripping length                      | 8 mm                |
| Screw thread                          | M3                  |

#### Output

|                                       |                     |
|---------------------------------------|---------------------|
| Connection method                     | Screw connection    |
| Conductor cross section, rigid min.   | 0.2 mm <sup>2</sup> |
| Conductor cross section, rigid max.   | 2.5 mm <sup>2</sup> |
| Conductor cross section flexible min. | 0.2 mm <sup>2</sup> |
| Conductor cross section flexible max. | 2.5 mm <sup>2</sup> |
| Conductor cross section AWG min.      | 24                  |
| Conductor cross section AWG max.      | 14                  |
| Stripping length                      | 8 mm                |
| Screw thread                          | M3                  |

### Electrical properties

|                           |          |
|---------------------------|----------|
| Test voltage input/output | 500 V AC |
|---------------------------|----------|

### Product properties

# MCR-PS- 24DC/24DC/200 - Converter



2766821

<https://www.phoenixcontact.com/us/products/2766821>

|                |                       |
|----------------|-----------------------|
| Product type   | DC/DC converters      |
| Operating mode | 100% operating factor |

## Insulation characteristics

|                      |    |
|----------------------|----|
| Overvoltage category | II |
| Degree of pollution  | 2  |

## Dimensions

|                  |          |
|------------------|----------|
| Width            | 25 mm    |
| Height           | 85.5 mm  |
| Depth            | 79 mm    |
| Horizontal pitch | 1.4 Div. |

## Mounting

|                         |                                     |
|-------------------------|-------------------------------------|
| Assembly note           | Can be aligned with spacing = 10 mm |
| Mounting position       | vertical                            |
| With protective coating | no                                  |

## Environmental and real-life conditions

### Ambient conditions

|                                 |                |
|---------------------------------|----------------|
| Degree of protection            | IP20           |
| Ambient temperature (operation) | 0 °C ... 55 °C |

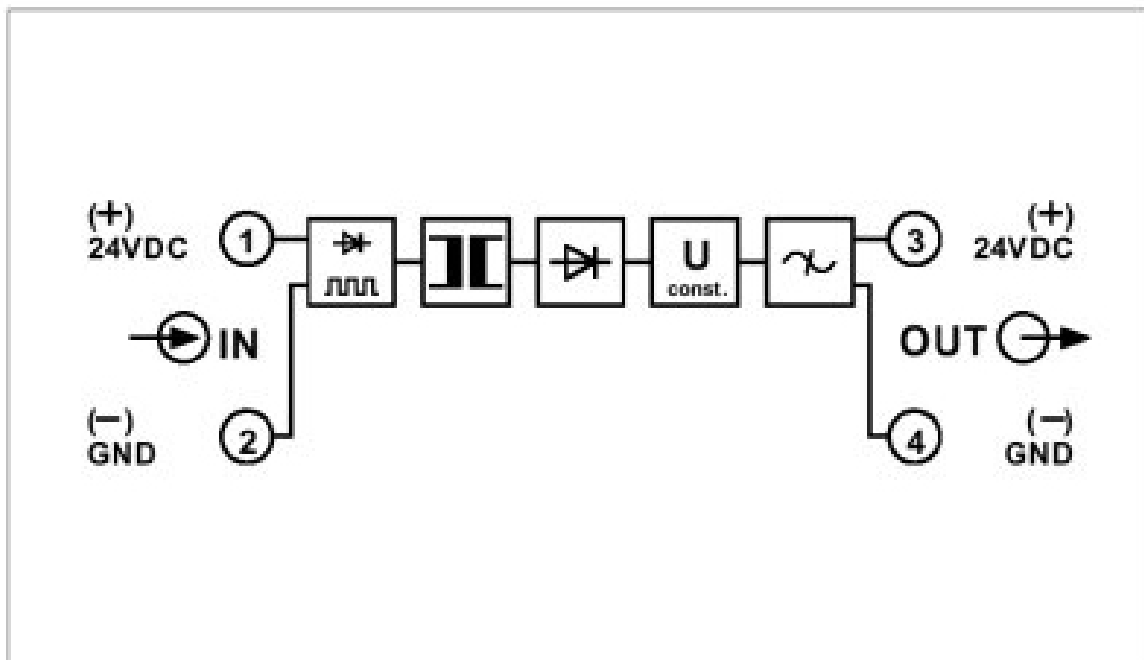
## Standards and regulations

### Standards

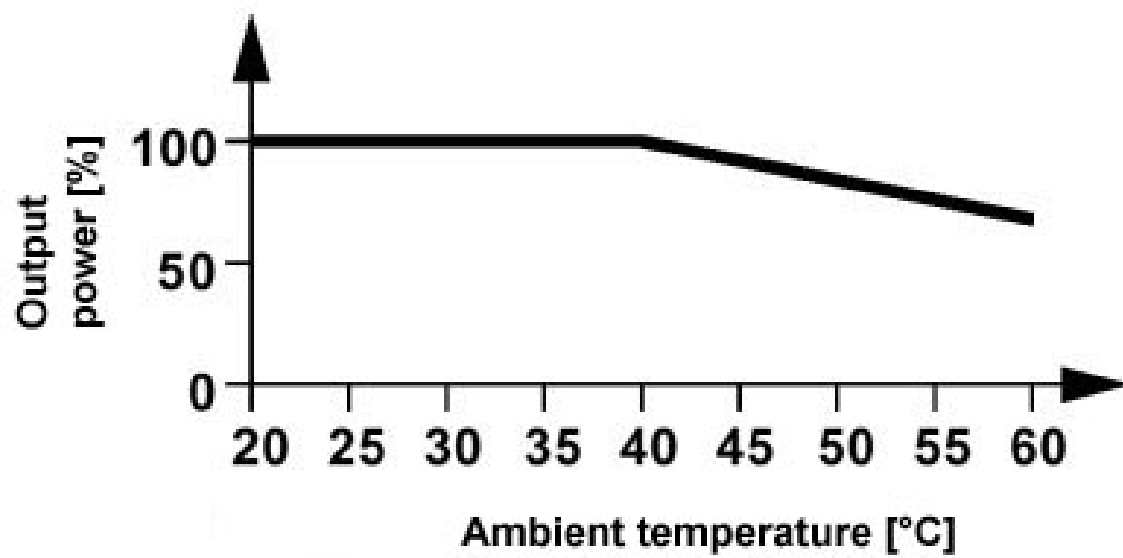
|                       |                |
|-----------------------|----------------|
| Standards/regulations | IEC 664        |
|                       | IEC 664 A      |
|                       | DIN VDE 0110-1 |

## Drawings

### Circuit diagram



Diagram



# MCR-PS- 24DC/24DC/200 - Converter



2766821

<https://www.phoenixcontact.com/us/products/2766821>

## Environmental product compliance

EU REACH SVHC

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

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)