



Auxiliary supply U_s

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 (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)

Output characteristics

LED Pulse rate	pulse/kWh	1000
LED Pulse duration	ms	30
Static output external voltage	VDC	10...30
Static outputs Maximum current	mA	50

Insulations

Rated insulation voltage U_i IEC/EN	V	250
Rated impulse withstand voltage U_{imp}	kV	6
Operating frequency withstand voltage	kV	4

Functions

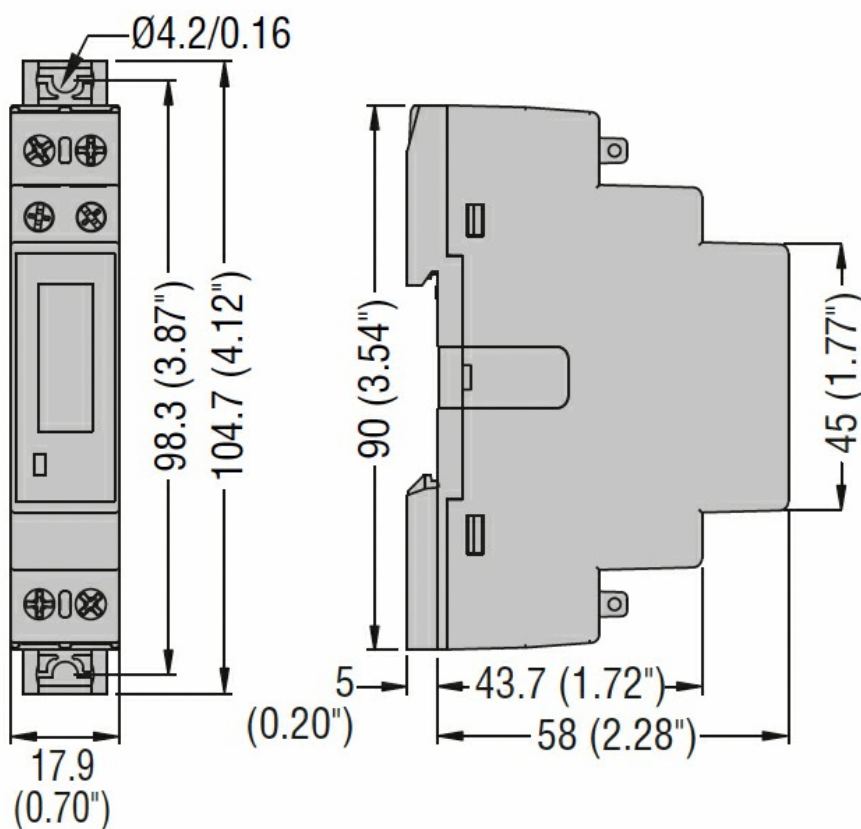
Type of communication port M-bus

Mechanical features

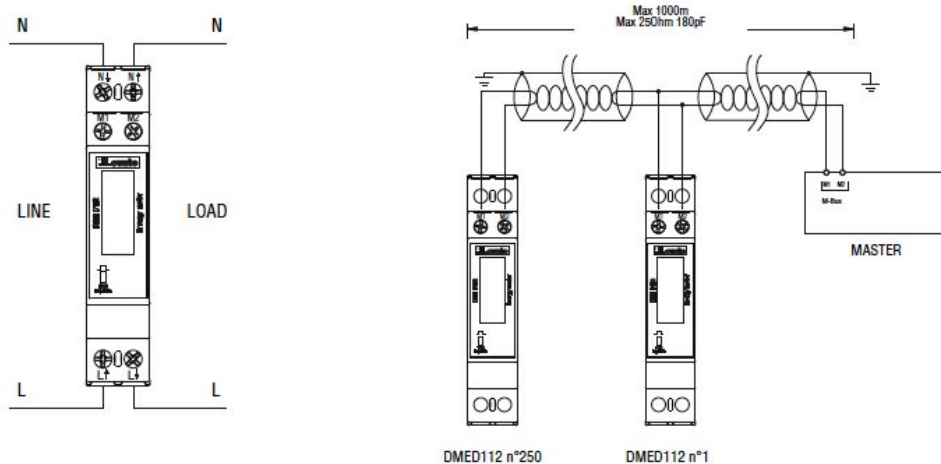
Housing type		Polyamide
Terminals type		Fixed
Conductor cross section	min	mm ² 1.5
	Max	mm ² 10

	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
Max altitude		m	2000
Maximum Pollution degree			2
Overvoltage category			III
Protection degree			IP40 (Front)
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