



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

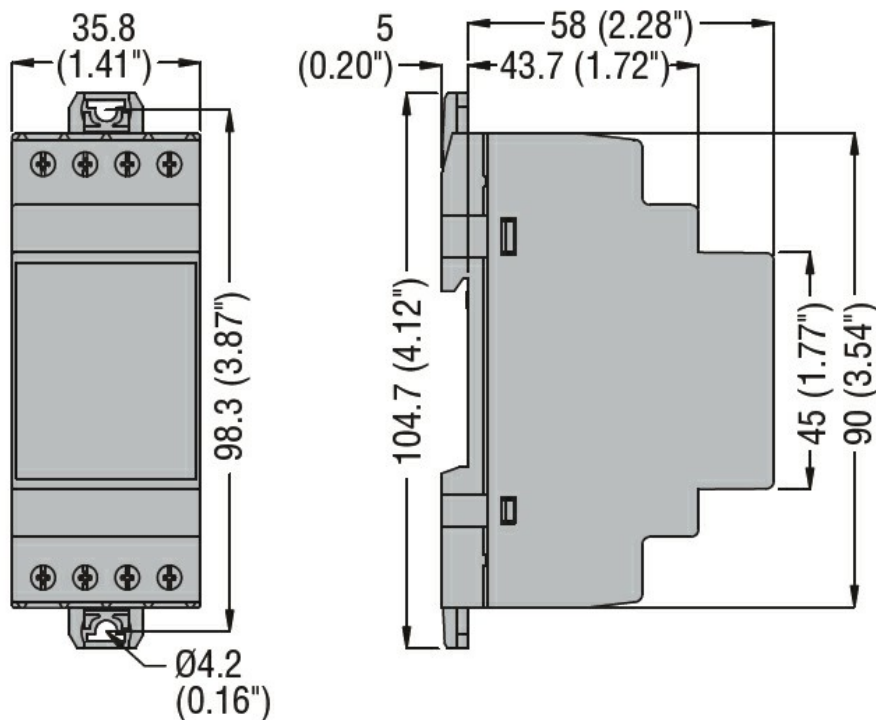
Rated impulse withstand voltage Uimp kV 6

Operating frequency withstand voltage kV 4

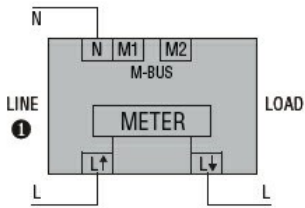
**Functions**

Type of communication port	M-bus		
<b>Mechanical features</b>			
Housing type	Polyamide		
Terminals type	Fixed		
Conductor cross section			
	min	mm <sup>2</sup>	2.5
	Max	mm <sup>2</sup>	16
	min	AWG	13
	Max	AWG	5
Tightening torque (Max)		Nm	1.3
		lbin	11.5
Fixing	Din rail		
Weight		g	148
<b>Ambient conditions</b>			
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