



Product designation

Product type designation

Type

DIN rail module number

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

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

Active energy Class B (EN 50470-3)
Reactive energy Class 2 (IEC/EN 62053-23)

Output characteristics

LED Pulse rate

pulse/kWh 10000

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;
Max	mm ²	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

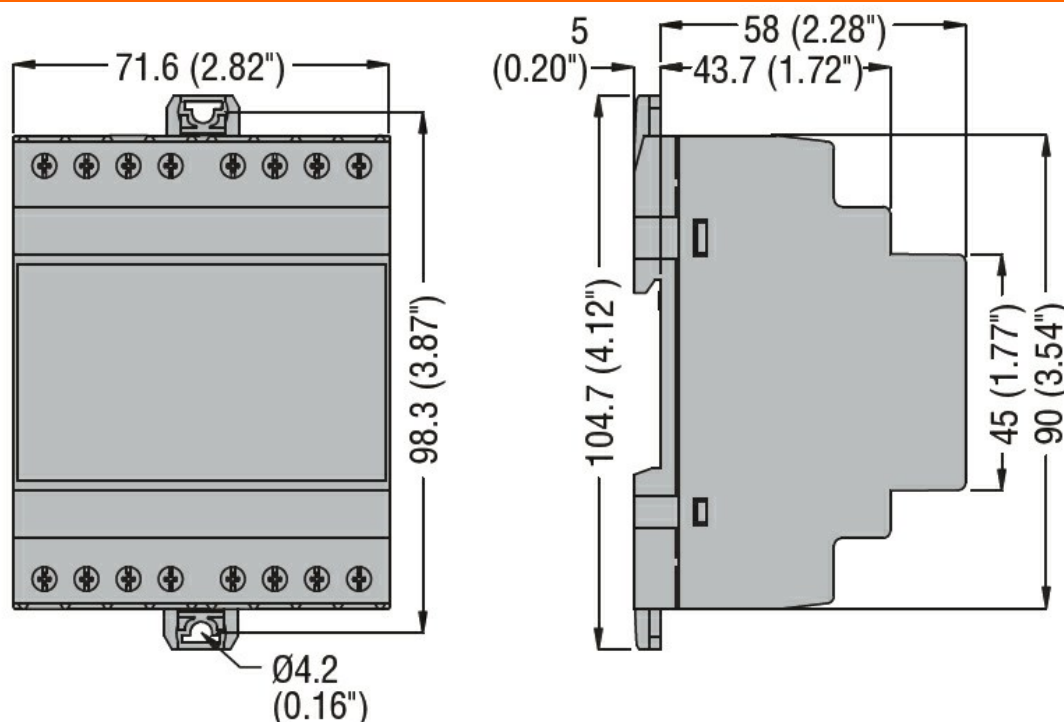
Mechanical environment

Class M1

Magnetic environment

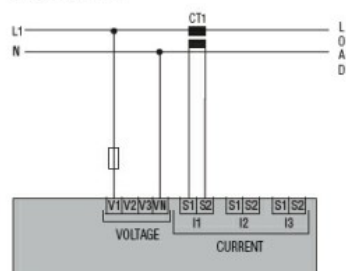
Class E2

Dimensions

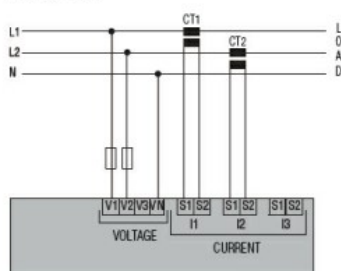


Wiring diagrams

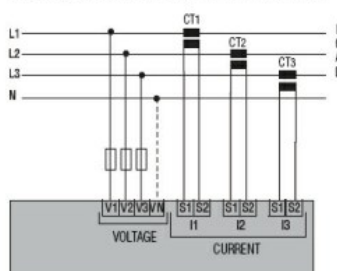
Single-phase



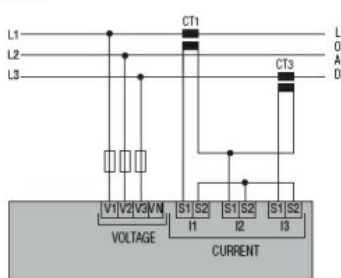
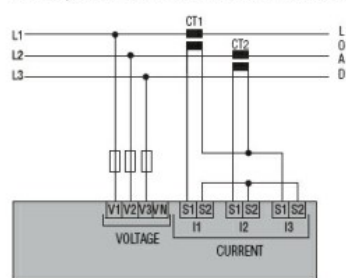
Two-phase



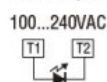
Three-phase with or without neutral



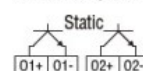
Three-phase without neutral in ARON connection



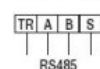
Tariff input



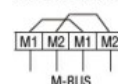
Pulse output 30VDC 50mA for DME D305 T2



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