# DMED330MID

ENERGY METER, THREE PHASE WITH OR WITHOUT NEUTRAL, MID CERTIFIED, NON EXPANDABLE, CONNECTION BY CT /5A SECONDARY, 4U, RS485 INTERFACE, MULTI-MEASUREMENTS

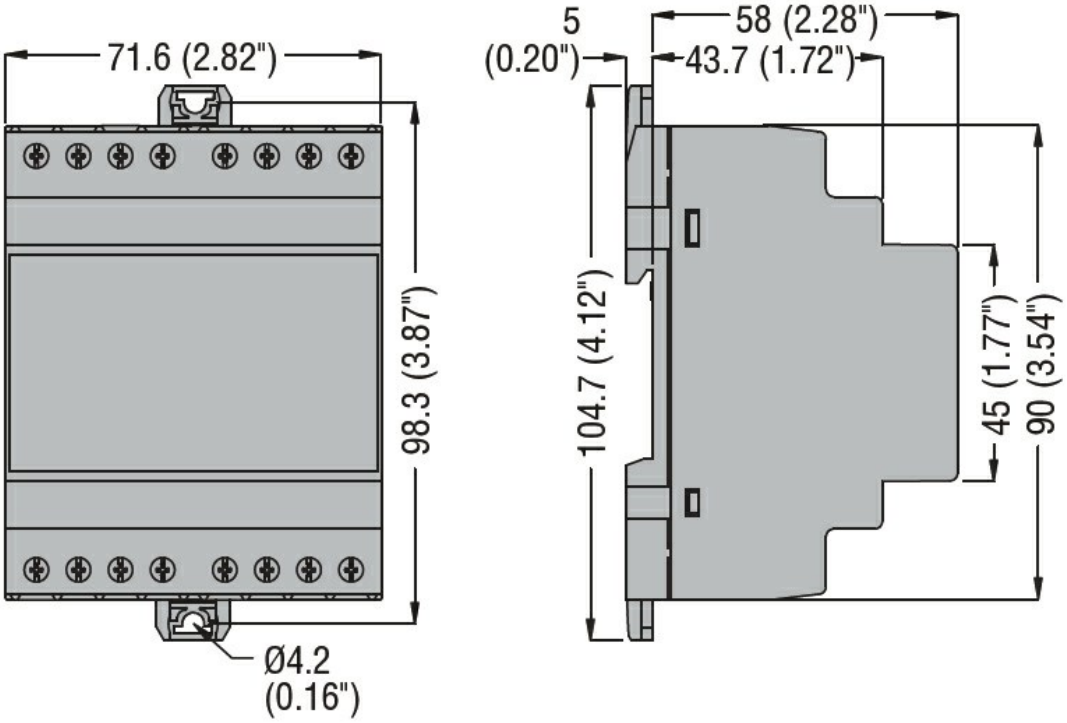


| | | | |
|---|---|---|---|
| Product designation | | | Three-phase energy meters |
| Product type designation | | | DMED330MID |
| Type | | | Three-phase + neutral |
| DIN rail module number | | | 4 |
| **Auxiliary supply Us** | | | |
| Operational frequency | | | |
| | min | Hz | 50 |
| Power consumption | | | |
| | Max | VA | 3.5 |
| Power dissipation Max | | W | 2.7 |
| **Measuring voltage inputs** | | | |
| Rated voltage (Ue) | | | |
| | phase-phase | VAC | 400 |
| | phase-neutral | VAC | 230 |
| Operating voltage range | | | |
| | phase-phase | VAC | 323…456 |
| | phase-neutral | VAC | 187…264 |
| Connection method | | | Via CT |
| **Current** | | | |
| IEC maximum (Imax) | | A | 5 |
| IEC minimum (Imin) | | A | 0.05 |
| IEC rated (Iref-lb) | | A | 5 |
| IEC start (Ist) | | mA | 0.005 |
| Transition (Itr) | | A | 0.25 |
| **Accuracy** | | | |
| Measurement conditions (T +23°C ±1°C / Rel. Humidity 45 ±15% R.H.) | | | |
| | active energy | | Class B (EN50470-3) |
| | reactive energy | | Class 2 (IEC/EN 62053-23) |
| **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 |
| **Mechanical features** | | | |
| Housing type | | | Polyamide |
| Terminals type | | | Fixed |
| Conductor cross section | | | |
| | min | mm² | 0.2 |


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| | | | | |
|---|---|---|---|---|
| | | Max | mm² | 4 for supply voltage measurement; 2.5 for current measurement |
| | | min | AWG | 24 |
| | | Max | AWG | 12 |
| Tightening torque (Max) | | | | |
| | | | Nm | 0.8 |
| | | | lbin | 7 |
| Fixing | | | | DIN rail |
| Weight | | | g | 332 |
| **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



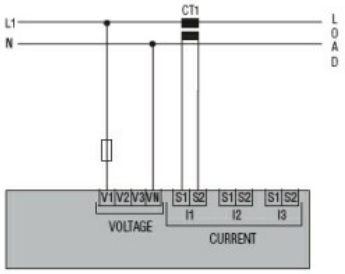

## Wiring diagrams


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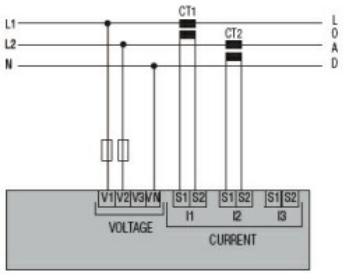
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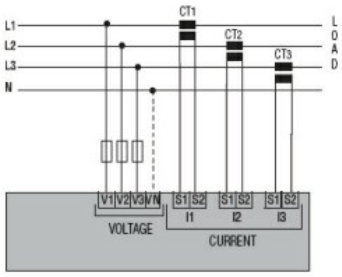
Single-phase



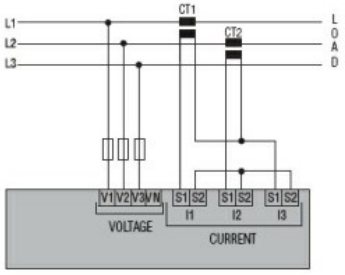

Two-phase

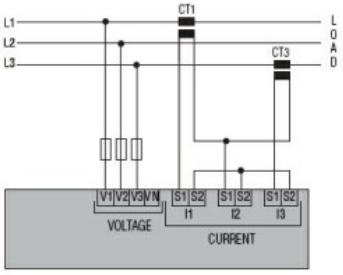



Three-phase with or without neutral




Three-phase without neutral in ARON connection



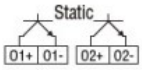




Tariff input

100...240VAC



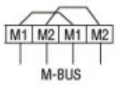

Pulse output 30VDC 50mA for DME D305 T2




RS485 for DME D330




M-Bus for DME D332




## 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 |


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