

EEM-ETH-RS485-MA600 - Communication module



2901374

<https://www.phoenixcontact.com/us/products/2901374>

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.



Gateway RS-485/Ethernet communication module for the EEM-MA600 with integrated web server

Your advantages

- Ethernet/RS-485 gateway
- Modbus/RTU master for up to 246 slaves

Commercial data

Item number	2901374
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C446
Product key	CMMC12
GTIN	4046356585781
Weight per piece (including packing)	193.1 g
Weight per piece (excluding packing)	183.4 g
Customs tariff number	85176200
Country of origin	DE

Technical data

Notes

Utilization restriction

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

Product properties

Product type	Communication module
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 (Safe isolation)
Test voltage	3.5 kV AC (50 Hz, 1 min.)

Supply

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

Connection data

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

Interfaces

Data: Modbus/TCP

Interface	Ethernet (RJ45)
Serial transmission speed	10/100 Mbps

Data: Modbus RTU/JBUS

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

Data

EEM-ETH-RS485-MA600 - Communication module



2901374

<https://www.phoenixcontact.com/us/products/2901374>

Communication protocol	Modbus/TCP
Communication standard	RJ45

Dimensions

Width	45 mm
Height	65 mm
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
-------------	--------------

UL, USA/Canada

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

EEM-ETH-RS485-MA600 - Communication module



2901374

<https://www.phoenixcontact.com/us/products/2901374>

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