

# EEM-RS485-MA400 - Communication module



2901365

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RS-485 JBUS/MODBUS communication module for EEM-MA400



## Your advantages

- RS-485 (JBUS/MODBUS)

## Commercial data

Item number	2901365
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C446
Product key	CMMC12
GTIN	4046356584265
Weight per piece (including packing)	135.7 g
Weight per piece (excluding packing)	123.7 g
Customs tariff number	85176200
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

Product type	Communication module
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#### Insulation characteristics

Overvoltage category	III
Pollution degree	2

### Electrical properties

Rated insulation voltage	300 V AC (EN 61010-1)
Electrical isolation	EN 61010-1 (Safe 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/EEM-MA400)
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### Connection data

Connection method	COMBICON plug-in screw terminal block
Stripping length	6 mm
Conductor cross-section rigid	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	20 ... 14
Tightening torque	0.4 Nm ... 0.4 Nm

### Interfaces

#### Data: Modbus RTU/JBUS

Interface	RS-485
Serial transmission speed	2,4 ... 38.4 kbps
Connection method	COMBICON plug-in screw terminal block
Connection technology	2-, 3-conductor
Transmission length	≤ 1200 m
Termination resistor	120 Ω (switchable via DIP switches)

#### Data

Communication protocol	Modbus RTU/JBUS
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Communication standard	RS-485
Connection method	COMBICON plug-in screw terminal block
Transmission speed range	2.4 kbps ... 38.4 bps (Serial)

## Dimensions

Width	22.5 mm
Height	65 mm
Depth	48 mm

## 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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### UL, USA/Canada

Identification	UL 61010-1
	CSA-C22.2 No. 61010-1
	cULus

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)