



Single-phase
energy meters
DMED130LM
single-phase
2

Product designation

Product type designation

Type

DIN rail module number

Auxiliary supply Us

Operational frequency

min	Hz	50
max	Hz	60

Power consumption

Max	VA	4.8
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Power dissipation Max

W	1.4
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Measuring voltage inputs

Rated voltage (Ue)

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 (Imax)

A	63
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IEC minimum (Imin)

A	0.5
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IEC rated (Iref-Ib)

A	10
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IEC start (Ist)

mA	40
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Transition (Itr)

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

Insulations

Rated insulation voltage Ui IEC/EN

V	250
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Rated impulse withstand voltage Uimp

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

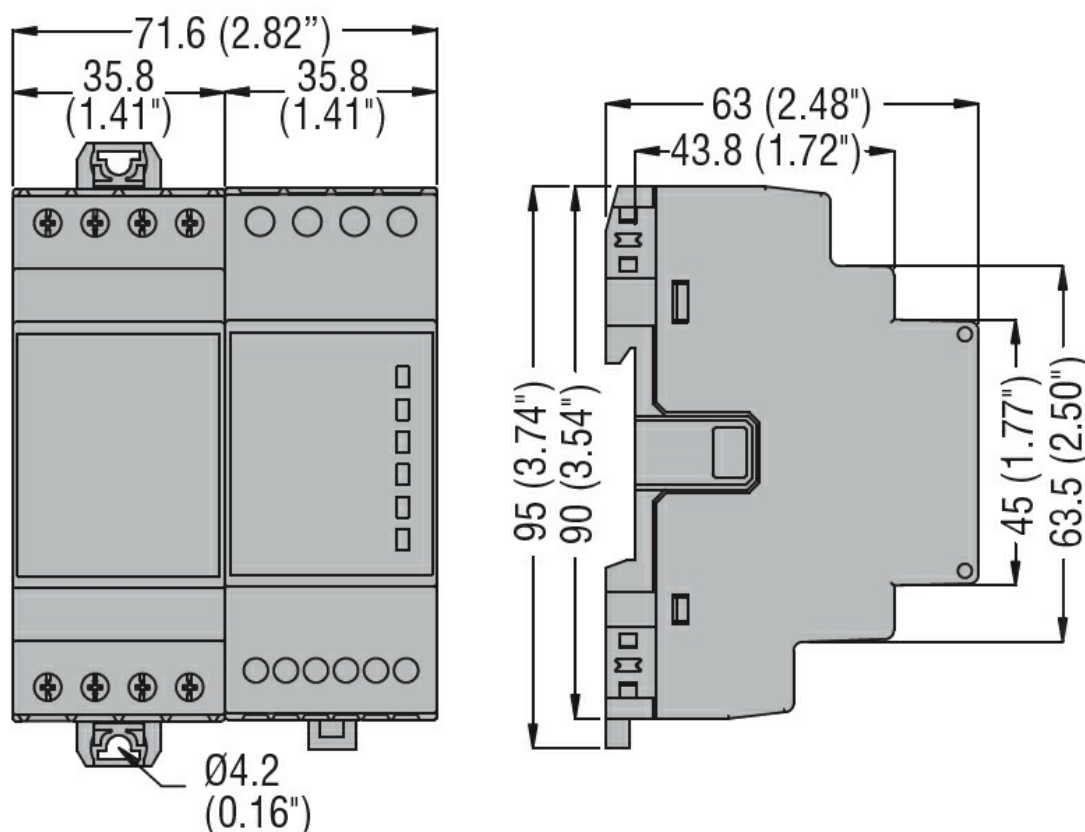
min	mm ²	2.5
Max	mm ²	16
min	AWG	14
Max	AWG	6;10

Tightening torque (Max)

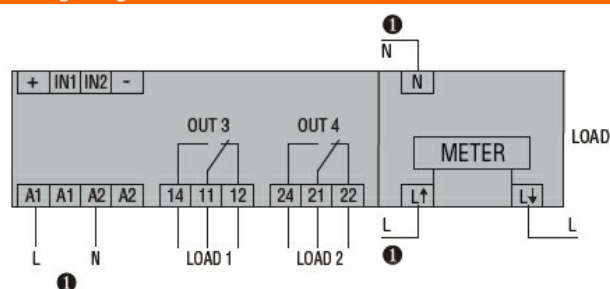
Nm	2
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		lbin	26.5
Fixing			Din rail
Weight		g	148
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-25
	max	°C	+55
Storage temperature			
	min	°C	-25
	max	°C	+70
Relative humidity		%	<80
Maximum Pollution degree			2

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 50470-1

IEC/EN 61010-1

ENERGY METER FOR LOAD MANAGEMENT, SINGLE-PHASE, NON EXPANDABLE, DIGITAL
WITH BACKLIGHT LCD DISPLAY, 63A DIRECT CONNECTION, 4U, 2 INPUTS AND 2 RELAY
OUTPUTS FOR LOAD MANAGEMENT, MULTI-MEASUREMENTS, 220...240VAC

Certificates

EAC

RCM

ETIM classification

ETIM 8.0

EC001506 -
Kilowatt-hour
meter