

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



2766821

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

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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                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to Order (non-returnable) |
| Sales Key                            | C13                            |
| 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                             |

## 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 solid min.    | 0.2 mm <sup>2</sup> |
| Conductor cross section solid 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 solid min.    | 0.2 mm <sup>2</sup> |
| Conductor cross section solid 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

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|                |                       |
|----------------|-----------------------|
| 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 instructions   | 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

### Diagram

