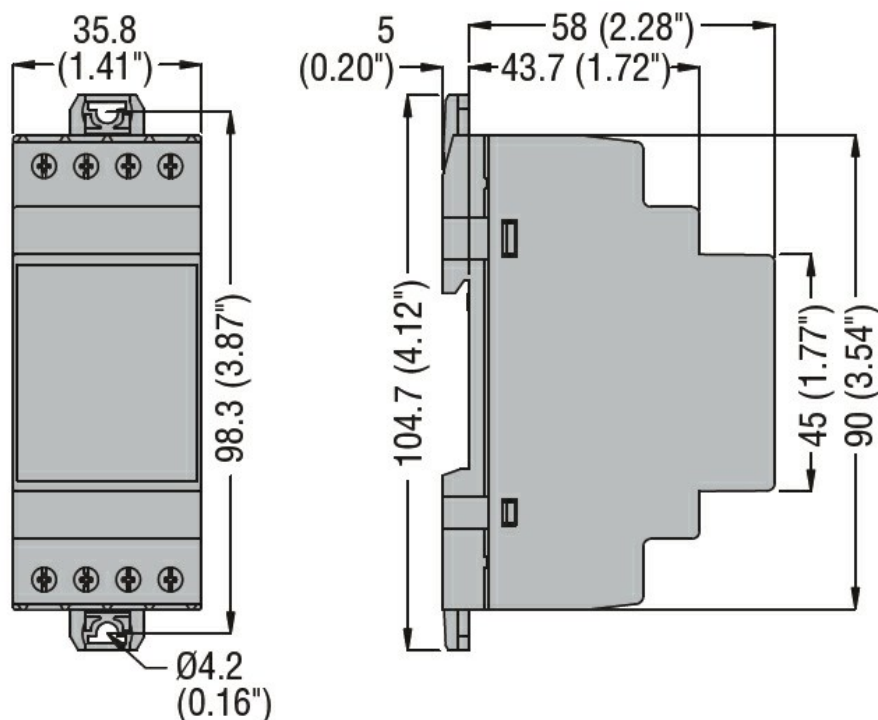


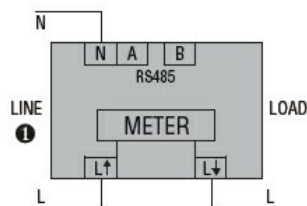


| | | | |
|--------------------------------------|--|-----------------|----------------------------|
| Product designation | | | Single-phase energy meters |
| Product type designation | | | DMED121MID |
| Type | | | single-phase |
| DIN rail module number | | | 2 |
| Auxiliary supply Us | | | |
| Auxiliary rated supply voltage AC | | VAC | 230 |
| Auxiliary operating voltage range AC | | min | VAC |
| | | Max | VAC |
| Operational frequency | | min | Hz |
| | | max | Hz |
| Power consumption | | Max | VA |
| Power dissipation Max | | W | 0.4 |
| Measuring voltage inputs | | | |
| Rated voltage (Ue) | | phase-neutral | VAC |
| Operating voltage range | | phase-neutral | VAC |
| Voltage inputs operational frequency | | min | Hz |
| | | max | Hz |
| Connection method | | Direct | |
| Current | | | |
| IEC maximum (Imax) | | A | 63 |
| IEC minimum (Imin) | | A | 0.5 |
| IEC rated (Iref-Ib) | | A | 10 |
| IEC start (Ist) | | mA | 40 |
| Transition (Itr) | | A | 1 |
| Accuracy | | | |
| | | Active energy | Class B (EN 50470-3) |
| | | Reactive energy | Class 2 (IEC/EN 62053-23) |
| RS485 serial interface | | | |
| Baud rate | | bps | Programmable 1200...38400 |
| Output characteristics | | | |
| LED Pulse rate | | pulse/kWh | 1000 |
| LED Pulse duration | | ms | 30 |
| Insulations | | | |
| Rated insulation voltage Ui IEC/EN | | V | 250 |

| | | |
|---------------------------------------|------|---------------------|
| Rated impulse withstand voltage Uimp | kV | 6 |
| Operating frequency withstand voltage | kV | 4 |
| Functions | | |
| Type of communication port | | RS485 |
| Mechanical features | | |
| Housing type | | Polyamide |
| Terminals type | | Fixed |
| Conductor cross section | | |
| | min | mm ² 2.5 |
| | Max | mm ² 16 |
| | min | AWG 13 |
| | Max | AWG 5 |
| Tightening torque (Max) | | |
| | Nm | 1.3 |
| | lbin | 11.5 |
| Fixing | | Din rail |
| Weight | g | 148 |
| Ambient conditions | | |
| Temperature | | |
| Operating temperature | | |
| | min | °C -25 |
| | max | °C +55 |
| Storage temperature | | |
| | min | °C -25 |
| | max | °C +70 |
| Relative humidity | % | <80 |
| Max altitude | m | 2000 |
| Maximum Pollution degree | | 2 |
| Overvoltage category | | III |
| Protection degree | | IP40 (Front) |
| Mechanical environment | | Class M1 |
| Magnetic environment | | Class E2 |
| Dimensions | | |



Wiring diagrams



Certifications and compliance

Compliance

EN50470-1

EN50470-3

TR 50579

Certificates

EAC

MID (moduli B + D)

RCM

ETIM classification

ETIM 8.0

EC001506 -
Kilowatt-hour
meter