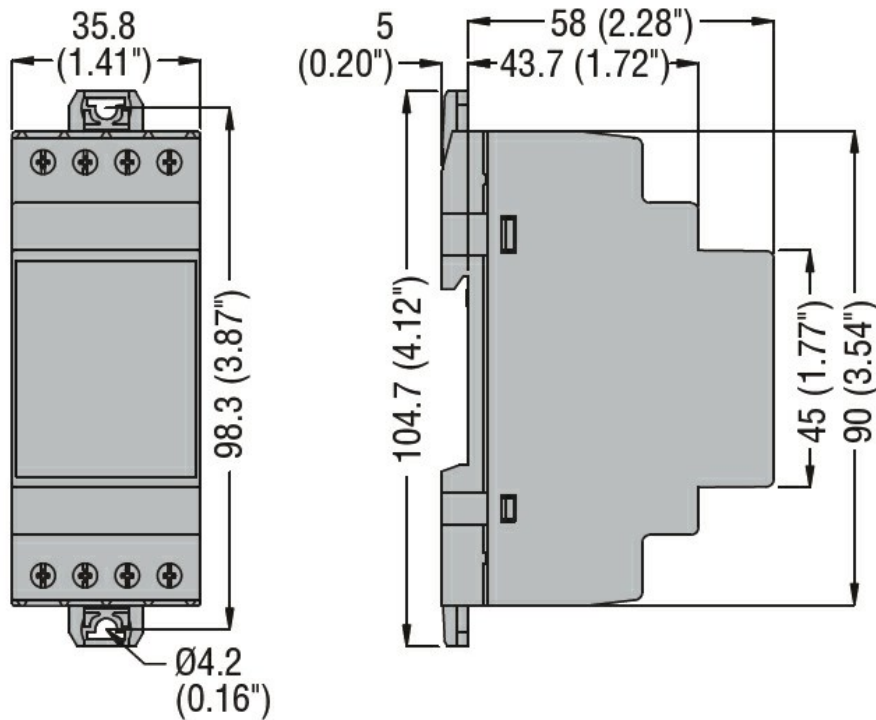




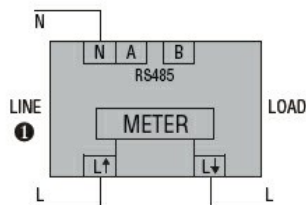
Product designation	Single-phase energy meters		
Product type designation	DMED121		
Type	single-phase		
DIN rail module number	2		
Auxiliary supply U_s			
Operational frequency	min	Hz	50
	max	Hz	60
Power consumption	Max	VA	4.8
Power dissipation Max		W	1.4
Measuring voltage inputs			
Rated voltage (U_e)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

	Nm	2
	lbin	17.7
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
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

EAC

RCM

ETIM classification

ETIM 8.0

EC001506 -
Kilowatt-hour
meter