

# EEM-TEMP-MA600 - Function module



2901949

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

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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
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### 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)
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### 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

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Depth	48 mm
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## Material specifications

Color	black (RAL 9005)
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## 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
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### EU REACH SVHC

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