



Product designation

Product type designation

Type

DIN rail module number

Single-phase
energy meters
DMED111MID
single-phase
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 mm² 1.5

Max mm² 10

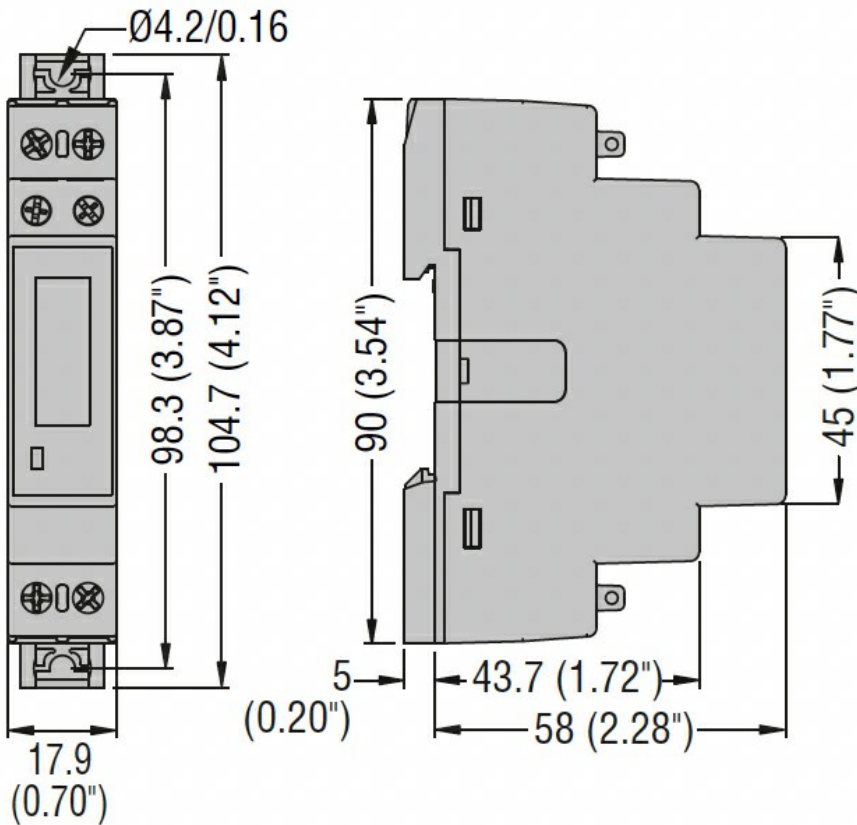
min AWG 16

Max AWG 6

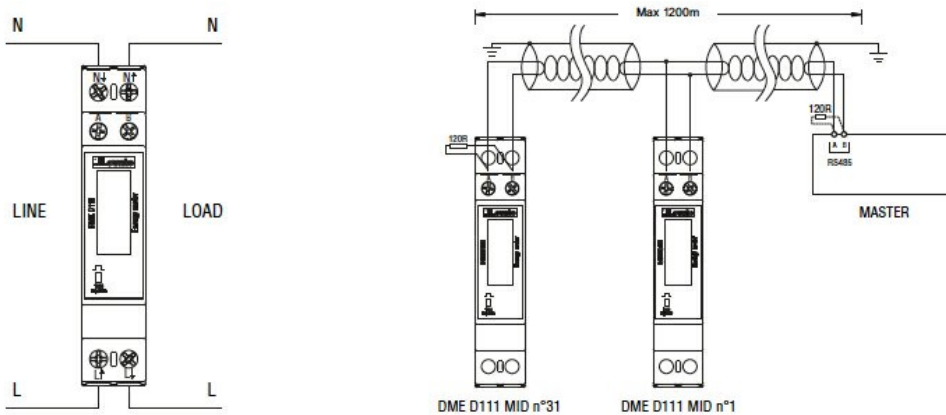
Tightening torque (Max)

Nm 1.5

		lbin	14
Fixing			Din rail
Weight		g	90
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-25
	max	°C	+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