

MINI MCR-SL-PTB-SP - Power terminal block



2864147

<https://www.phoenixcontact.com/us/products/2864147>

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MCR feed-in terminal for supplying several MINI Analog modules via a DIN rail connector, with spring-cage connection, maximum current consumption of up to 2 A. Replacement part: 2902067 MINI MCR-2-PTB-PT.

Your advantages

- For supplying the supply voltage via the foot element (DIN rail connector) where DC voltages of up to 30 V are already available
- Status and error indication via diagnostic LEDs
- For up to 2 A
- For up to 80 MINI analog modules
- Redundant supply decoupled from diode possible

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2864147 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C403 |
| Product key | DK113Z |
| GTIN | 4017918974787 |
| Weight per piece (including packing) | 79.4 g |
| Weight per piece (excluding packing) | 59.8 g |
| Customs tariff number | 85437090 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|----------------|----------------|
| Product type | Feed-in module |
| Product family | MINI Analog |

Input data

| | |
|-----------------------------|---------------------|
| Input voltage | 24 V DC |
| Input voltage range DC | 20 V DC ... 30 V DC |
| Max. input current | 2 A |
| Reverse polarity protection | yes |

Output data

| | |
|---|-----------------------|
| Output voltage range | Input voltage - 0.8 V |
| Maximum power dissipation for nominal condition | < 5 mW |

Connection data

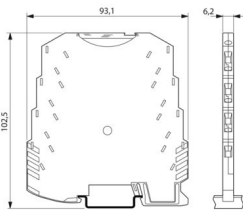
Input

| | |
|---------------------------------------|------------------------|
| Connection method | Spring-cage connection |
| Conductor cross-section, rigid min. | 0.2 mm ² |
| Conductor cross-section, rigid max. | 2.5 mm ² |
| Conductor cross-section flexible min. | 0.2 mm ² |
| Conductor cross-section flexible max. | 2.5 mm ² |
| Conductor cross-section AWG min. | 24 |
| Conductor cross-section AWG max. | 12 |
| Stripping length | 8 mm |

Signaling

| | |
|------------------|--------------------|
| Status display | Green LED (supply) |
| Error indication | Red LED |

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 6.2 mm |
| Height | 93.1 mm |
| Depth | 102.5 mm |

Material specifications

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| | |
|--|-------------|
| Housing material | PBT |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 2 |
| Fire protection for rail vehicles (DIN EN 45545-2) R23 | HL 1 - HL 2 |
| Fire protection for rail vehicles (DIN EN 45545-2) R24 | HL 1 - HL 2 |

Environmental and real-life conditions

Ambient conditions

| | |
|---|------------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -20 °C ... 65 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |

Approvals

Conformity/Approvals

| | |
|------------------|--|
| Conformance | CE-compliant |
| ATEX | ⊕ II 3 G Ex nA IIC T4 Gc X |
| UL, USA / Canada | UL 508 Recognized Class I, Div. 2, Groups A, B, C, D T5 |
| GL | GL EMC 2 D |

EMC data

| | |
|-------------------------------|--|
| Electromagnetic compatibility | Conformance with EMC directive |
| Noise immunity | EN 61000-6-2 |
| Note | When being exposed to interference, there may be minimal deviations. |

Noise emission

| | |
|-----------------------|--------------|
| Standards/regulations | EN 61000-6-4 |
|-----------------------|--------------|

Electrostatic discharge

| | |
|-----------------------|--------------|
| Standards/regulations | EN 61000-4-2 |
|-----------------------|--------------|

Electrostatic discharge

| | |
|----------|---|
| Comments | Safety measures must be taken to prevent electrostatic discharge. |
|----------|---|

Electromagnetic HF field

| | |
|-----------------------|--------------------------|
| Designation | Electromagnetic RF field |
| Standards/regulations | EN 61000-4-3 |
| Evaluation criterion | A |

Fast transients (burst)

| | |
|-----------------------|-------------------------|
| Designation | Fast transients (burst) |
| Standards/regulations | EN 61000-4-4 |
| Evaluation criterion | B |

Surge current load (surge)

| | |
|-----------------------|--------------|
| Standards/regulations | EN 61000-4-5 |
|-----------------------|--------------|

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Surge current load (surge)

| | |
|----------|-------------|
| Comments | Criterion B |
|----------|-------------|

Conducted interference

| | |
|-----------------------|-------------------------|
| Designation | Conducted interferences |
| Standards/regulations | EN 61000-4-6 |
| Evaluation criterion | A |

Mounting

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|-------------------|---|
| Mounting type | DIN rail mounting |
| Assembly note | The DIN rail connector can be used for bridging the supply voltage. It can be snapped onto a 35 mm EN 60715 DIN rail. |
| Mounting position | any |

