



Product designation

Product type designation

Type

DIN rail module number

Three-phase
energy meters
DMED330
Three-phase with
and without
neutral
4

Auxiliary supply U_s

Operational frequency

min	Hz	50
max	Hz	60

Power consumption

Max	VA	3.5
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Power dissipation Max

W	2.7
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Measuring voltage inputs

Rated voltage (U_e)

phase-phase	VAC	380...415
phase-neutral	VAC	220...240

Operating voltage range

phase-phase	VAC	323...456
phase-neutral	VAC	187...264

Connection method

Via CT

Current

IEC maximum (I_{max})

A	5
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IEC minimum (I_{min})

A	0.05
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IEC rated (I_{ref-Ib})

A	5
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IEC start (I_{st})

mA	0.005
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Transition (I_{tr})

A	0.25
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Accuracy

Measurement conditions ($T +23^{\circ}\text{C} \pm 1^{\circ}\text{C}$ / Rel. Humidity $45 \pm 15\%$ R.H.)

active energy	Class 0.5s
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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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

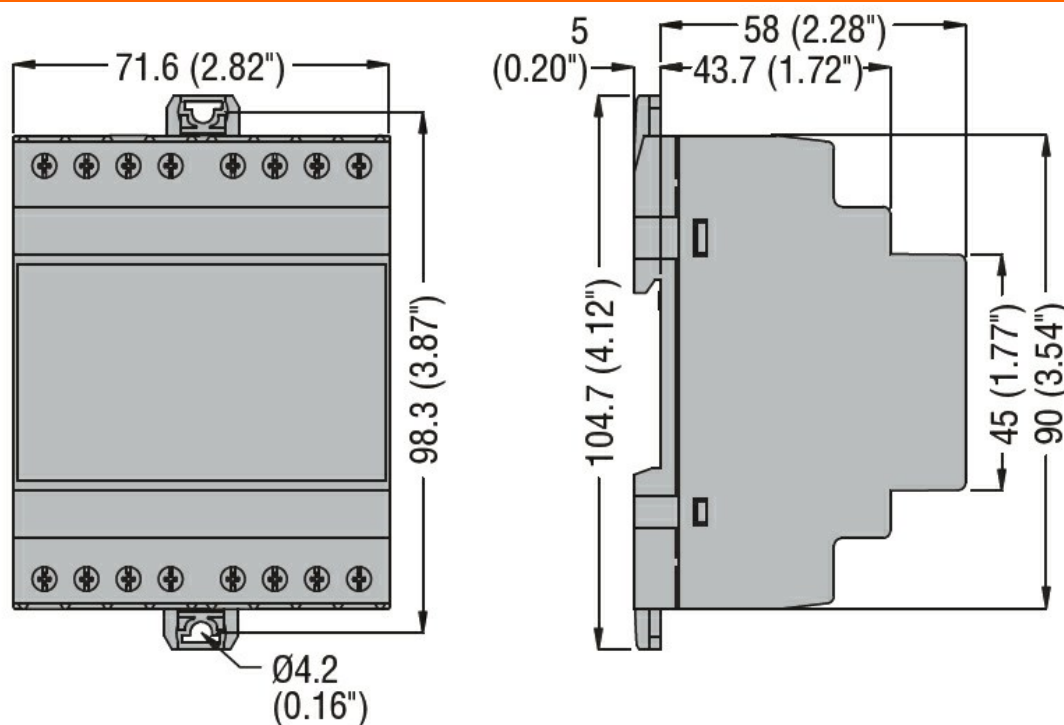
Fixed

Conductor cross section

min	mm ²	0.2
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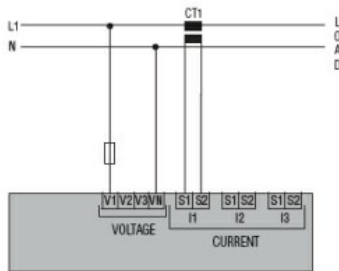
				4 for supply voltage measurement; 2.5 for current measurement
	Max	mm ²		
	min	AWG		24
	Max	AWG		12
Tightening torque (Max)				
		Nm		0.8
		lbin		7
Fixing				DIN rail
Weight		g		332
Ambient conditions				
Temperature				
	Operating temperature			
	min	°C		-25
	max	°C		+55
	Storage temperature			
	min	°C		-25
	max	°C		+70
Relative humidity		%		<80
Maximum Pollution degree				2

Dimensions

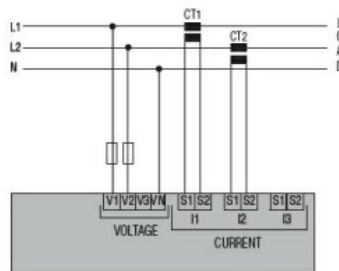


Wiring diagrams

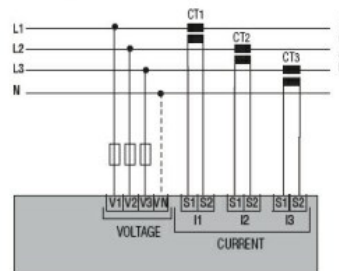
Single-phase



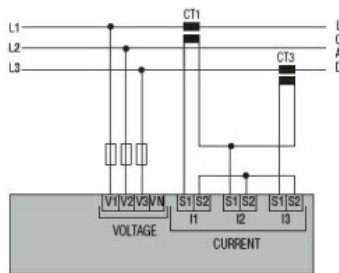
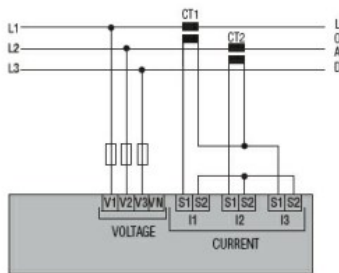
Two-phase



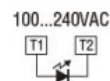
Three-phase with or without neutral



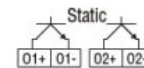
Three-phase without neutral in ARON connection



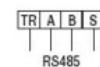
Tariff input



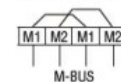
Pulse output 30VDC 50mA for DME D305 T2



RS485 for DME D330



M-Bus for DME D332



Certifications and compliance

Compliance

IEC/EN 50470-1

IEC/EN 61010-1

IEC/EN 61010-2-030

Certificates

EAC

RCM