



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

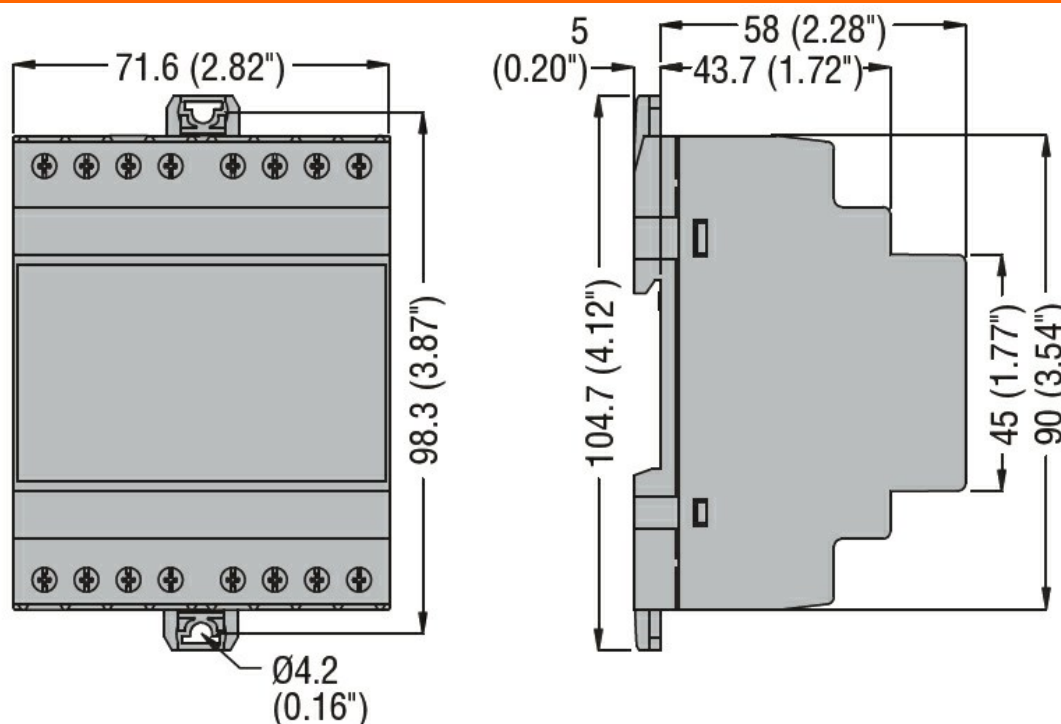
Fixed

Conductor cross section

min mm² 0.2

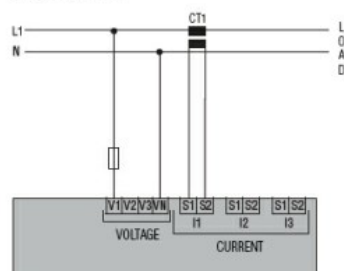
				4 for supply voltage measurement; 2.5 for current measurement
	Max	mm ²		
	min	AWG		24
	Max	AWG		12
Tightening torque (Max)				
		Nm		0.8
		lbin		7
Fixing				Din rail
Weight		g		332
Ambient conditions				
Temperature				
	Operating temperature			
	min	°C		-25
	max	°C		+55
	Storage temperature			
	min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

Dimensions

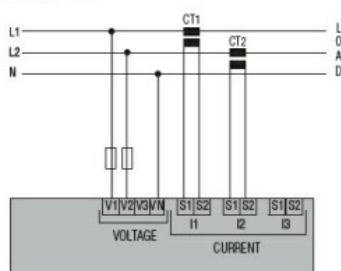


Wiring diagrams

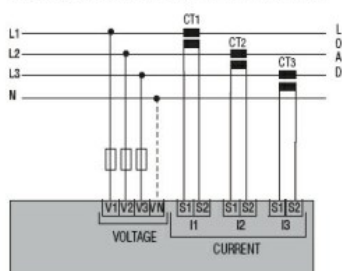
Single-phase



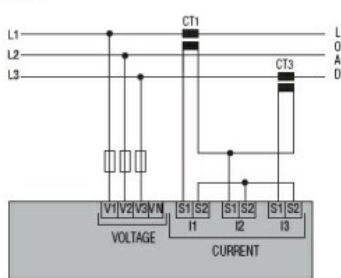
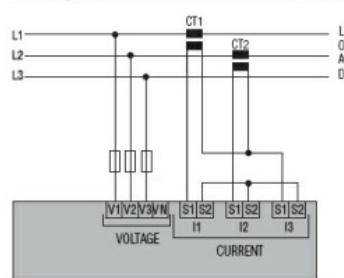
Two-phase



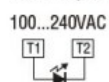
Three-phase with or without neutral



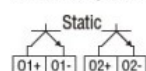
Three-phase without neutral in ARON connection



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