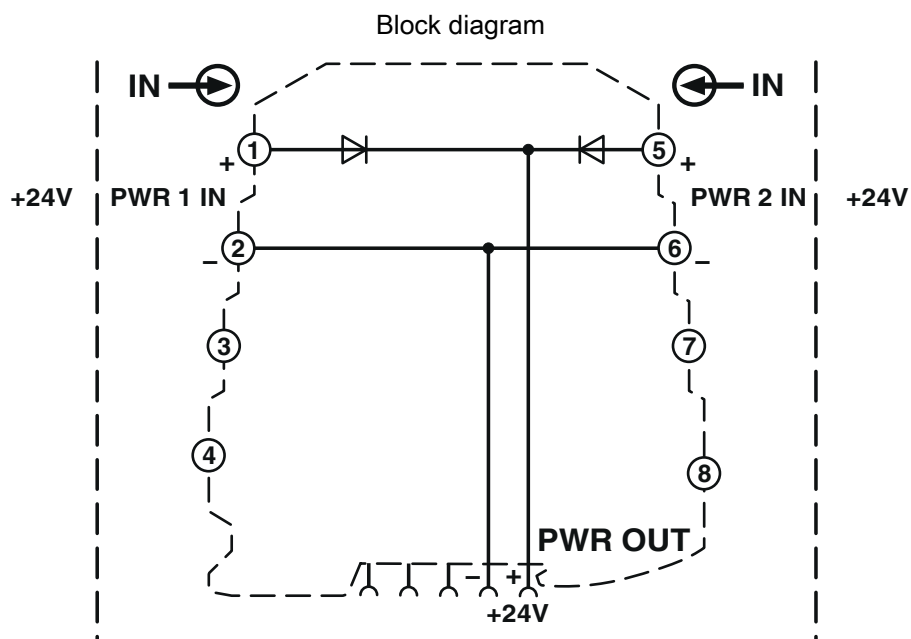
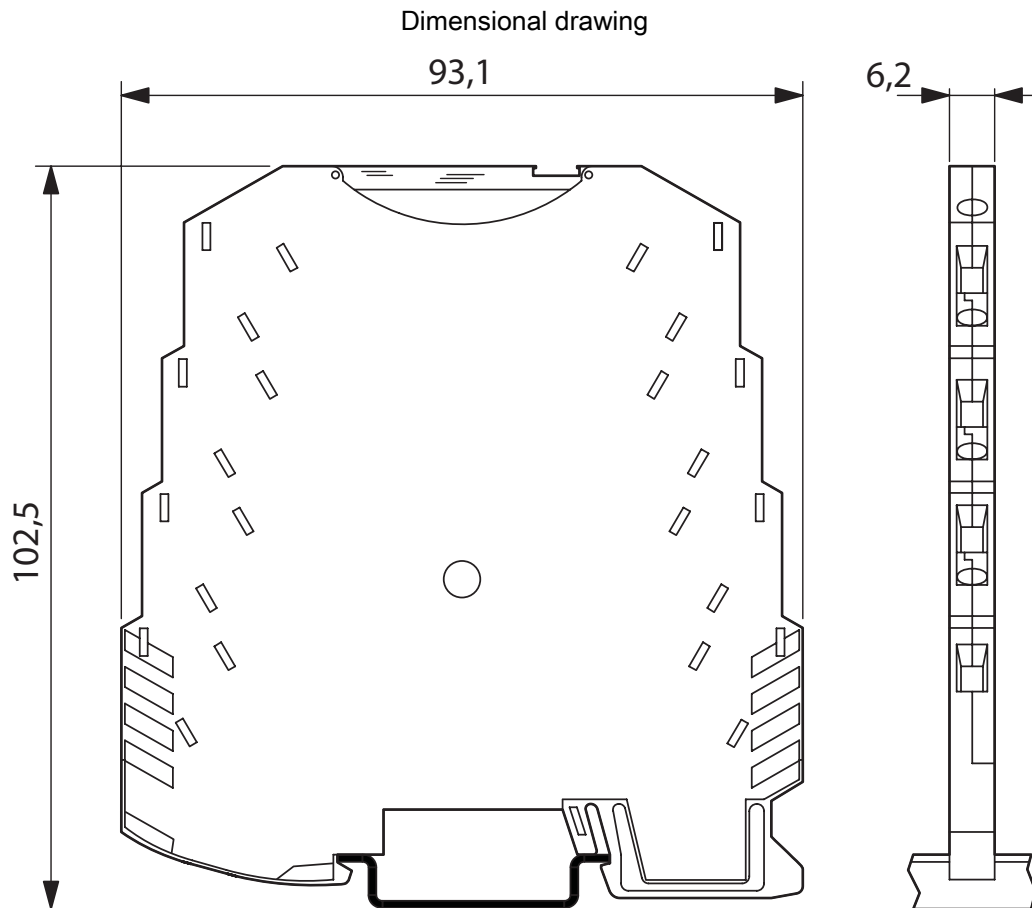
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Drawings



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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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