



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	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	
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 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		
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Weight	g	148
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Ambient conditions

Temperature	Operating temperature	min	°C	-25
		max	°C	+55
	Storage temperature	min	°C	-25
		max	°C	+70

Relative humidity	%	<80
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Max altitude	m	2000
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Maximum Pollution degree	2	
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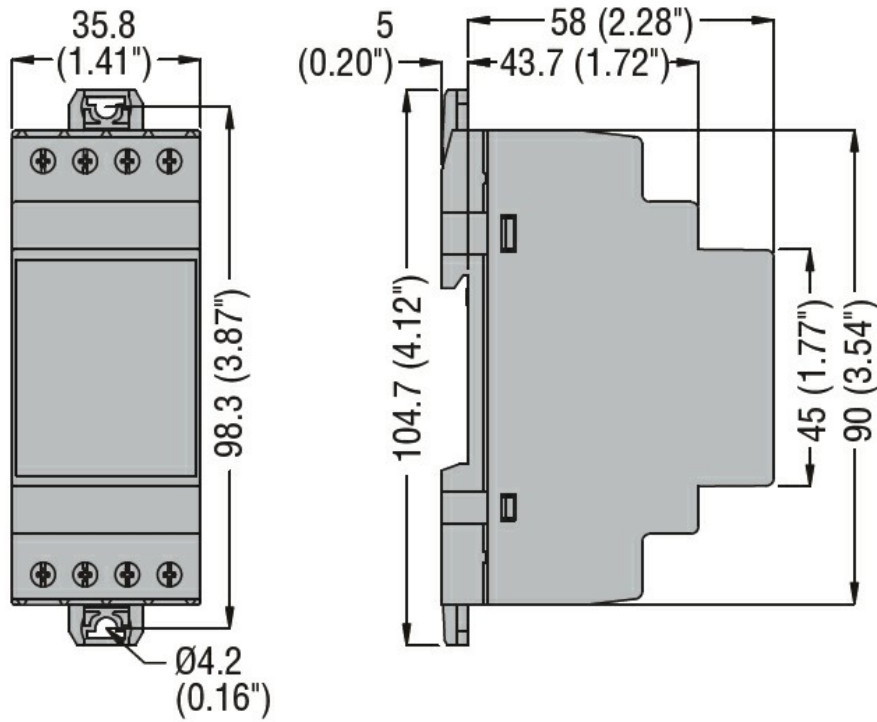
Overvoltage category	III	
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Protection degree	IP40 (Front)	
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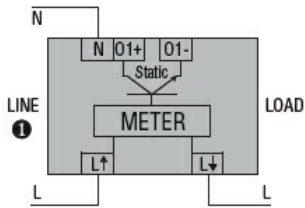
Mechanical environment	Class M1	
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Magnetic environment	Class E2	
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Dimensions



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