DMED111MID7

ENERGY METER, SINGLE-PHASE, MID7 -25...+70°C CERTIFIED, NON EXPANDABLE, 40A DIRECT CONNECTION, RS485 INTERFACE, MULTI-MEASUREMENTS, 230VAC

Auxiliary supply Us			
Auxiliary operating voltage range AC			
	Max	VAC	264
Operational frequency			
	min	Hz	45
	max	Hz	66
Rated frequency		Hz	50
Power consumption			
	Max	VA	1
Power dissipation Max		W	0.4
Measuring voltage inputs			
Rated voltage (Ue)			
	phase-neutral	VAC	230
Operating voltage range			
	phase-neutral	VAC	184…264
Connection method			Direct
Current			
IEC maximum (Imax)		A	40
IEC minimum (Imin)		A	0.25
IEC rated (Iref-Ib)		A	5
IEC start (Ist)		mA	20
Transition (Itr)		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 Ui IEC/EN		V	250
Rated impulse withstand voltage Uimp		kV	6
Operating frequency withstand voltage		kV	4
Functions			
Type of communication port			RS485
Mechanical features			
Housing type			Polyamide
Terminals type			Fixed
Conductor cross section			
	min	mm²	1.5
	Max	mm²	10
	min	AWG	16
	Max	AWG	6

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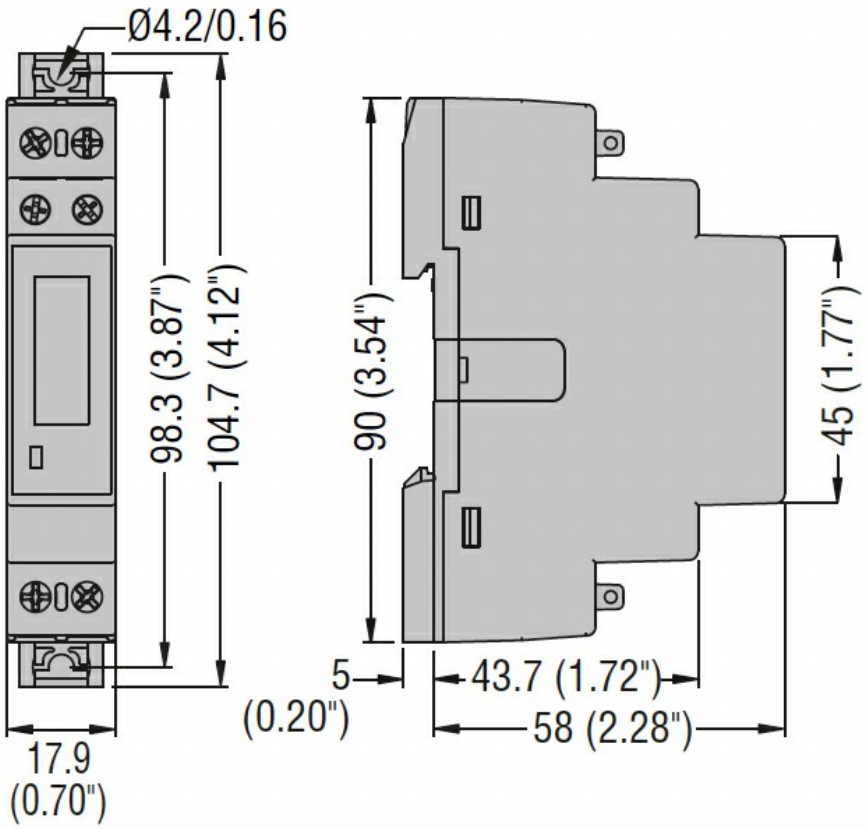
Tightening torque (Max)				
			Nm	1.5
			lbin	14
Fixing				Din rail
Weight			g	90
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+70
	Storage temperature			
		min	°C	-25
		max	°C	+70
Relative humidity			%	<80
Max altitude			m	2000
Maximum Pollution degree				2
Overvoltage category				III
Protection degree				IP40 (Front)
Mechanical environment				Class M1
Magnetic environment				Class E1

Dimensions



Wiring diagrams

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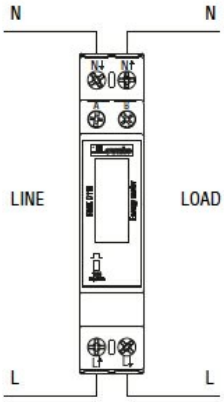

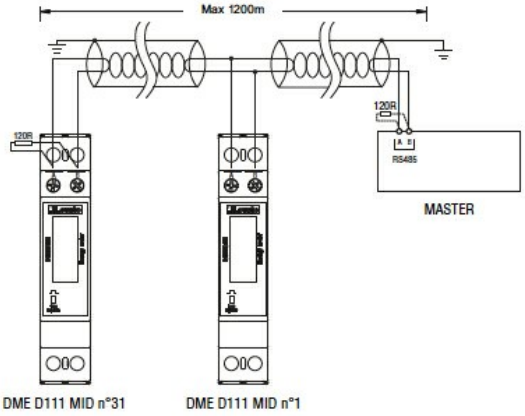

Certifications and compliance

Compliance

	EN50470-1
	EN50470-3
	TR 50579

Certificates

	MID (modulo B + D)
	RCM

ETIM classification

ETIM 8.0	EC001506 - Kilowatt-hour meter

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