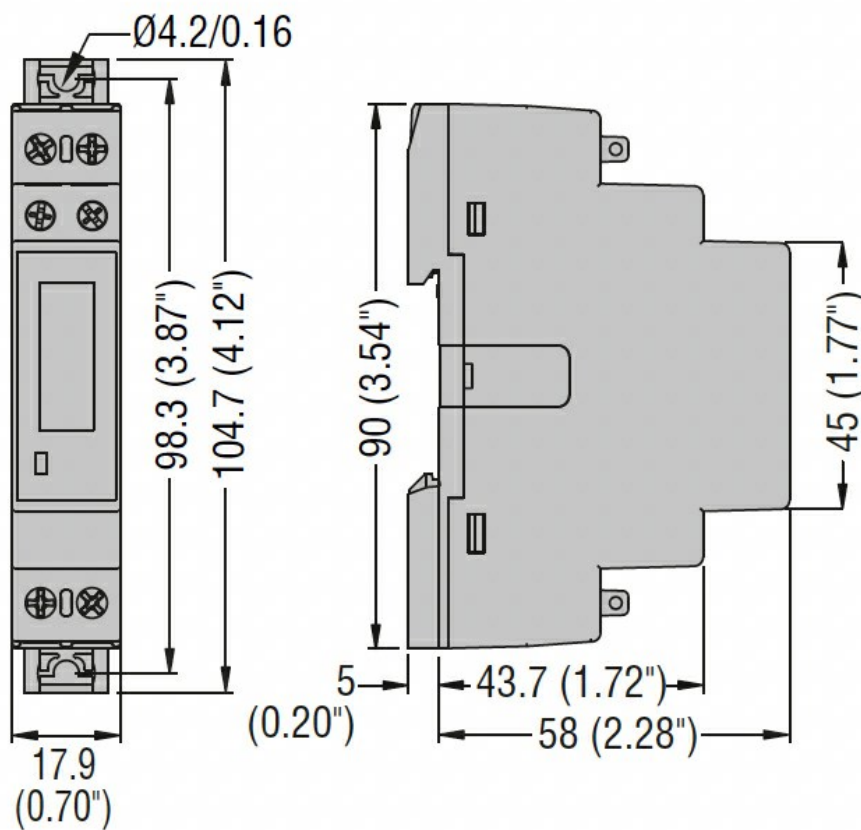




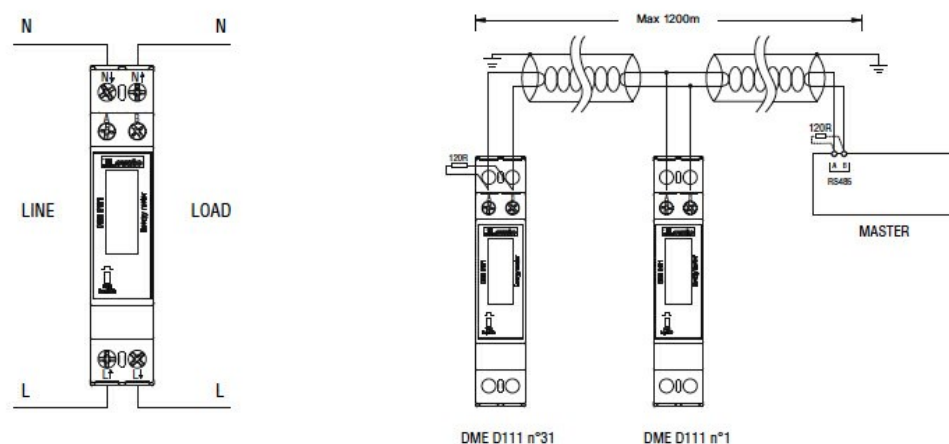
Product designation			Single-phase energy meters		
Product type designation			DMED111		
Type			single-phase		
DIN rail module number			1		
Auxiliary supply U_s					
Operational frequency			min	Hz	50
			max	Hz	60
Power consumption			Max	VA	1
Power dissipation Max				W	0.4
Measuring voltage inputs					
Rated voltage (U_e)			phase-neutral	VAC	110...120 / 220...240
Operating voltage range			phase-neutral	VAC	93...264
Connection method			Direct		
Current					
IEC maximum (I_{max})				A	40
IEC minimum (I_{min})				A	0.25
IEC rated (I_{ref-Ib})				A	5
IEC start (I_{st})				mA	20
Transition (I_{tr})				A	0.5
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	1.5
			Max	mm ²	10
			min	AWG	16
			Max	AWG	6
Tightening torque (Max)					

	Nm	1.5
	lbin	14
Fixing		Din rail
Weight	g	90
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
Mechanical environment		Class M1
Magnetic environment		Class E1

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61000-6-2

IEC/EN 61000-6-3

IEC/EN 61010-1

Certificates

CB

RCM

ETIM classification

ETIM 8.0

EC001506 -
Kilowatt-hour
meter