

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



1569889

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

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.



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

1569889

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

## 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
Flammability rating according to UL 94	V0

### 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
Time of exposure	30 s

1569889

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

## 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 60068-2-27:2008-02
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

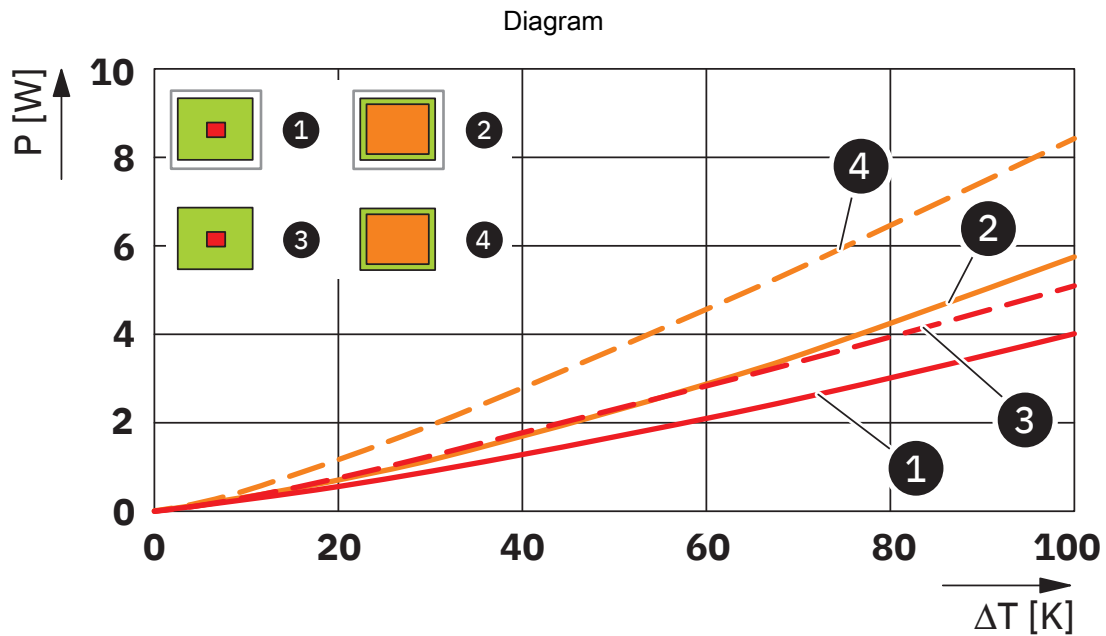
## Mounting

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

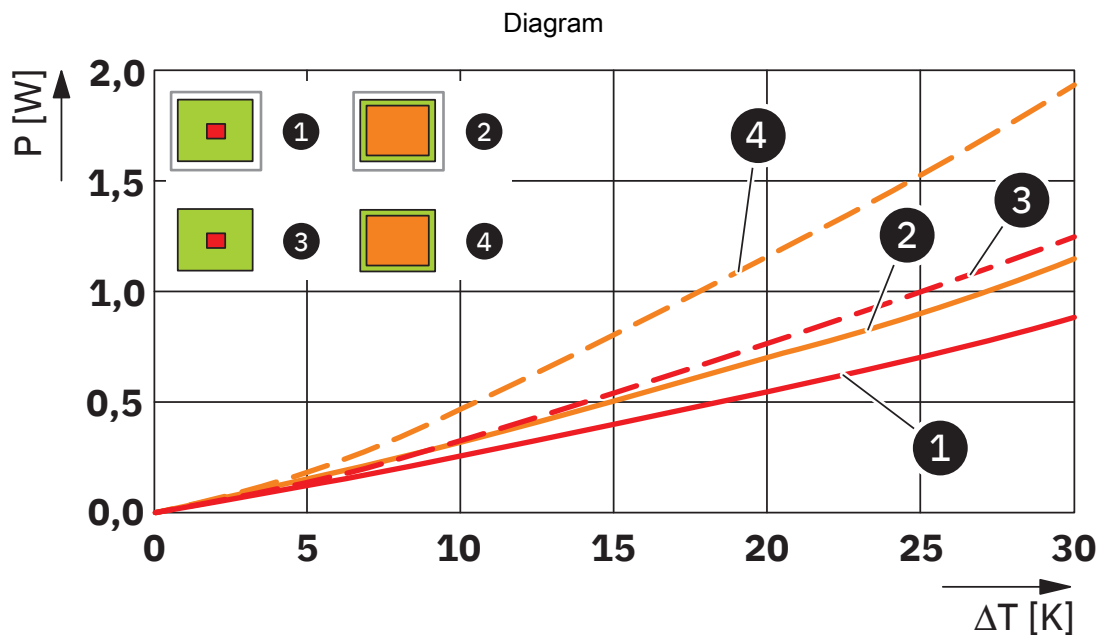
## Packaging specifications

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

1569889

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

## Classifications

### ECLASS

ECLASS-13.0	27190101
ECLASS-15.0	27190101

### ETIM

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

### UNSPSC

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

1569889

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

## 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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - 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)