

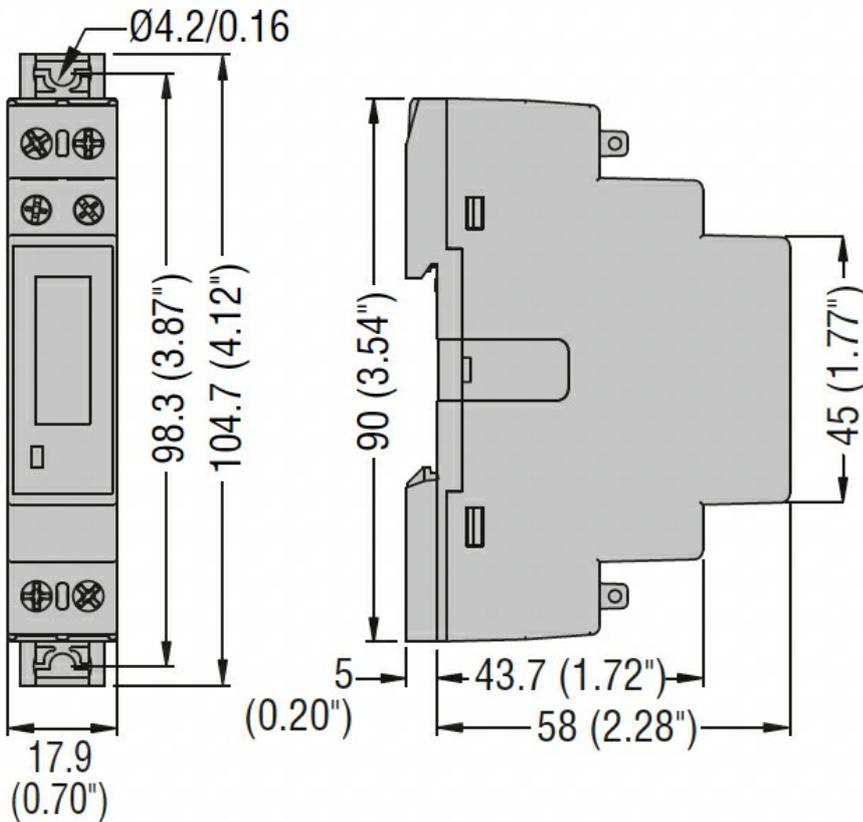


Single-phase energy meters  
DMED111MID  
single-phase  
1

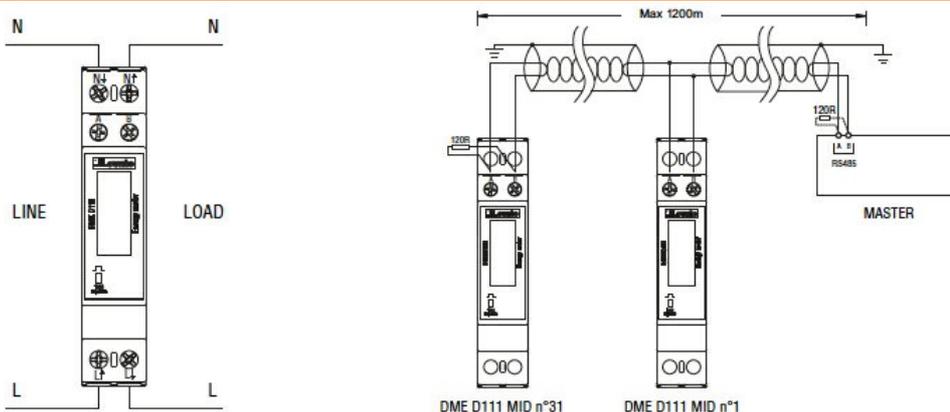
Product designation			
Product type designation			
Type			
DIN rail module number			
<b>Auxiliary supply <math>U_s</math></b>			
Operational frequency	min	Hz	50
Power consumption	Max	VA	7
Power dissipation Max		W	0.45
<b>Measuring voltage inputs</b>			
Rated voltage ( $U_e$ )	phase-neutral	VAC	230
Operating voltage range	phase-neutral	VAC	184...264
Connection method	Direct		
<b>Current</b>			
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
<b>Accuracy</b>			
	Active energy	Class B (EN 50470-3)	
	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>	1.5
	Max	mm <sup>2</sup>	10
	min	AWG	16
	Max	AWG	6
Tightening torque (Max)		Nm	1.5

		lbin	14
Fixing			Din rail
Weight		g	90
<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
Mechanical environment			Class M1
Magnetic environment			Class E2

**Dimensions**



**Wiring diagrams**



**Certifications and compliance**

Compliance

EN50470-1

EN50470-3

TR 50579

Certificates

MID (modulo B + D)

RCM

**ETIM classification**

ETIM 8.0

EC001506 -  
Kilowatt-hour  
meter