

# EEM-TEMP-MA600 - Function module



2901949

<https://www.phoenixcontact.com/us/products/2901949>

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.

Function module for detection from three Pt 100 temperature sensors (-20°C ... +150°C) for EEM-MA600



## Commercial data

Item number	2901949
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C440
Product key	CMMC11
GTIN	4046356640992
Weight per piece (including packing)	132.3 g
Weight per piece (excluding packing)	132.3 g
Customs tariff number	90251920
Country of origin	HU

## Technical data

### Notes

#### Utilization restriction

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

### Product properties

#### Insulation characteristics

Overvoltage category	III (For mains voltage <300 V AC (L/N)) II (for mains voltage >300 V AC ... 600 V AC (L/N))
Pollution degree	2

### Electrical properties

Electrical isolation	EN 61010-1 (Safe isolation) EN 61010-1 (Basic insulation)
Test voltage	3.5 kV AC (50 Hz, 1 min.) 2.2 kV AC (50 Hz, 1 min.)

#### Supply

Supply voltage	9 V (via EEM-MA600)
----------------	---------------------

### Input data

#### Digital

Description of the input	Pt 100 input: 2-, 3-, 4-conductor
Number	3
Temperature range	-20 °C ... 150 °C (Connected sensors) -10 °C ... 55 °C (in the immediate vicinity)
Transmission error	0.5 K/m (2-conductor) 0.25 K/m (3-conductor) 0 K/m (4-conductor)
Basic accuracy	± 1 K

### Connection data

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross-section rigid	0.14 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>
Conductor cross-section flexible	0.14 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>
Conductor cross-section AWG	26 ... 20

### Dimensions

Width	22.5 mm
Height	65 mm

# EEM-TEMP-MA600 - Function module



2901949

<https://www.phoenixcontact.com/us/products/2901949>

Depth	48 mm
-------	-------

## Material specifications

Color	black (RAL 9005)
-------	------------------

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-10 °C ... 55 °C (14 °F ... 131 °F)
Ambient temperature (storage/transport)	-20 °C ... 85 °C (-4 °F ... 185 °F)
Max. permissible relative humidity (operation)	≤ 95 %
Max. salt spray content	≤ 2.5 %

## Approvals

### CE

Certificate	CE-compliant
-------------	--------------

# EEM-TEMP-MA600 - Function module



2901949

<https://www.phoenixcontact.com/us/products/2901949>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements

Yes, No exemptions

### 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)