

ME-IO-S 12 IO 100 7035 - Electronics housing



1569889

<https://www.phoenixcontact.com/us/products/1569889>

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DIN rail housing, I/O housing, with vents, width: 12 mm, height: 100 mm, depth: 80 mm, color: light gray (similar RAL 7035), cross connection: Bus connector (optional), number of positions cross connector: 8

Your advantages

- Simple module assembly with 2 side panels and 1 DIN rail fixing lever
- High connection density with 18-pos. connector with 5 mm pitch
- Ideal for price-sensitive applications thanks to the simple design and predefined module layout
- Easy cabling in the module thanks to pre-printed 18-pos. front connector
- Features a space-saving status indicator

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1569889 |
| Packing unit | 60 pc |
| Minimum order quantity | 60 pc |
| Sales key | AC15 |
| Product key | ACHEBF |
| GTIN | 4067923057869 |
| Weight per piece (including packing) | 42 g |
| Weight per piece (excluding packing) | 40 g |
| Customs tariff number | 84879090 |
| Country of origin | CN |

Technical data

Notes

| | |
|----------------|---|
| Recommendation | Further information and detailed dimensions are available in the download area. |
|----------------|---|

Product properties

| | |
|------------------------------|--------------------------|
| Product type | Complete housing |
| Housing type | DIN rail housing |
| Housing type | Multifunctional housings |
| Housing series | ME-IO-S |
| Product family | ME-IO-S.. |
| Max. number of positions | 18 (pitch: 5 mm) |
| Ventilation openings present | yes |

Dimensions

| | |
|--------|--------|
| Width | 12 mm |
| Height | 100 mm |
| Depth | 80 mm |

PCB design

| | |
|---------------|-------------------|
| PCB thickness | 1.1 mm ... 1.3 mm |
|---------------|-------------------|

Material specifications

| | |
|----------------------------|------------------------|
| Color (Housing) | light gray (RAL 7035) |
| Color (Base latch) | deep orange (RAL 2011) |
| Material Housing | PC |
| Material Base latch | POM |
| CTI according to IEC 60112 | 600 |
| Surface characteristics | untreated |

Environmental and real-life conditions

Vibration test

| | |
|------------------------|-----------------------------|
| Specification | IEC 60068-2-6:2007-12 |
| Frequency | 10 - 150 - 10 Hz |
| Sweep speed | 1 octave/min |
| Amplitude | 0.35 mm (10 Hz ... 60.1 Hz) |
| Acceleration | 5g (60.1 Hz ... 150 Hz) |
| Test duration per axis | 2.5 h |
| Test directions | X-, Y- and Z-axis |

Glow-wire test

| | |
|---------------|------------------------|
| Specification | IEC 60695-2-11:2021-10 |
| Temperature | 850 °C |

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| | |
|------------------|------|
| Time of exposure | 30 s |
|------------------|------|

Needle-flame test

| | |
|---------------|------------------------|
| Specification | IEC 60695-11-5:2016-12 |
|---------------|------------------------|

Thermal stability / ball thrust test

| | |
|---------------|------------------------|
| Specification | IEC 60695-10-2:2014-02 |
| Temperature | 125 °C |
| Test duration | 1 h |
| Force | 20 N |

Shocks

| | |
|--------------------------------|-----------------------------------|
| Specification | IEC 60068-2-27 |
| Pulse shape | Semi-sinusoidal |
| Acceleration | 15g |
| Shock duration | 11 ms |
| Number of shocks per direction | 3 |
| Test directions | X-, Y- and Z-axis (pos. and neg.) |

Degree of protection (IP code)

| | |
|---------------|---|
| Specification | IEC 60529:1989-11 + AMD 1:1999-11 + AMD 2:2013-08 |
|---------------|---|

Ambient conditions

| | |
|---|--|
| Max. IP code to attain | IP20 |
| Ambient temperature (operation) | -40 °C ... 105 °C (depending on power dissipation) |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |
| Ambient temperature (assembly) | -5 °C ... 100 °C |
| Relative humidity (storage/transport) | 95 % |

PCB data

| | |
|-----------------------|-------------------|
| Number of PCB holders | 1 |
| Type of PCB mount | Latching |
| Thickness of the PCB | 1.1 mm ... 1.3 mm |

