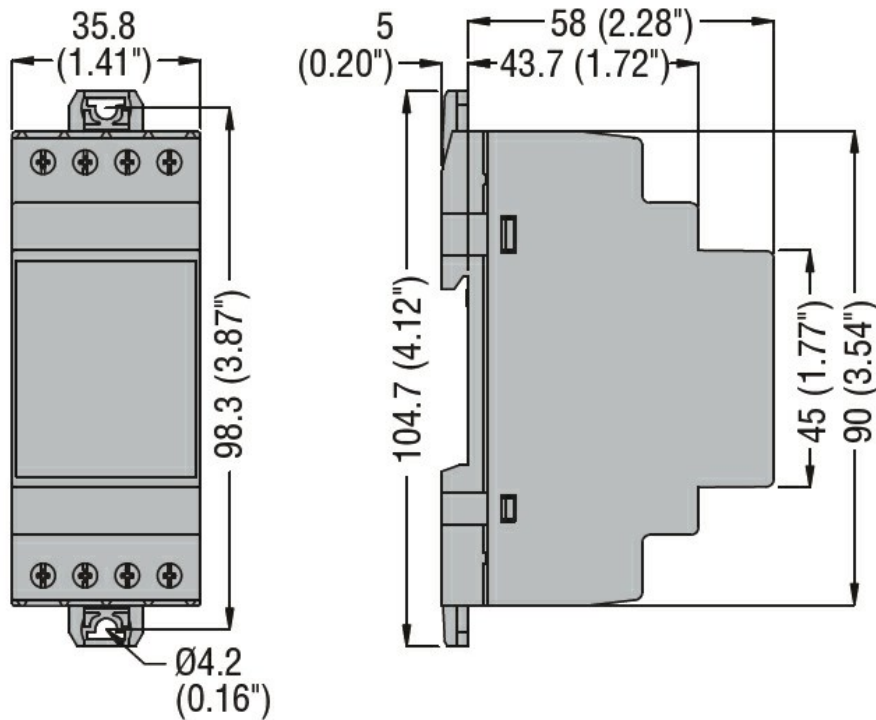




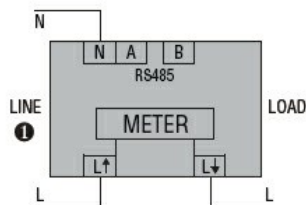
Product designation	Single-phase energy meters		
Product type designation	DMED121		
Type	single-phase		
DIN rail module number	2		
<b>Auxiliary supply <math>U_s</math></b>			
Operational frequency	min	Hz	50
	max	Hz	60
Power consumption	Max	VA	4.8
Power dissipation Max		W	1.4
<b>Measuring voltage inputs</b>			
Rated voltage ( $U_e$ )	phase-neutral	VAC	110...120 / 220...240
Operating voltage range	phase-neutral	VAC	184...264
Connection method	Direct		
<b>Current</b>			
IEC maximum ( $I_{max}$ )		A	63
IEC minimum ( $I_{min}$ )		A	0.5
IEC rated ( $I_{ref-Ib}$ )		A	10
IEC start ( $I_{st}$ )		mA	40
Transition ( $I_{tr}$ )		A	1
<b>Accuracy</b>			
	Active energy	Class 1 (IEC/EN 62053-21)	
	Reactive energy	Class 2 (IEC/EN 62053-23)	
<b>RS485 serial interface</b>			
Baud rate		bps	Programmable 1200...38400
<b>Insulations</b>			
Rated insulation voltage $U_i$ IEC/EN		V	250
Rated impulse withstand voltage $U_{imp}$		kV	6
Operating frequency withstand voltage		kV	4
<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	14
	Max	AWG	6;10
Tightening torque (Max)			

	Nm	2
	lbin	17.7
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
Maximum Pollution degree		2

**Dimensions**



**Wiring diagrams**



**Certifications and compliance**

**Compliance**

- CSA 22.2 n°61010-1
- IEC/EN 61000-6-2
- IEC/EN 61000-6-3
- IEC/EN 61010-1
- UL61010-1

**Certificates**

cULus

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EAC

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RCM

ETIM classification

ETIM 8.0

EC001506 -  
Kilowatt-hour  
meter