



ECM300C

### 3 Phase kWhmeter via CT 1A or 5A 4M MBUS MID

#### Technical characteristics

##### Architecture

Number of poles	4 P
Fixing mode	DIN rail type O (symmetrical)

##### Functions

Tarif type	T1...T2 (230V AC) / T1...T2 M-BUS
------------	-----------------------------------

##### Configuration

Number of modules	4
-------------------	---

##### Compatibility

Suitable for	Purchase / supply
--------------	-------------------

##### Main electrical features

Rated operational voltage Ue	92 / 480 V
Type of supply voltage	AC
Frequency	50 Hz

##### Voltage

Max operating voltage	300 V
Rated impulse withstand voltage	6 kV

##### Electric current

Minimum operating current	0.001 A
Operating current	0.001 / 6 A
Rated current	5 A
Reference current	1 A
Max. measurement circuit current	6 A

##### Dimensions

Depth of installed product	60 mm
Height of installed product	90 mm
Width of installed product	72 mm

##### Power

Power consumed	2 VA
Total power loss under IN	0.6 W

##### Electrical specifications

Type of pulse generator	optical
-------------------------	---------

**Measurement**

Frequency measuring range	45 to 65 Hz
Type of measuring instrument	electronical
Principle of measurement	Measurement transformer

**Installation, mounting**

Mounting type	din-Rail
---------------	----------

**Connection**

Wire cross section of metering entrance wire	4 mm <sup>2</sup>
Wire cross section of metering outgoing wire	4 mm <sup>2</sup>

**Settings**

Transformer interpretation adjustable	1
---------------------------------------	---

**Equipment**

Type of display	retro illuminated display
Tariff model of kilowatt-hour meter	Externa
Type of counter	4 wires counter

**Standards**

Standard text	EN 50470-1 / 3 ; IEC 62053-21 / 23 ; IEC 61557-12
European directive WEEE	concerned

**Safety**

Protection index IP	IP20
Protection class	isol.class II

**Use conditions**

Operating temperature	-25...55 °C
Altitude	2000 m
Storage/transport temperature	-25...70 °C