


# Measuring instrument - EEM-EM325 - 2908576

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Three-phase power meter for active power measurement with current transformer measurement 1 A / 5 A in networks of up to 500 V, with S0 output, with digital input and MBUS interface, certified in accordance with the MID directive.



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 338224
GTIN	4055626338224
Weight per Piece (excluding packing)	382.200 g
Sales Key	CK4C11

## Technical data

### Dimensions

Width	72 mm
Height	90 mm
Depth	67 mm

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 75 °C
Max. permissible relative humidity (operation)	80 %
Degree of protection	IP51 (Front)
	IP20 (Connections)

### Input data

Designation	Measuring input
Input voltage range	3x 184 V ... 288 V (320 V ... 500 V)
Power consumption	7.5 VA (0.5 W)
Frequency range	45 Hz ... 65 Hz
Energy (EN 50470-3)	Class B

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## Technical data

### Input data

Real energy (IEC 62053-21)	Class 1
Reactive power (IEC 62053-23)	Class 2
Designation	Digital input
Description of the input	Active opto-isolated
Input voltage range	80 V AC/DC ... 276 V AC/DC

### Output data

Designation	S0 output
Output description	Passive opto-isolated
Maximum switching voltage	27 V DC
Max. switching current	27 mA

### Communication interface

Communication standard	EN 13757-1-2-3
Transmission speed range	300 bps ... 9600 bps

### General

Degree of protection	IP51 (Front)
	IP20 (Connections)
Protection class	II (EN 50470-1)
Electric strength	6 kV
	4 kV (EN 50470-3, 7.2)

### Connection data

Connection name	Measurement connection
Connection method	Screw connection
Conductor cross section solid	1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Tightening torque	1.5 Nm

### Connection data 2

Connection name	Other connections
Connection method	Screw connection
Conductor cross section solid	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Tightening torque	0.5 Nm

### Standards and Regulations

Standards/regulations	EN 50470-1
	EN 50470-3
Conformance	CE-compliant
MID	MID-compliant

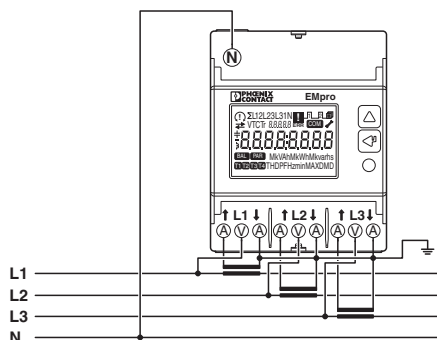
### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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## Drawings

Connection diagram



## Classifications

### eCl@ss

eCl@ss 5.0	27200307
eCl@ss 5.1	27200307
eCl@ss 6.0	27142300
eCl@ss 7.0	27142330
eCl@ss 8.0	27142330
eCl@ss 9.0	27142330

### ETIM

ETIM 4.0	EC002308
ETIM 5.0	EC002308
ETIM 6.0	EC002301
ETIM 7.0	EC002301

## Approvals

### Approvals

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Approvals

EAC

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Ex Approvals

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### Approval details

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### Approvals

EAC



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DE.A\*30.B.01628