



Three-phase  
energy meters  
DMED330MID  
Three-phase +  
neutral  
4

Product designation

Product type designation

Type

DIN rail module number

**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-Ib)

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

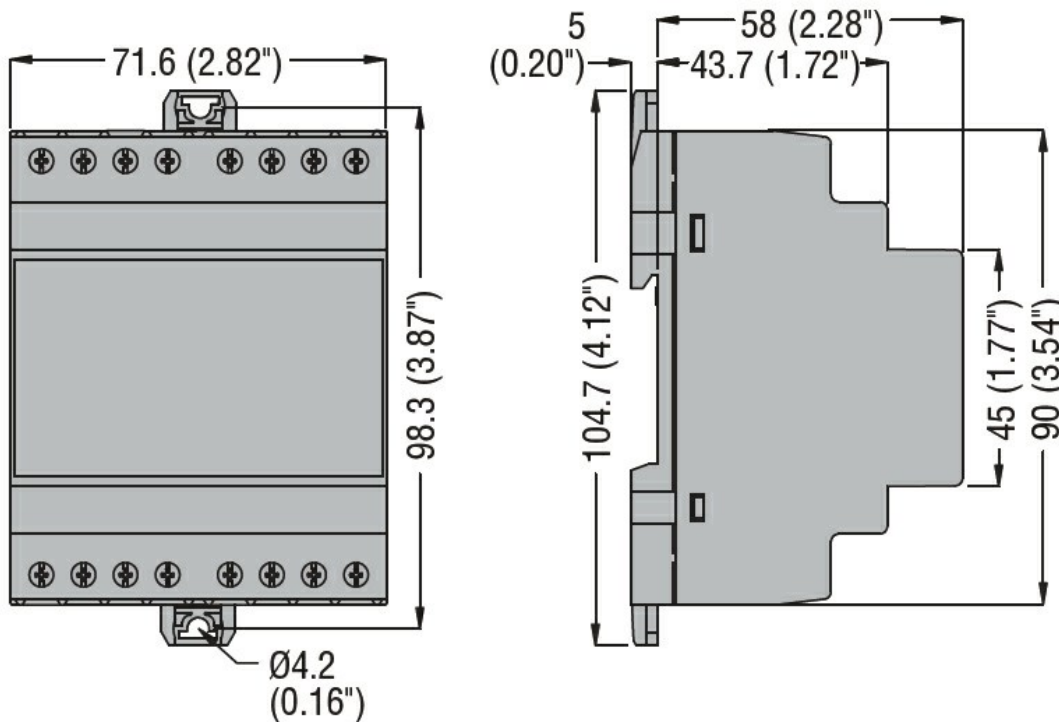
Fixed

Conductor cross section

min mm<sup>2</sup> 0.2

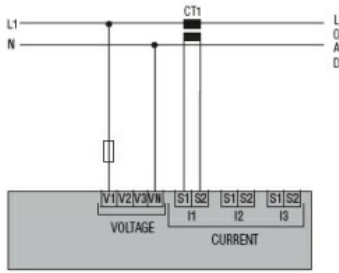
				4 for supply voltage measurement; 2.5 for current measurement
	Max	mm <sup>2</sup>		
	min	AWG		24
	Max	AWG		12
<hr/>				
Tightening torque (Max)			Nm	0.8
			lbin	7
<hr/>				
Fixing				DIN rail
<hr/>				
Weight			g	332
<hr/>				
<b>Ambient conditions</b>				
Temperature				
	Operating temperature		min	°C -25
			max	°C +55
	Storage temperature		min	°C -25
			max	°C +70
<hr/>				
Relative humidity			%	<80
<hr/>				
Maximum Pollution degree				2
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Mechanical environment				Class M1
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Magnetic environment				Class E1

**Dimensions**

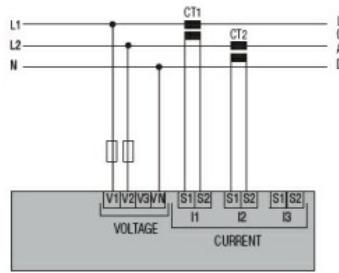


**Wiring diagrams**

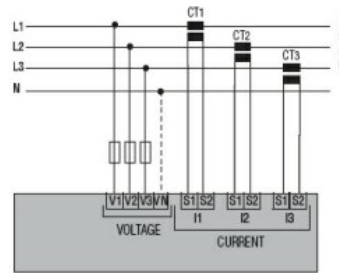
Single-phase



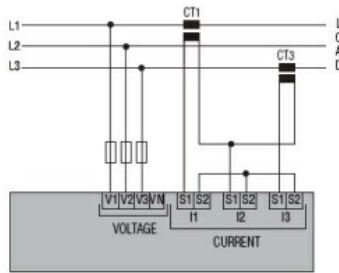
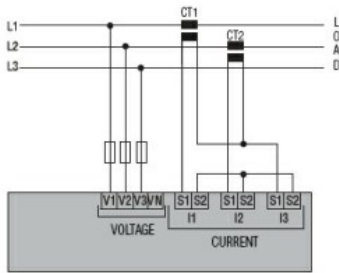
Two-phase



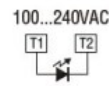
Three-phase with or without neutral



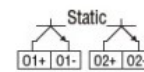
Three-phase without neutral in ARON connection



Tariff input



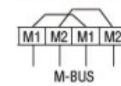
Pulse output 30VDC 50mA for DME D305 T2



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