



ECM300C

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

Technical properties

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 ² |
| Wire cross section of metering outgoing wire | 4 mm ² |

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 |