



Product designation

Product type designation

Type

DIN rail module number

Three-phase  
energy meters  
DMED330MID  
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 ( $I_{ref}$ - $I_b$ )

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

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

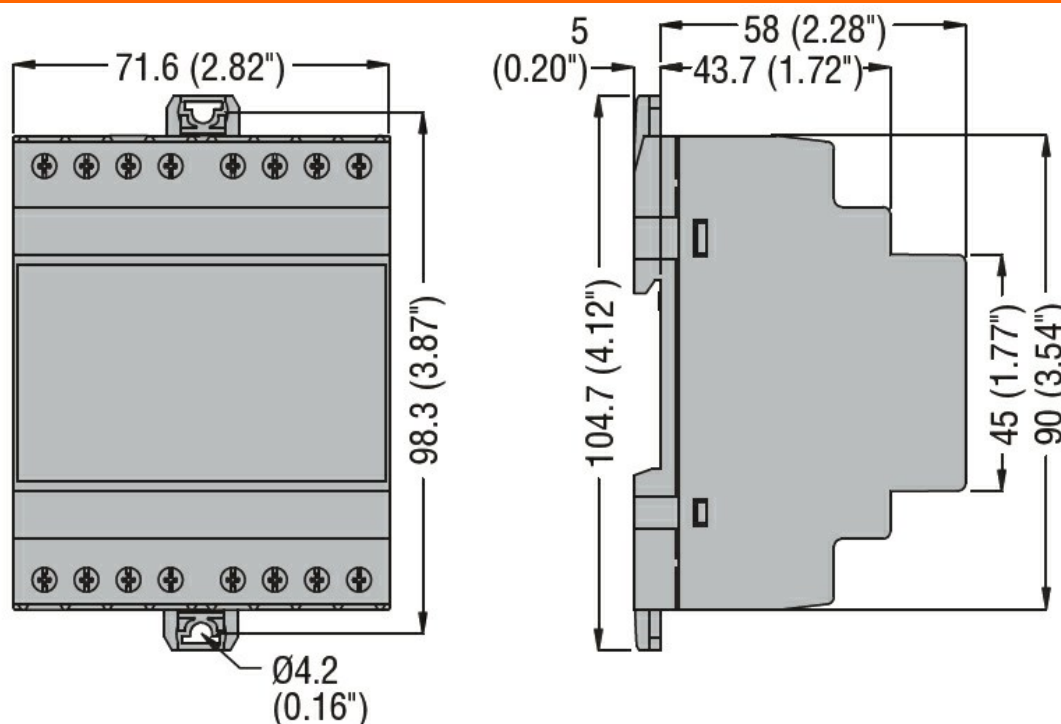
Fixed

Conductor cross section

min mm<sup>2</sup> 0.2

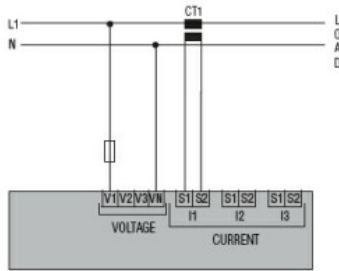
					4 for supply voltage measurement; 2.5 for current measurement
	Max	mm <sup>2</sup>			
	min	AWG			24
	Max	AWG			12
Tightening torque (Max)					
		Nm			0.8
		lbin			7
Fixing					Din rail
Weight		g			332
Ambient conditions					
Temperature					
	Operating temperature				
	min	°C			-25
	max	°C			+55
	Storage temperature				
	min	°C			-25
	max	°C			+70
Relative humidity		%			<80
Maximum Pollution degree					2
Mechanical environment					Class M1
Magnetic environment					Class E2

#### Dimensions

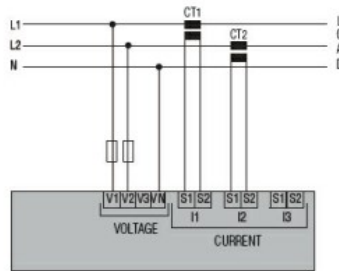


#### Wiring diagrams

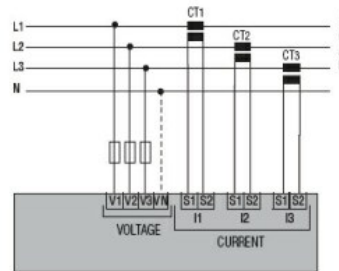
Single-phase



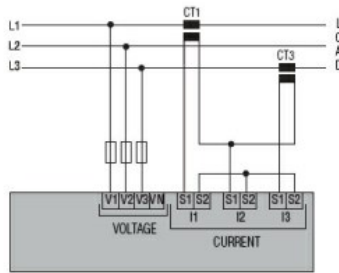
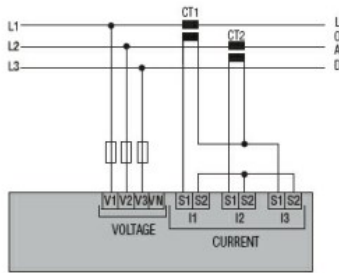
Two-phase



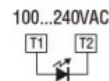
Three-phase with or without neutral



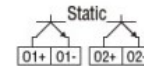
Three-phase without neutral in ARON connection



Tariff input



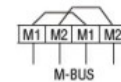
Pulse output 30VDC 50mA for DME D305 T2



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