



Product designation

Product type designation

Type

DIN rail module number

Single-phase
energy meters
DMED120T1A120
single-phase
2

Auxiliary supply U_s

Operational frequency

max Hz 60

Power consumption

Max VA 7

Power dissipation Max

W 0.45

Measuring voltage inputs

Rated voltage (U_e)

phase-neutral VAC 110...120

Operating voltage range

phase-neutral VAC 93...264

Connection method

Direct

Current

IEC maximum (I_{max})

A 63

IEC minimum (I_{min})

A 0.5

IEC rated (I_{ref-Ib})

A 10

IEC start (I_{st})

mA 40

Transition (I_{tr})

A 1

Accuracy

Active energy

Class 1 (IEC/EN
62053-21)

Reactive energy

Class 2 (IEC/EN
62053-23)

Output characteristics

LED Pulse rate

pulse/kWh 1000

LED Pulse duration

ms 30

Static output pulse rate

pulse/kWh 1-10-100-1000
programmable

Static output pulse duration

ms 100

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

Mechanical features

Housing type

Polyamide

Terminals type

Fixed

Conductor cross section

min mm² 2.5

Max	mm ²	16
min	AWG	14
Max	AWG	6;10

Tightening torque (Max)

Nm	2
lbin	17.7

Fixing

Din rail

Weight

g 148

Ambient conditions

Temperature

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

min	°C	-25
max	°C	+70

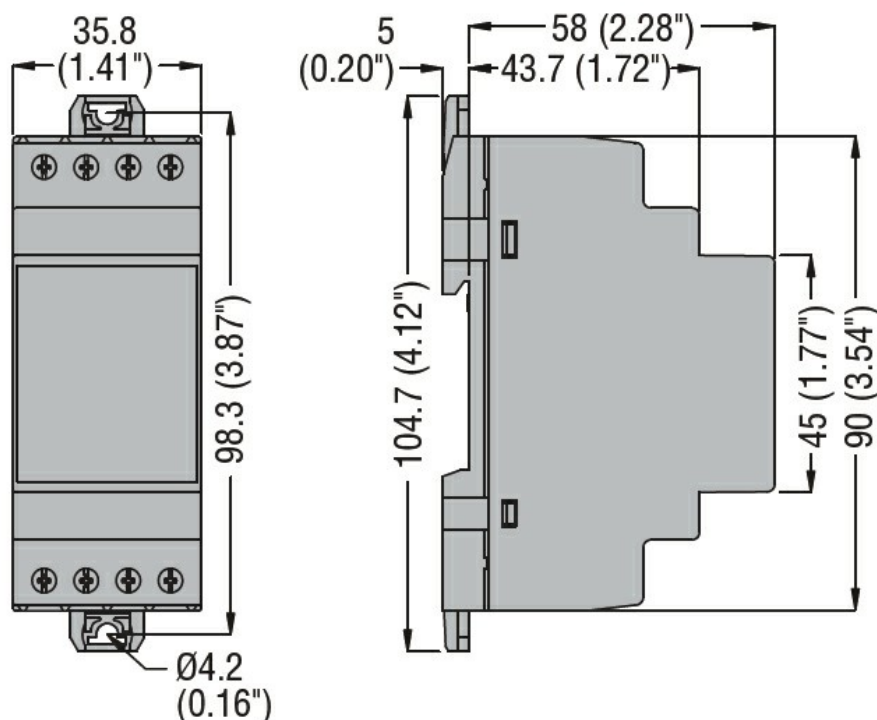
Relative humidity

% <80

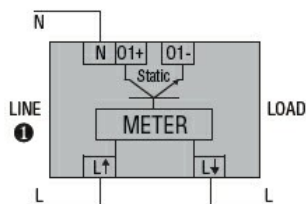
Maximum Pollution degree

2

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22-2 n° 61010-1

EN 50470-1

IEC/EN 61010-1

UL 61010-1

Certificates

cULus

EAC

RCM

ETIM classification

ETIM 8.0

EC001506 -
Kilowatt-hour
meter