



ECR180D

1 Phase kWhmeter direct 80A 2M MODBUS MID

Technical Features

Architecture

| | |
|--------------|--------|
| Bus system | MODBUS |
| Type of pole | 1P+N |

Electric current

| | |
|---------------|------|
| Rated current | 80 A |
|---------------|------|

Capacity

| | |
|-------------------|---|
| Number of modules | 2 |
|-------------------|---|

Connectivity

| | |
|--------------------|-----------------------|
| Type of connection | Direct connection |
| Connectivity type | ModBus RS-485 3 wires |

Dimensions

| | |
|--------|-------|
| Height | 92 mm |
| Width | 36 mm |
| Depth | 60 mm |

Equipment

| | |
|-------------------------|---------|
| Type of pulse generator | Optical |
|-------------------------|---------|

Compatibility

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

Connection

| | |
|----------------------------------|-------------------------|
| Cross-section of metering input | 33 - 33 mm ² |
| Cross-section of metering output | 33 - 33 mm ² |
| Connector/plug type Bus system | Bus connection terminal |

Installation, mounting

| | |
|---------------------------|----------|
| Nominal tightening torque | 2 - 2 Nm |
| Mounting on | DIN rail |

Mechanical features

| | |
|--|----------------|
| Nominal tightening torque digital terminal | 0.50 - 0.50 Nm |
|--|----------------|

Measurement

| | |
|--------------------------------|--------------------|
| Measuring system | Direct measurement |
| Type of measuring instrument | Electronic |
| Current measurement range | 0.25 - 80.0 A |
| Measurement range voltage Ph-N | 92 - 276 V |
| Frequency measuring range | 45 - 65 Hz |

Power supply

| | |
|-----------------------------------|---|
| Number of phases for power supply | 1 |
|-----------------------------------|---|

Functions

| | |
|----------------|----------------------------------|
| Accuracy class | B |
| Tariff type | T1...T2 (230V AC)/T1...T8 Modbus |
| Is calibrated | Yes |

Safety

| | |
|-------------------------------|------|
| Ingress Protection (IP) class | IP20 |
|-------------------------------|------|

Use conditions

| | |
|-------------------------------|-------------|
| Operating temperature | -25 - 55 °C |
| Storage/transport temperature | -25 - 70 °C |

Power

| | |
|---------------------------|------|
| Power consumption VA | 2 VA |
| Total power loss under IN | 1 W |

Electric current

| | |
|-----------------------------------|------|
| Maximum measuring circuit current | 80 A |
|-----------------------------------|------|

Frequency

| | |
|-----------|------------|
| Frequency | 50 - 50 Hz |
|-----------|------------|

Sustainability

| | |
|-----------------|-----|
| REACH-SVHC free | Yes |
| RoHS conform | Yes |