



Product designation	Single-phase energy meters		
Product type designation	DMED120T1MID		
Type	single-phase		
DIN rail module number	2		
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	45
	max	Hz	66
Rated frequency		Hz	50
Power consumption			
	Max	VA	6.6
Power dissipation Max		W	0.45
Measuring voltage inputs			
Rated voltage (Ue)			
	phase-neutral	VAC	230
Operating voltage range			
	phase-neutral	VAC	187...264
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
Static output pulse rate		pulse/kWh	1-10-100-1000 programmable
Static output pulse duration		ms	Programmable
Static output external voltage		VDC	10...30
Static outputs Maximum current		mA	50
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>	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

#### Ambient conditions

##### Temperature

##### Operating temperature

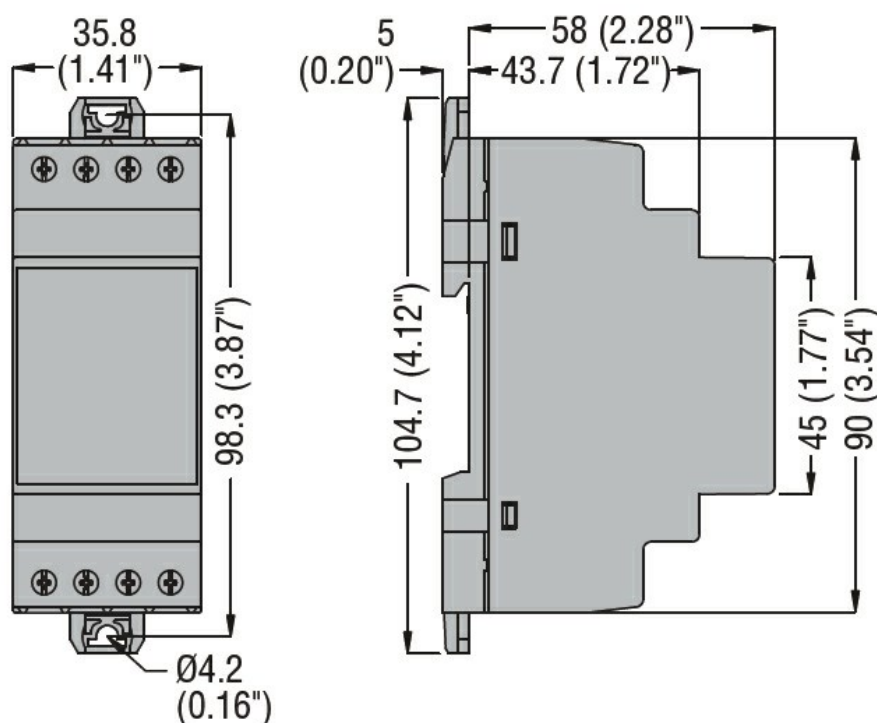
min	°C	-25
max	°C	+55

##### Storage temperature

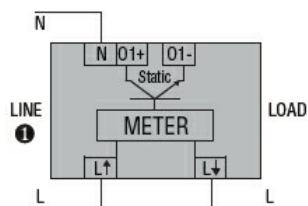
min	°C	-25
max	°C	+70

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