

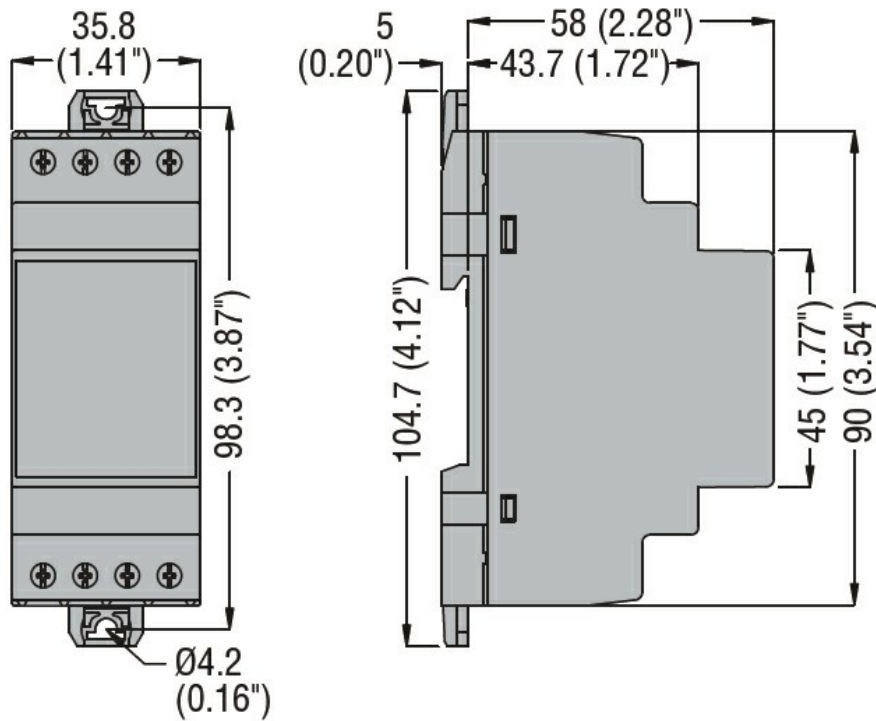


Single-phase
energy meters
DMED122
single-phase
2

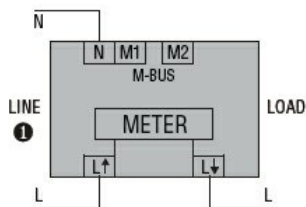
Product designation			
Product type designation			
Type			
DIN rail module number			
Auxiliary supply U_s			
Operational frequency	min	Hz	50
	max	Hz	60
Power consumption	Max	VA	4.8
Power dissipation Max		W	1.4
Measuring voltage inputs			
Rated voltage (U_e)	phase-neutral	VAC	220...240
Operating voltage 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)	
Output characteristics			
LED Pulse rate		pulse/kWh	1000
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

Fixing	lbin	17.7
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

IEC/EN 50470-1
IEC/EN 61010-1

Certificates

EAC
RCM

ETIM classification

ETIM 8.0

EC001506 -
Kilowatt-hour
meter