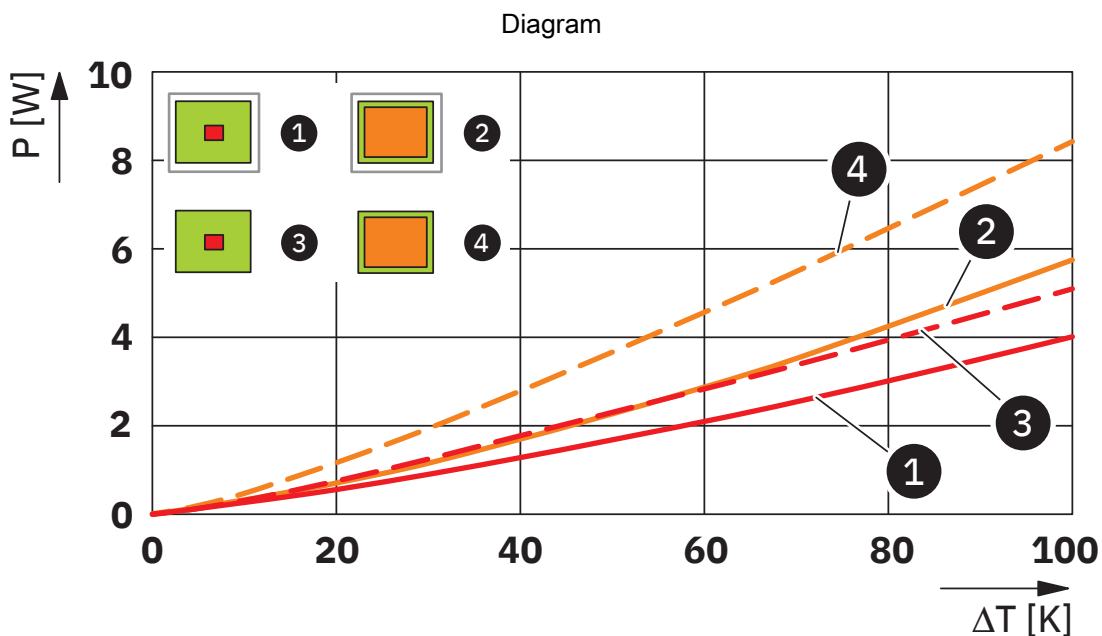
Mounting

| | |
|---------------|-------------------|
| Mounting type | DIN rail mounting |
|---------------|-------------------|

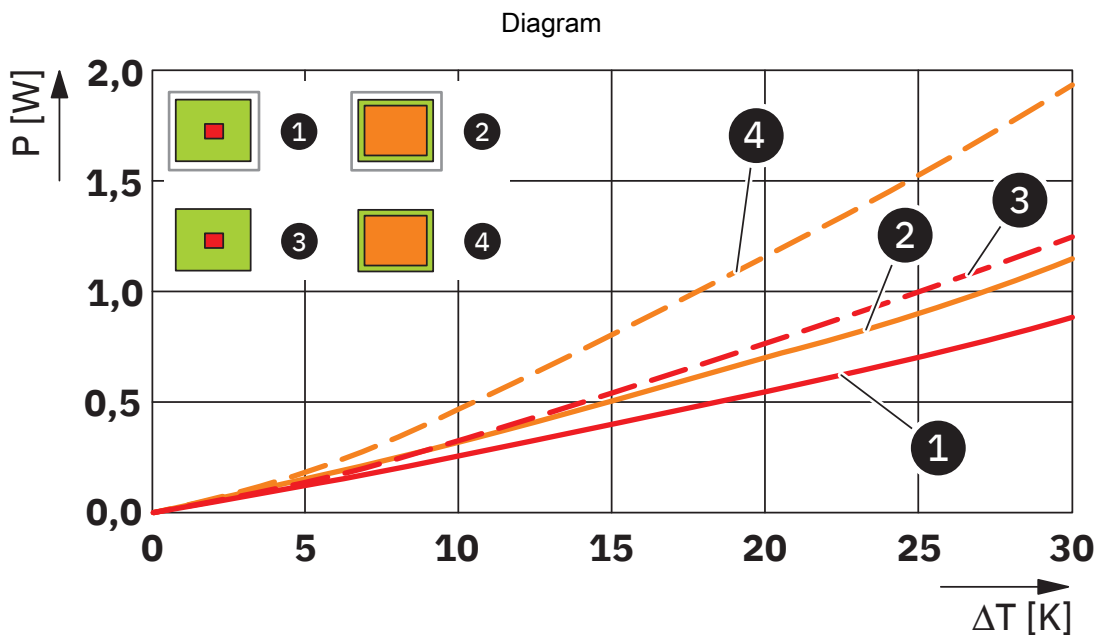
Packaging specifications

| | |
|----------------------|---------------------|
| Type of packaging | packed in cardboard |
| Outer packaging type | Carton |

Drawings



Power dissipation diagram for 0 K ... 100 K



Power dissipation diagram for 0 K ... 30 K

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27190101 |
| ECLASS-15.0 | 27190101 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC001031 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 31261500 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

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

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