

# Measuring instrument - EEM-350-D-MCB - 2905849


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Three-phase energy meter for real power measurement in networks up to 460 V / 65 A, with 3 digital inputs and RS-485 interface, certified according to the MID directive



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 000855
GTIN	4055626000855

## 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)	-30 °C ... 70 °C
Permissible humidity (storage/transport)	0 % ... 90 %
Max. permissible relative humidity (operation)	< 90 %
Degree of protection	IP50 (Front)
	IP20 (Back side)

### Input data

Measuring principle	True r.m.s. value measurement
Measured value	AC sine (50/60 Hz)
Input name	Voltage measuring input V1, V2, V3
Input voltage range	196 V AC ... 460 V AC (Phase/Phase)
	113 V AC ... 265 V AC (Phase/neutral conductor)
Surge voltage capacity	460 V AC (Permanent)

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## Technical data

### Input data

Precision	0.5 % (Phase/neutral conductor)
Input name	Current measuring input I1, I2, I3
Input current	10 A (scaled nominal current)
	65 A ( $I_{max}$ )
Overload capacity	1920 A (10 ms)
Precision	0.5 %
	1 % (Effective and apparent power)
Reactive power (IEC 62053-23)	Class 2
Description of the input	Digital input
Number	3
Voltage input signal	5 V DC $\pm 5$ %

### Interfaces

Designation	Modbus RTU/JBUS
Interface	RS-485
Connection method	Screw terminal blocks

### General

Display	LCD display
Measuring rate	750 ms
Supply voltage range	Measurement voltage supply
Power consumption	$\leq 12$ VA (2 W)
Mains type	3-phase (4-conductor)
Color	black
Conformance	CE-compliant
Rated insulation voltage	300 V AC (EN 61010-1)
Test voltage	4 kV AC (50 Hz, 1 min.)

### Standards and Regulations

Conformance	CE-compliant
MID	Attachment V

### Environmental Product Compliance

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

## Classifications

### eCl@ss

eCl@ss 10.0.1	27142330
eCl@ss 4.0	27271100
eCl@ss 5.0	27200300
eCl@ss 5.1	27200300

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## Classifications

### eCl@ss

eCl@ss 6.0	27142300
eCl@ss 7.0	27142330
eCl@ss 8.0	27142330
eCl@ss 9.0	27142330

### ETIM

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

## Approvals

### Approvals

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Approvals

PTB-BG

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Ex Approvals

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### Approval details

PTB-BG	DE-14- MI003-PTB002
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