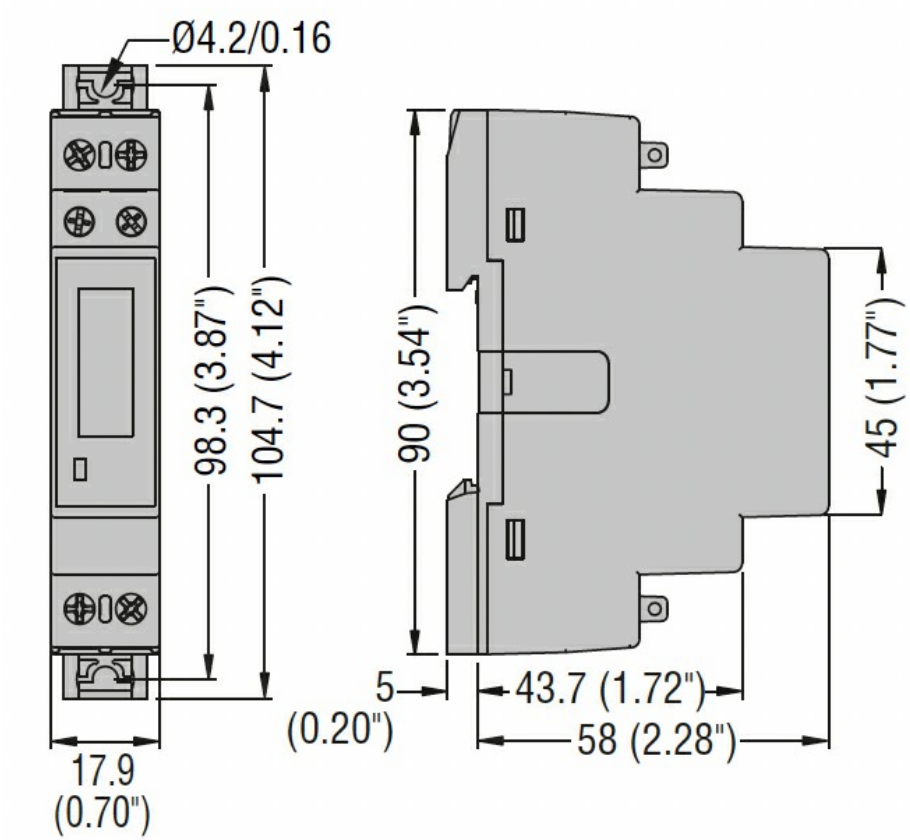
DMED111MID7

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

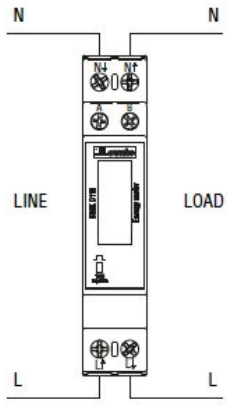
Product designation			Single-phase energy meters
Product type designation			DMED111MID7
Type			single-phase
DIN rail module number			1
Auxiliary supply Us			
Operational frequency			
	min	Hz	50
Power consumption			
	Max	VA	7
Power dissipation Max		W	0.45
Measuring voltage inputs			
Rated voltage (Ue)			
	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
Mechanical features			
Housing type			Polyamide
Terminals type			Fixed
Conductor cross section			
	min	mm²	1.5
	Max	mm²	10
	min	AWG	16
	Max	AWG	6
Tightening torque (Max)			
		Nm	1.5

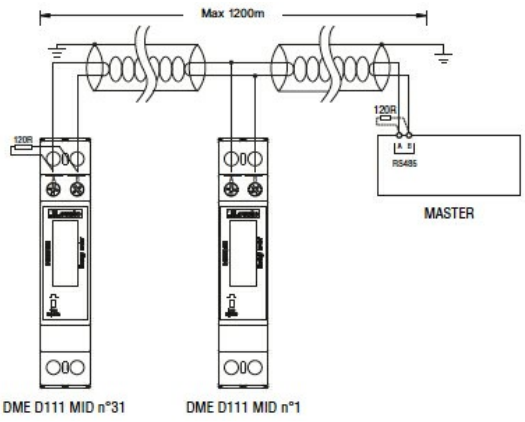
			lbin	14
Fixing				Din rail
Weight			g	90
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+70
	Storage temperature			
		min	°C	-25
		max	°C	+70
Relative humidity			%	<80
Maximum Pollution degree				2
Mechanical environment				Class M1
Magnetic environment				Class E1

Dimensions



Wiring diagrams





Certifications and compliance

Compliance	
	EN50470-1
	EN50470-3
	TR 50579
Certificates	
	MID (modulo B + D)
	RCM

ETIM classification

ETIM 8.0	EC001506 - Kilowatt-hour meter