



Single-phase
energy meters
DMED111MID7
single-phase
1

Product designation

Product type designation

Type

DIN rail module number

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

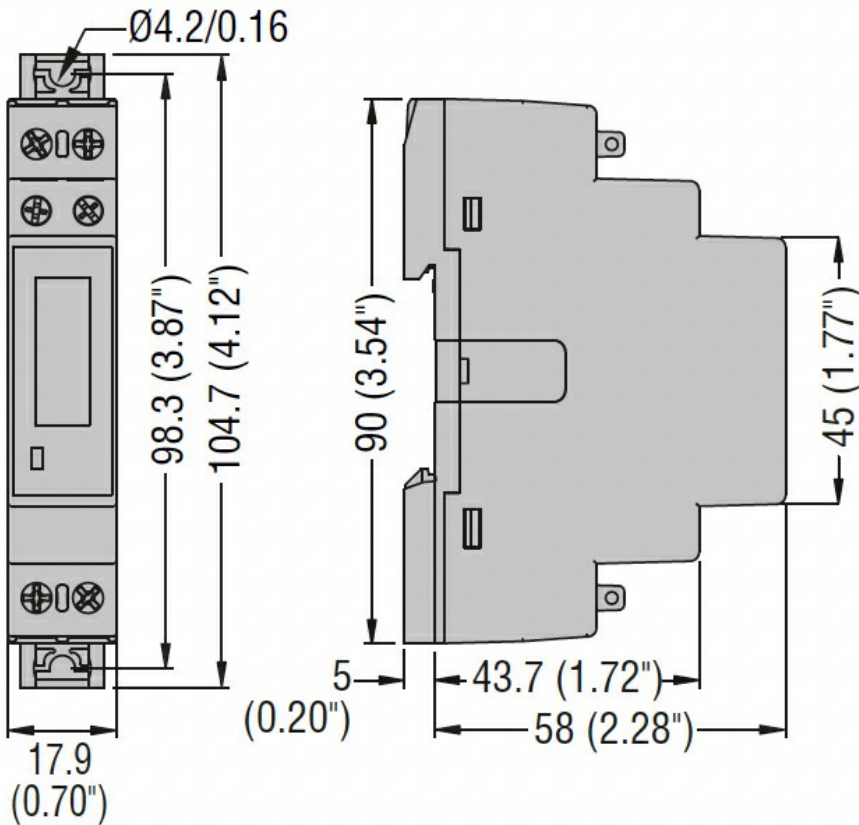
min	°C	-25
max	°C	+70

Storage temperature

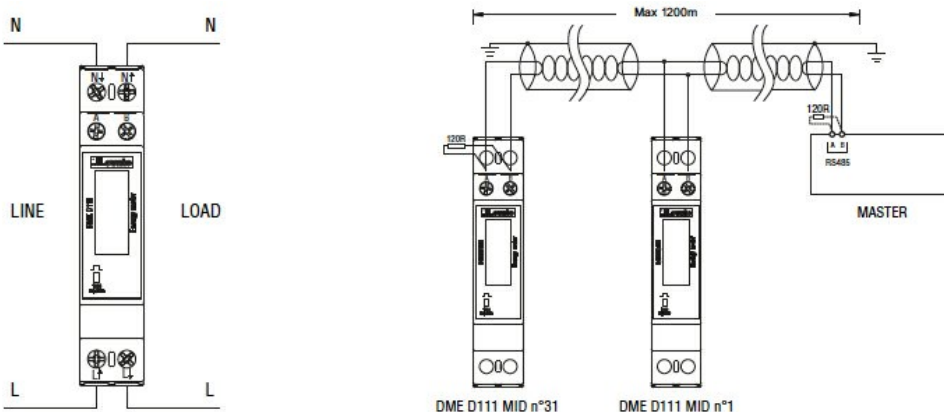
min	°C	-25
max	°C	+70

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