



Single-phase energy meters  
DMED115T1  
single-phase  
2

Product designation

Product type designation

Type

DIN rail module number

**Auxiliary supply  $U_s$**

Operational frequency

min	Hz	50
max	Hz	60

Power consumption

Max	VA	7
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Power dissipation Max

W	0.45
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**Measuring voltage inputs**

Rated voltage ( $U_e$ )

phase-neutral	VAC	220...240
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Operating voltage range

phase-neutral	VAC	184...264
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Connection method

Direct

**Current**

IEC maximum ( $I_{max}$ )

A	40
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IEC minimum ( $I_{min}$ )

A	0.5
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IEC rated ( $I_{ref-Ib}$ )

A	10
---	----

IEC start ( $I_{st}$ )

mA	40
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Transition ( $I_{tr}$ )

A	1
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**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
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LED Pulse duration

ms	30
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Static output pulse rate

pulse/kWh	1-10-100-1000 programmable
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Static output pulse duration

ms	100
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Static output external voltage

VDC	10...30
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Static outputs Maximum current

mA	50
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**Insulations**

Rated insulation voltage  $U_i$  IEC/EN

V	250
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Rated impulse withstand voltage  $U_{imp}$

kV	6
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Operating frequency withstand voltage

kV	4
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**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 90

Ambient conditions

Temperature

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

min	°C	-25
max	°C	+70

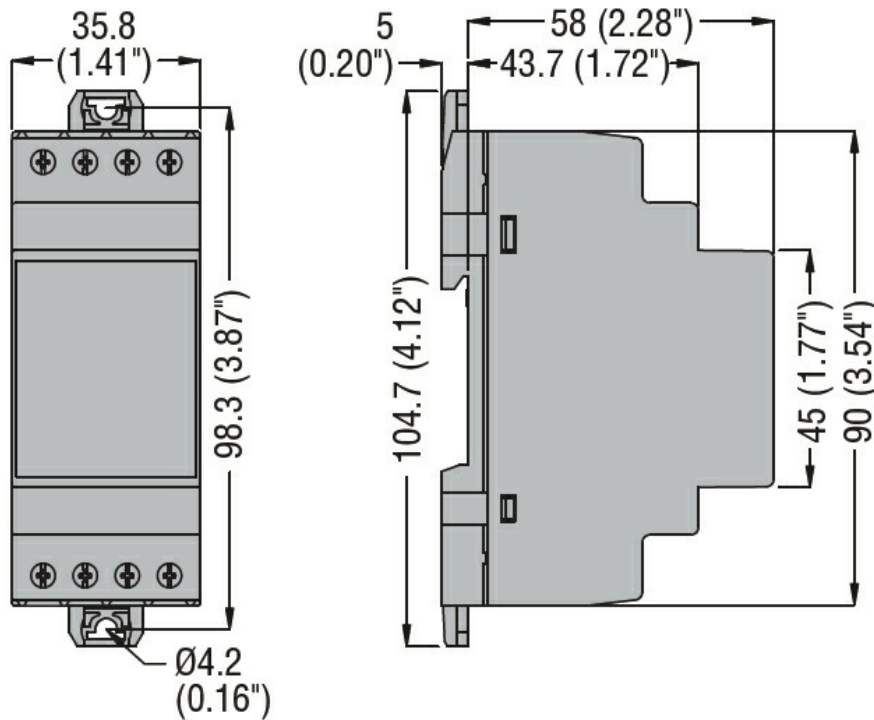
Relative humidity

% <80

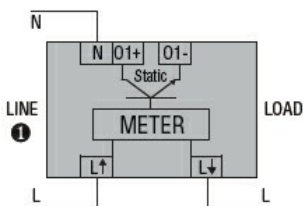
Maximum Pollution degree

2

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA 22.2 n°61010-1  
EN 50470-1

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IEC/EN 61010-1

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UL61010-1

Certificates

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cULus

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EAC

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RCM

ETIM classification

ETIM 8.0

EC001506 -  
Kilowatt-hour  
meter