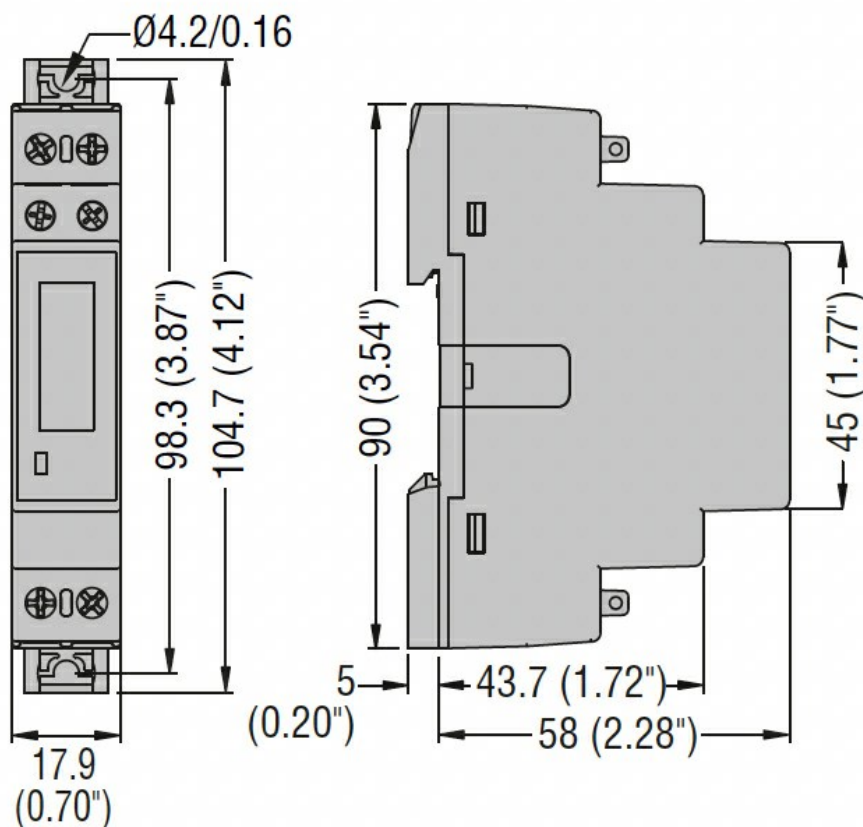




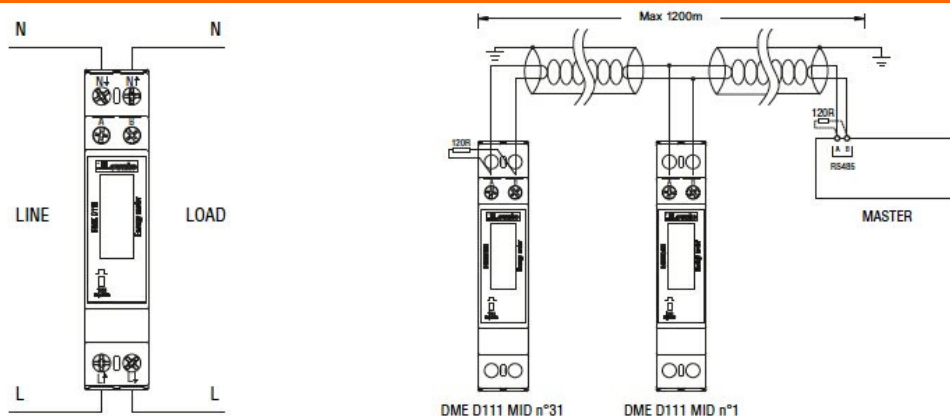
Product designation	Single-phase energy meters		
Product type designation	DMED111MID		
Type	single-phase		
DIN rail module number	1		
Auxiliary supply $U_s$			
Operational frequency	min	Hz	50
Power consumption	Max	VA	7
Power dissipation Max		W	0.45
Measuring voltage inputs			
Rated voltage ( $U_e$ )	phase-neutral	VAC	230
Operating voltage range	phase-neutral	VAC	184...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 B (EN 50470-3)
	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 <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