DMED330

ENERGY METER, THREE PHASE WITH OR WITHOUT NEUTRAL, NON EXPANDABLE, CONNECTION BY CT /5A SECONDARY, 4U, RS485 INTERFACE, MULTI-MEASUREMENTS

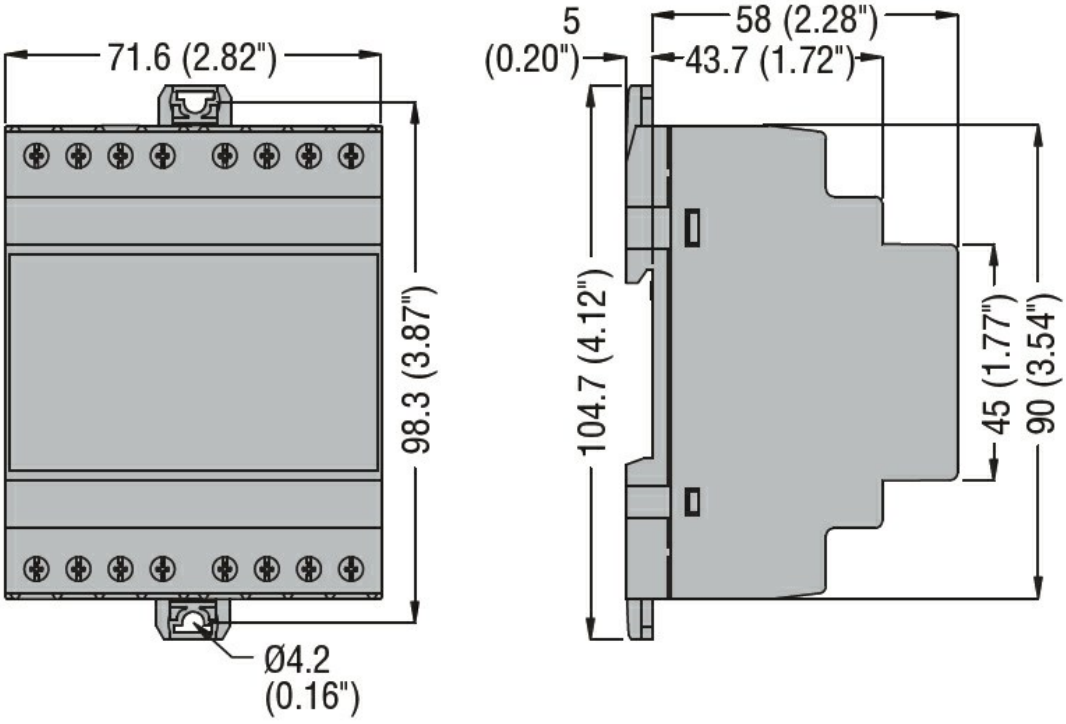


Product designation			Three-phase energy meters
Product type designation			DMED330
Type			Three-phase with and without neutral
DIN rail module number			4
Auxiliary supply Us			
Operational frequency			
	min	Hz	50
	max	Hz	60
Power consumption			
	Max	VA	3.5
Power dissipation Max		W	2.7
Measuring voltage inputs			
Rated voltage (Ue)			
	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 (Imax)		A	5
IEC minimum (Imin)		A	0.05
IEC rated (Iref-Ib)		A	5
IEC start (Ist)		mA	0.005
Transition (Itr)		A	0.25
Accuracy			
Measurement conditions (T +23°C ±1°C / Rel. Humidity 45 ±15% R.H.)			
	active energy		Class 0.5s
	reactive energy		Class 2 (IEC/EN 62053-23)
Output characteristics			
LED Pulse rate		pulse/kWh	1000
LED Pulse duration		ms	30
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	mm²	0.2

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		Max	mm²	4 for supply voltage measurement; 2.5 for current measurement
		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

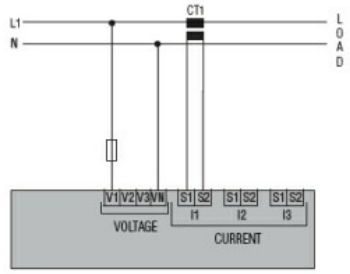
Dimensions



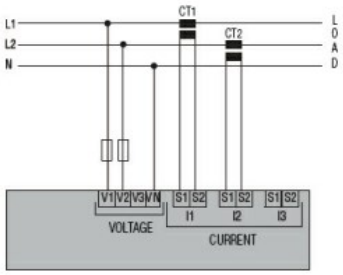
Wiring diagrams

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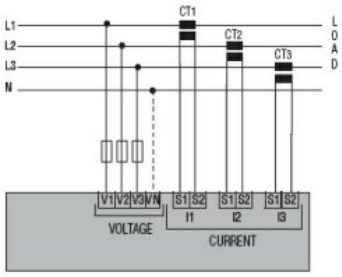
Single-phase



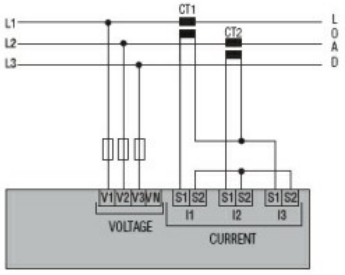
Two-phase

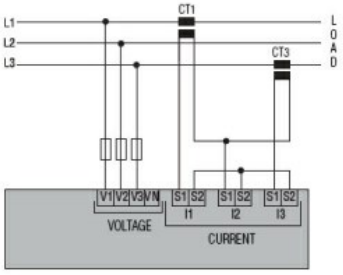


Three-phase with or without neutral



Three-phase without neutral in ARON connection

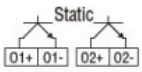




Tariff input



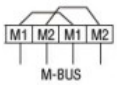
Pulse output 30VDC 50mA for DME D305 T2



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

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