

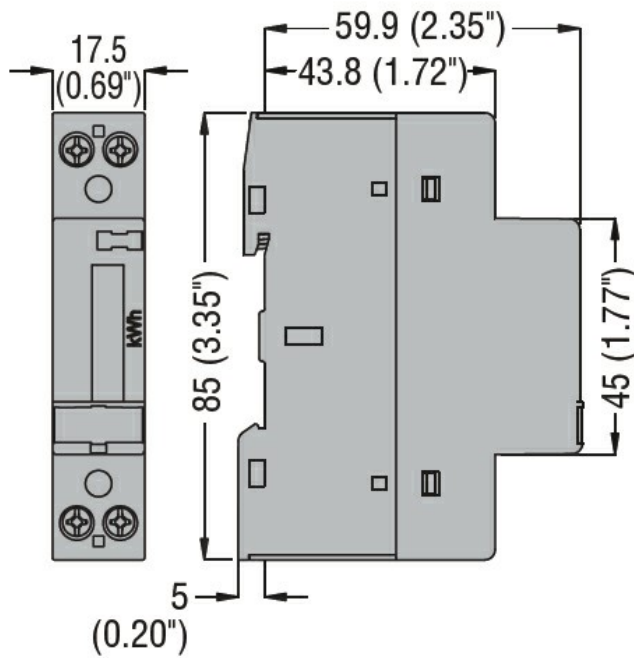


Single-phase
energy meters
DMED100T1A120
single-phase
1

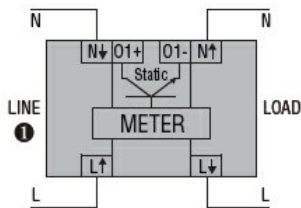
| | | | |
|---------------------------------------|-----------------|---------------------------|-----------|
| Product designation | | | |
| Product type designation | | | |
| Type | | | |
| DIN rail module number | | | |
| Auxiliary supply Us | | | |
| Operational frequency | max | Hz | 60 |
| Power consumption | Max | VA | 7 |
| Power dissipation Max | | W | 0.45 |
| Measuring voltage inputs | | | |
| Rated voltage (Ue) | phase-neutral | VAC | 110...120 |
| Operating voltage range | phase-neutral | VAC | 93...264 |
| Connection method | Direct | | |
| Current | | | |
| IEC maximum (Imax) | | A | 40 |
| IEC minimum (Imin) | | A | 0.25 |
| IEC rated (Iref-Ib) | | A | 5 |
| IEC start (Ist) | | mA | 20 |
| Transition (Itr) | | A | 0.5 |
| Accuracy | | | |
| | Active energy | Class 1 (IEC/EN 62053-21) | |
| | Reactive energy | Class 2 (IEC/EN 62053-23) | |
| Output characteristics | | | |
| LED Pulse rate | | pulse/kWh | 1000 |
| LED Pulse duration | | ms | 30 |
| Static output pulse rate | | pulse/kWh | 10 |
| Static output pulse duration | | ms | 100 |
| Static output external voltage | | VDC | 10...30 |
| Static outputs Maximum current | | mA | 50 |
| Insulations | | | |
| Rated insulation voltage Ui IEC/EN | | V | 250 |
| Rated impulse withstand voltage Uimp | | kV | 6 |
| Operating frequency withstand voltage | | kV | 4 |
| Mechanical features | | | |
| Housing type | Polyamide | | |
| Terminals type | Fixed | | |
| Conductor cross section | min | mm ² | 1.5 |
| | Max | mm ² | 10 |

| | | | |
|---------------------------|-----|------|----------|
| | min | AWG | 16 |
| | Max | AWG | 6 |
| Tightening torque (Max) | | | |
| | | Nm | 1.5 |
| | | lbin | 14 |
| Fixing | | | |
| | | | Din rail |
| Weight | | | |
| | | g | 86 |
| Ambient conditions | | | |
| Temperature | | | |
| Operating temperature | | | |
| | min | °C | -25 |
| | max | °C | +55 |
| Storage temperature | | | |
| | min | °C | -25 |
| | max | °C | +70 |
| Relative humidity | | | |
| | | % | <80 |
| Maximum Pollution degree | | | |
| | | | 2 |
| Mechanical environment | | | |
| | | | Class M1 |
| Magnetic environment | | | |
| | | | Class E1 |

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA 22.2 n°61010-1

EN 50470-1

IEC/EN 61010-1

UL61010-1

Certificates

cULus

EAC

RCM

ETIM classification

ETIM 8.0

EC001506 -
Kilowatt-hour
meter