



ECR380D



3 Phase kWhmeter direct 80A 4M MODBUS MID

Technical properties

Architecture

| | |
|-----------------|--------|
| Bus system | MODBUS |
| Number of poles | 4 P |
| Type of pole | 3P+N |

Functions

| | |
|-----------------|------------------------------------|
| Precision class | B |
| Tarif type | T1...T2 (230V AC) / T1...T8 Modbus |

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 | 0.015 A |
| Operating current | 0.015 / 80 A |
| Rated current | 80 A |
| Reference current | 5 A |
| Max. measurement circuit current | 80 A |

Dimensions

| | |
|-----------------------------|-------|
| Depth of installed product | 60 mm |
| Height of installed product | 92 mm |
| Width of installed product | 72 mm |

Power

| | |
|---------------------------|-------|
| Power consumed | 2 VA |
| Total power loss under IN | 0.6 W |

Electrical specifications

Measurement

| | |
|------------------------------|--------------------|
| Frequency measuring range | 45 to 65 Hz |
| Type of measuring instrument | electrical |
| Principle of measurement | Direct measurement |

Power supply

| | |
|----------------|-----------------|
| Supply voltage | 400 V \pm 20% |
|----------------|-----------------|

Installation, mounting

| | |
|-------------------|----------|
| Tightening torque | 2Nm |
| Mounting type | din-Rail |

Connection

| | |
|--|--------------------|
| Wire cross section of metering entrance wire | 33 mm ² |
| Wire cross section of metering outgoing wire | 33 mm ² |

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 |
| Certified product | MID (Measuring Instruments Directive) |

Safety

| | |
|------------------|---------------|
| Protection class | isol.class II |
| REACH conform | Yes |
| RoHS conform | Yes |
| Halogen free | Yes |

Use conditions

| | |
|--|-------------|
| Operating temperature | -25...55 °C |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2 |
| Altitude | 2000 m |
| Storage/transport temperature | -25...70 °C |