

# EEM-2DIO-MA600 - Function module



2901371

<https://www.phoenixcontact.com/us/products/2901371>

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.

Special functional module with two digital inputs and outputs for EEM-MA600



## Your advantages

- 2 digital inputs and outputs
- Configurable threshold values

## Commercial data

Item number	2901371
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C446
Product key	CMMC12
GTIN	4046356585019
Weight per piece (including packing)	149 g
Weight per piece (excluding packing)	137.8 g
Customs tariff number	90303100
Country of origin	HU

# EEM-2DIO-MA600 - Function module



2901371

<https://www.phoenixcontact.com/us/products/2901371>

## 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 (Safe isolation)
Test voltage	3.5 kV AC (50 Hz, 1 min.)

#### Supply

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

### Input data

#### Digital

Description of the input	Optocoupler input
Number	2
Voltage input signal	10 V DC ... 30 V DC
Input pulse length	10 ms
Peak offstate voltage	30 V DC

### Output data

Output description	Relay output
Number	2
Maximum switching voltage	250 V AC/DC
Switching power	1150 VA (5 A / 230 V AC)
Electrical service life	1 x 10 <sup>6</sup> (Switching cycles with ohmic load)

### 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

# EEM-2DIO-MA600 - Function module



2901371

<https://www.phoenixcontact.com/us/products/2901371>

## Interfaces

### Data

Connection method	Pluggable screw terminal block
-------------------	--------------------------------

### Data

Connection method	Pluggable screw terminal block
-------------------	--------------------------------

## Dimensions

Width	22.5 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-2DIO-MA600 - Function module



2901371

<https://www.phoenixcontact.com/us/products/2901371>

## 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)