



**Automatización Eléctrica**  
Especialistas en Automatización

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## Power terminal block - MINI MCR-2-PTB-PT - 2902067

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Power terminal with plug-in connection technology for delivering the supply voltage to the DIN rail connector. Monitoring of the supply voltages in combination with the fault monitoring module. Push-in connection technology

### Product Description

The power terminal with plug-in connection technology is used to deliver the supply voltage to the DIN rail connector. Two separate voltage inputs permit a redundant and diode-decoupled power supply up to a maximum current of 3.2 A. The FM power terminal offers the additional functions of monitoring in combination with the MINI MCR-2-FM-RC(-PT) fault monitoring module (Order No.: 2904504, 2904508), the flexible, redundant supply of one or both module sides, and an extended supply voltage range of 9.6...30 V DC. The power terminal supports NFC communication.



### Key Commercial Data

|              |                 |
|--------------|-----------------|
| Packing unit | 1 STK           |
| GTIN         | 4 046356 649940 |

### Technical data

#### Note

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

#### Dimensions

|        |          |
|--------|----------|
| Width  | 6.2 mm   |
| Height | 110.5 mm |
| Depth  | 120.5 mm |

#### Ambient conditions

|   |                               |
|---|-------------------------------|
| Degree of protection                    | IP20                          |
| Ambient temperature (operation)         | -40 °C ... 70 °C              |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C              |
| Permissible humidity (operation)        | 5 % ... 95 % (non-condensing) |

#### Output data

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## Technical data

### Output data

|                      |                        |
|----------------------|------------------------|
| Output voltage range | 9.6 V DC ... 29.7 V DC |
|----------------------|------------------------|

### General

|                           |  |
|---------------------------|--|
| Operating voltage display | Green LED (PWR 1)  |
|                           | Green LED (PWR 2)  |
| Mounting position         | any  |
| Assembly instructions     | The T connector can be used to bridge the supply voltage. It can be snapped onto a 35 mm DIN rail according to EN 60715. |

### Connection data, input

|                                       |                     |
|---------------------------------------|---------------------|
| Connection method                     | Push-in 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.      | 26                  |
| Conductor cross section AWG max.      | 12                  |
| Stripping length                      | 10 mm               |

### Standards and Regulations

|                               |  |
|-------------------------------|--|
| Electromagnetic compatibility | Conformance with EMC Directive 2004/108/EC (valid until 19.04.2016) / 2014/30/EU (valid from 20.04.2016) |
| Noise emission                | EN 61000-6-4   |
| Designation                   | Electromagnetic RF field   |
| Standards/regulations         | EN 61000-4-3   |
|                               | EN 61000-4-4   |
| Designation                   | Conducted interferences  |
| Standards/regulations         | EN 61000-4-6   |
| Conformance                   | CE-compliant   |
| ATEX                          | # II 3 G Ex nA IIC T4 Gc X   |
| UL, USA / Canada              | UL 508 Listed  |
|                               | Class I, Div. 2, Groups A, B, C, D T6  |
|                               | Class I, Zone 2, Group IIC T6  |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |

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## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 8.0 | 27242610 |
|------------|----------|

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC000237 |
| ETIM 4.0 | EC002542 |
| ETIM 5.0 | EC001600 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 26121604 |
| UNSPSC 7.0901 | 26121604 |
| UNSPSC 11     | 26121604 |
| UNSPSC 12.01  | 26121604 |
| UNSPSC 13.2   | 26121604 |

## Approvals

### Approvals

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#### Approvals

UL Listed / cUL Listed / EAC / GL / cULus Listed

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#### Ex Approvals

ATEX / UL Listed / cUL Listed / cULus Listed

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#### Approvals submitted

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### Approval details

|           |
|-----------|
| UL Listed |
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| cUL Listed |
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| EAC |
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|    |
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| GL |
|----|

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## Approvals

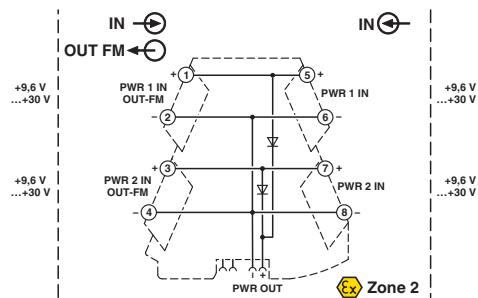
cULus Listed

## Drawings

Pictogram



Block diagram



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| Product   | Code    | Reference         | Product link               |
|---|---------|-------------------|----------------------------|
| Power terminal with plug-in connection technology for delivering the supply voltage to the DIN rail connector. Monitoring of the supply voltages in combination with the fault monitoring module. Push-in connection technology | 2902067 | MINI MCR-2-PTB-PT | <a href="#">Buy on EAN</a> |