



Three-phase
energy meters
DMED305T2MID
Three-phase +
neutral
4

Product designation

Product type designation

Type

DIN rail module number

Auxiliary supply U_s

Operational frequency

min Hz 50

Power consumption

Max VA 3.5

Power dissipation Max

W 2.7

Measuring voltage inputs

Rated voltage (U_e)

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 (I_{max})

A 5

IEC minimum (I_{min})

A 0.05

IEC rated (I_{ref-Ib})

A 5

IEC start (I_{st})

mA 0.005

Transition (I_{tr})

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

Static output pulse rate

pulse/kWh 0.1-1-10-100
programmable

Static output pulse duration

ms 100

Static output external voltage

VDC 10...30

Static outputs Maximum current

mA 50

Insulations

Rated insulation voltage U_i IEC/EN

V 250

Rated impulse withstand voltage U_{imp}

kV 6

Operating frequency withstand voltage

kV 4

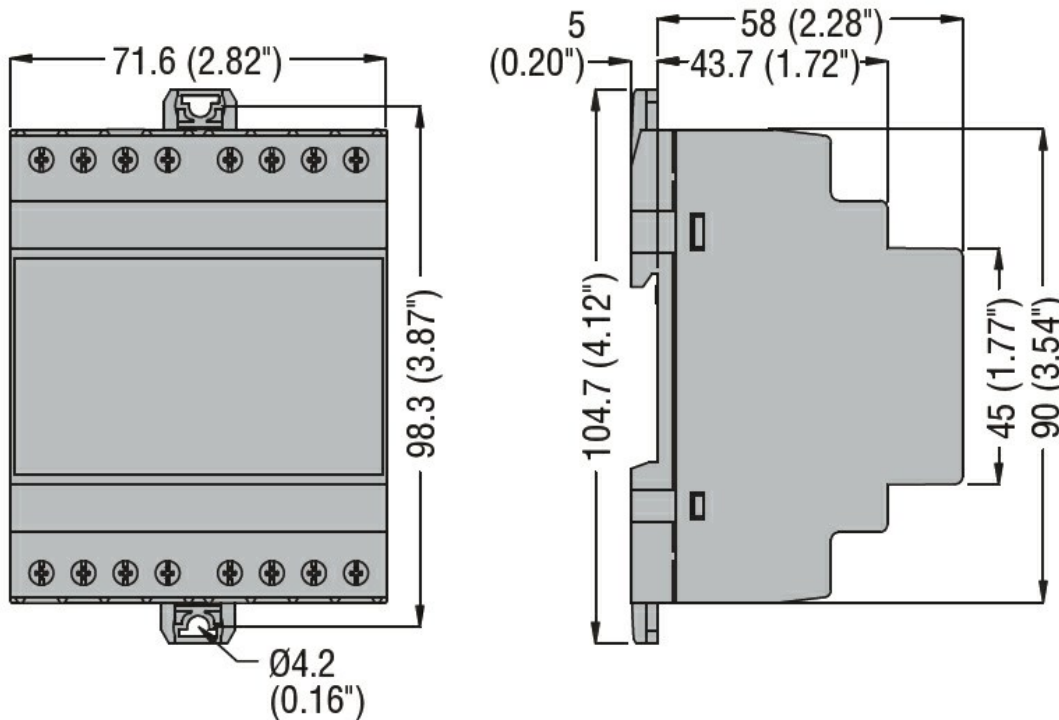
Mechanical features

Housing type

Polyamide

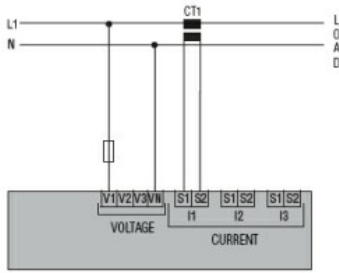
| | | | |
|---------------------------|-----------------------|-----------------|---|
| Terminals type | Fixed | | |
| Conductor cross section | min | mm ² | 0.2 4 for supply voltage measurement; 2.5 for current measurement |
| | Max | mm ² | |
| | min | AWG | 24 |
| | Max | AWG | 12 |
| Tightening torque (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

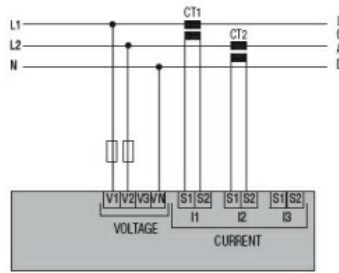


Wiring diagrams

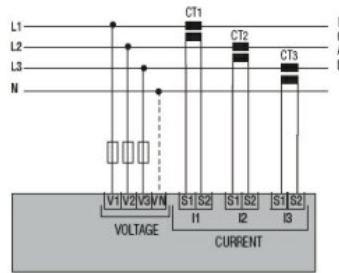
Single-phase



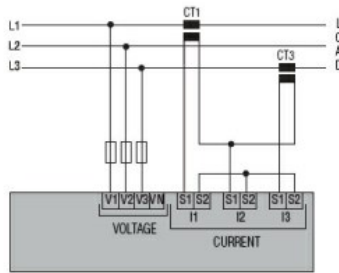
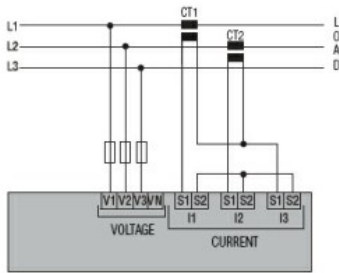
Two-phase



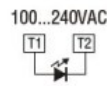
Three-phase with or without neutral



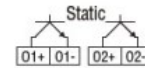
Three-phase without neutral in ARON connection



Tariff input



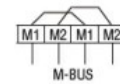
Pulse output 30VDC 50mA for DME D305 T2



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