



Single-phase energy meters
DMED122MID
single-phase
2

Product designation

Product type designation

Type

DIN rail module number

Auxiliary supply Us

Auxiliary rated supply voltage AC VAC 230

Auxiliary operating voltage range AC

min VAC 187

Max VAC 264

Operational frequency

min Hz 50

max Hz 50

Power consumption

Max VA 1

Power dissipation Max W 0.4

Measuring voltage inputs

Rated voltage (Ue) phase-neutral VAC 230

Operating voltage range phase-neutral VAC 187...264

Voltage inputs operational frequency

min Hz 50

max Hz 50

Connection method Direct

Current

IEC maximum (Imax) A 63

IEC minimum (Imin) A 0.5

IEC rated (Iref-Ib) A 10

IEC start (Ist) mA 40

Transition (Itr) A 1

Accuracy

Active energy Class B (EN 50470-3)

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

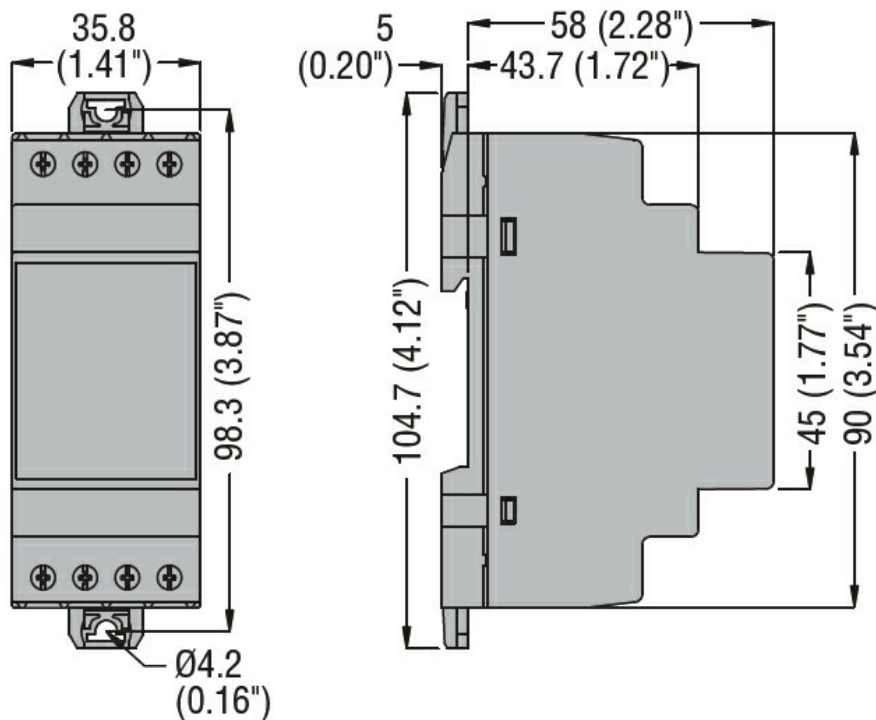
Rated impulse withstand voltage Uimp kV 6

Operating frequency withstand voltage kV 4

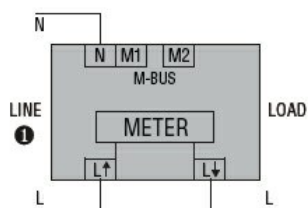
Functions

Type of communication port	M-bus		
Mechanical features			
Housing type	Polyamide		
Terminals type	Fixed		
Conductor cross section			
	min	mm ²	2.5
	Max	mm ²	16
	min	AWG	13
	Max	AWG	5
Tightening torque (Max)		Nm	1.3
		lbin	11.5
Fixing	Din rail		
Weight		g	148
Ambient conditions			
Temperature	Operating temperature		
	min	°C	-25
	max	°C	+55
	Storage temperature		
	min	°C	-25
	max	°C	+70
Relative humidity		%	<80
Max altitude		m	2000
Maximum Pollution degree	2		
Overvoltage category	III		
Protection degree	IP40 (Front)		
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