



Product designation

Product type designation

Type

DIN rail module number

Three-phase  
energy meters  
DMED301MID  
Three-phase +  
neutral  
4

Auxiliary supply  $U_s$

Operational frequency

min Hz 50

Power consumption

Max VA 20

Power dissipation Max

W 1.35

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

Direct

Current

IEC maximum ( $I_{max}$ )

A 80

IEC minimum ( $I_{min}$ )

A 0.5

IEC rated ( $I_{ref-Ib}$ )

A 10

IEC start ( $I_{st}$ )

mA 40

Transition ( $I_{tr}$ )

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

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<sup>2</sup> 2.5  
Max mm<sup>2</sup> 25  
min AWG 14  
Max AWG 4

Tightening torque (Max)

Nm 2  
lbin 17.7

Fixing

Din rail

Weight

g 360

### 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

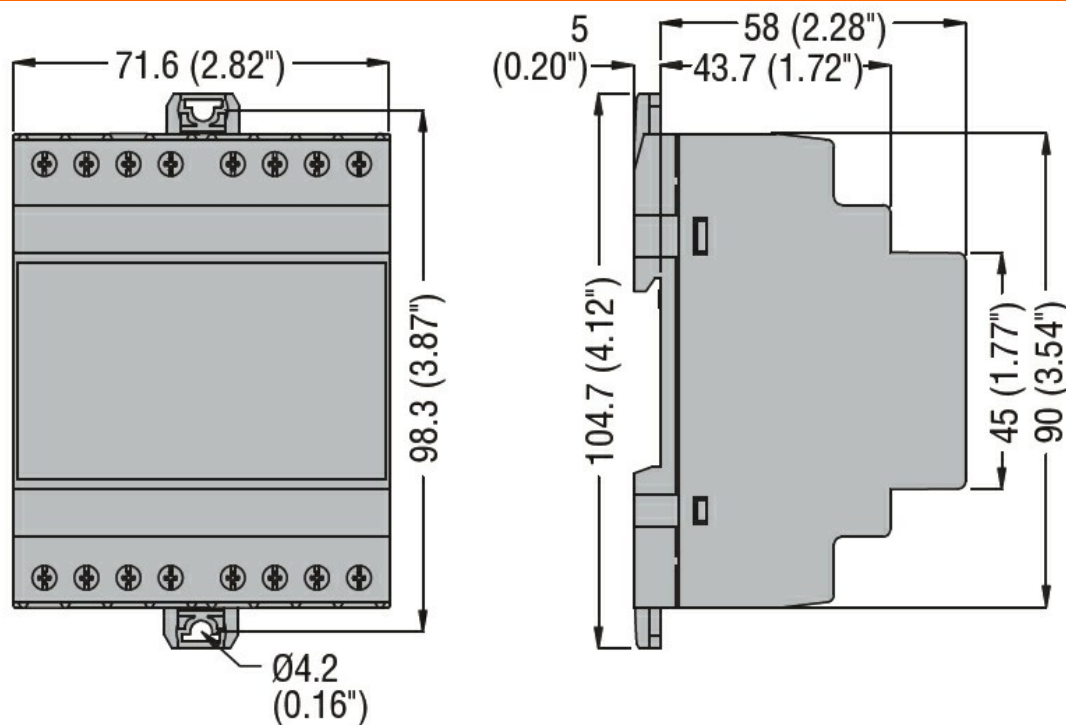
Mechanical environment

Class M1

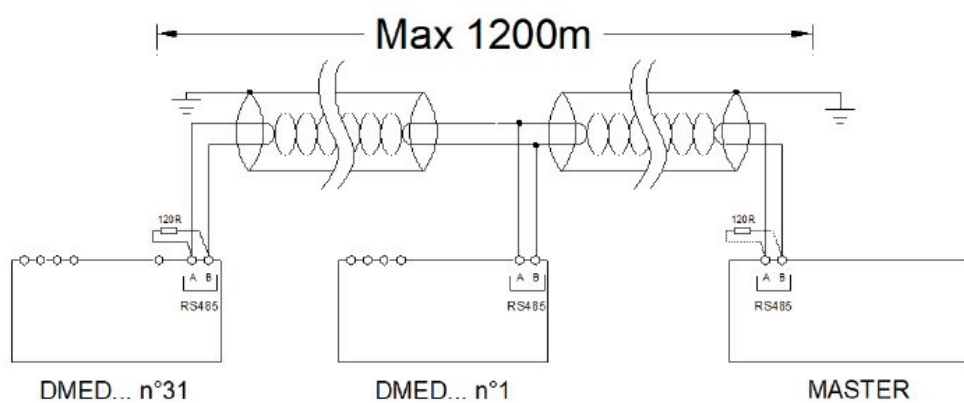
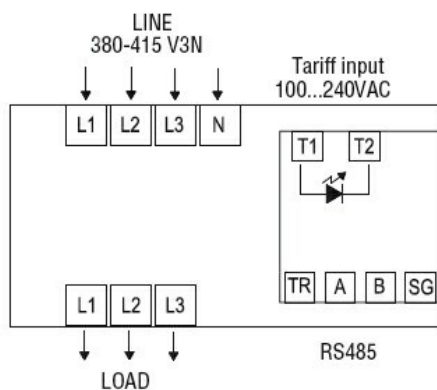
Magnetic environment

Class E2

### Dimensions



### Wiring diagrams



## 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