DMED300T2

ENERGY METER, THREE-PHASE WITH NEUTRAL, NON EXPANDABLE, 80A DIRECT CONNECTION, 4U, 2 PROGRAMMABLE STATIC OUTPUTS, MULTI-MEASUREMENTS

Auxiliary supply Us			
Operational frequency			
	min	Hz	50
	max	Hz	60
Power consumption			
	Max	VA	20
Power dissipation Max		W	1.35
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			Direct
Current			
IEC maximum (Imax)		A	80
IEC minimum (Imin)		A	0.75
IEC rated (Iref-lb)		A	15
IEC start (Ist)		mA	60
Transition (Itr)		A	1.5
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 for 1-10-10 pulse; 60 for 1000 pulse
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	mm²	2.5

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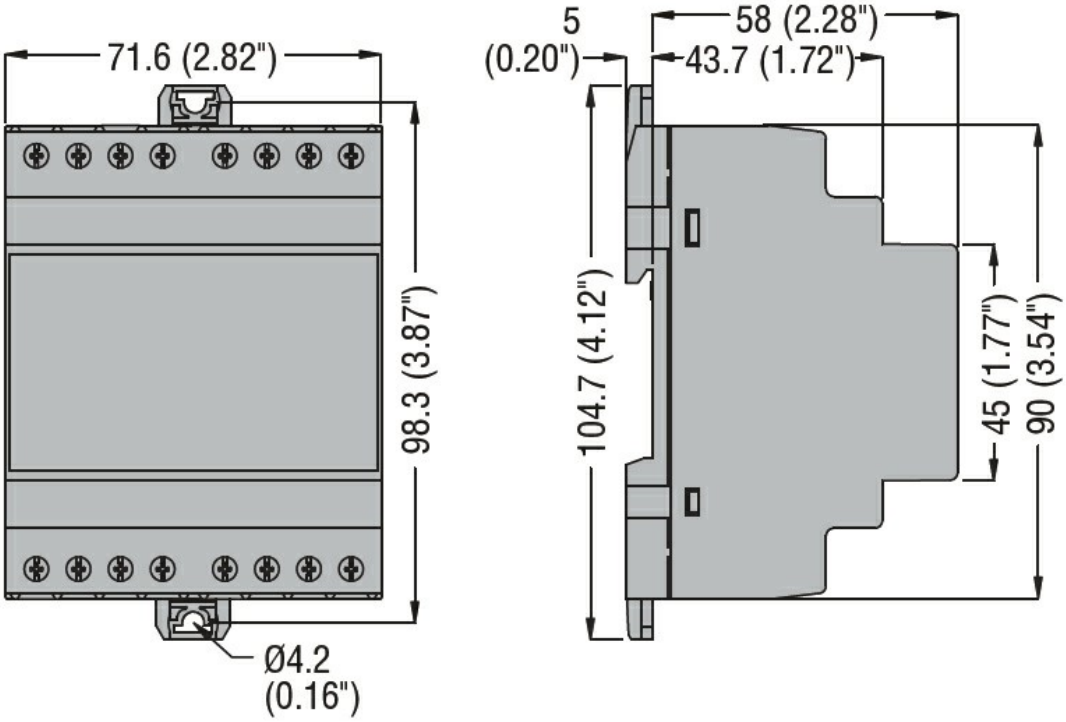
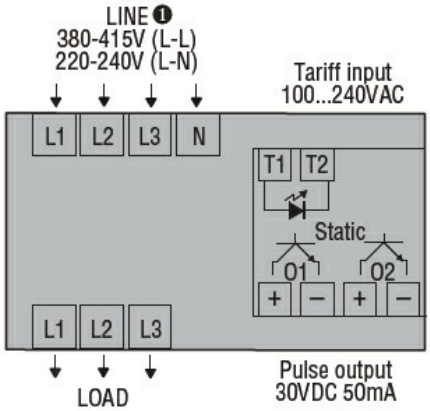
		Max	mm²	25
		min	AWG	14
		Max	AWG	4
Tightening torque (Max)				
			Nm	2
			lbin	17.7
Fixing				Din rail
Weight			g	360
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-25
		max	°C	+70
Relative humidity			%	<80
Maximum Pollution degree				2

Dimensions



Wiring diagrams



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Certifications and compliance

Compliance

IEC/EN 50470-1
IEC/EN 61010-1
IEC/EN 61010-2-030

Certificates

EAC
RCM

ETIM classification

ETIM 8.0	EC001506 - Kilowatt-hour meter

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