



Single-phase  
energy meters  
DMED120T1A120  
single-phase  
2

Product designation

Product type designation

Type

DIN rail module number

**Auxiliary supply Us**

Operational frequency

max Hz 60

Power consumption

Max VA 7

Power dissipation Max

W 0.45

**Measuring voltage inputs**

Rated voltage (Ue)

phase-neutral VAC 110...120

Operating voltage range

phase-neutral VAC 93...264

Connection method

Direct

**Current**

IEC maximum (Imax)

A 63

IEC minimum (Imin)

A 0.5

IEC rated (Iref-Ib)

A 10

IEC start (Ist)

mA 40

Transition (Itr)

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 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 mm<sup>2</sup> 2.5

Max	mm <sup>2</sup>	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

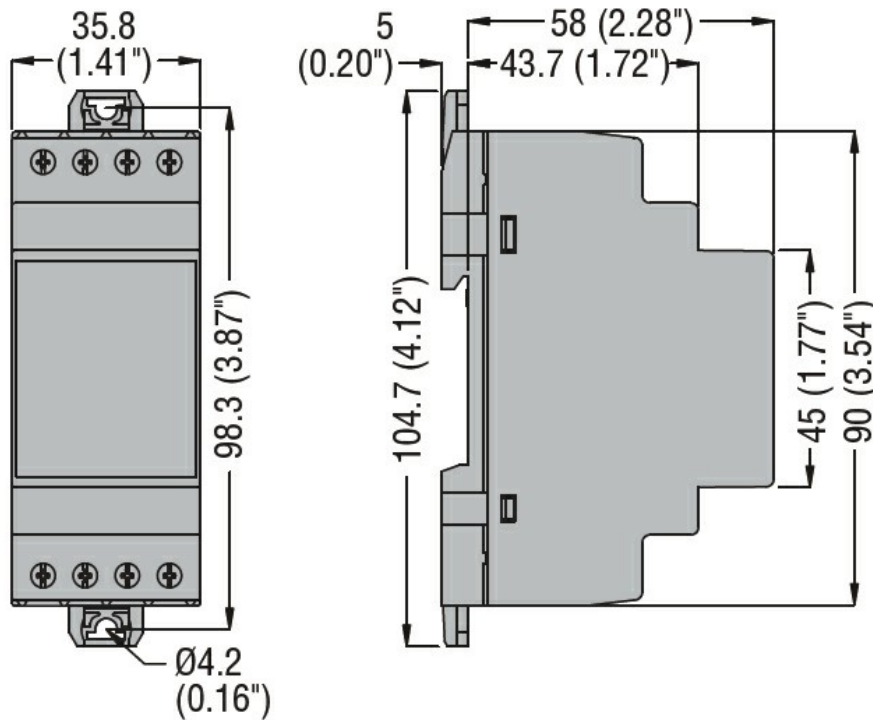
Relative humidity

% <80

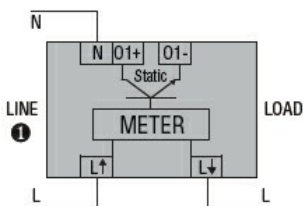
Maximum Pollution degree

2

**Dimensions**



**Wiring diagrams**



**Certifications and compliance**

Compliance

CSA C22-2 n° 61010-1

EN 50470-1

IEC/EN 61010-1

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UL 61010-1

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Certificates

cULus

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EAC

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RCM

ETIM classification

ETIM 8.0

EC001506 -  
Kilowatt-hour  
meter