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DMED120T1MID

ENERGY METER, SINGLE-PHASE, MID CERTIFIED, NON EXPANDABLE, 63A DIRECT CONNECTION, 2U, 1 PROGRAMMABLE STATIC OUTPUT, MULTI-MEASUREMENTS, 230VAC



Auxiliary supply Us			
Auxiliary rated supply voltage AC		VAC	230
Auxiliary operating voltage range AC			
	min	VAC	187
	Max	VAC	264
Operational frequency			
	min	Hz	45
	max	Hz	66
Rated frequency		Hz	50
Power consumption			
	Max	VA	6.6
Power dissipation Max		W	0.45
Measuring voltage inputs			
Rated voltage (Ue)			
	phase-neutral	VAC	230
Operating voltage range			
	phase-neutral	VAC	187…264
Connection method			Direct
Current			
IEC maximum (Imax)		A	63
IEC minimum (Imin)		A	0.5
IEC rated (Iref-Ib)		A	10
IEC start (Ist)		mA	40
Transition (Itr)		A	1
Accuracy			
	Active energy		Class B (EN 50470-3)
	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	Programmable
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

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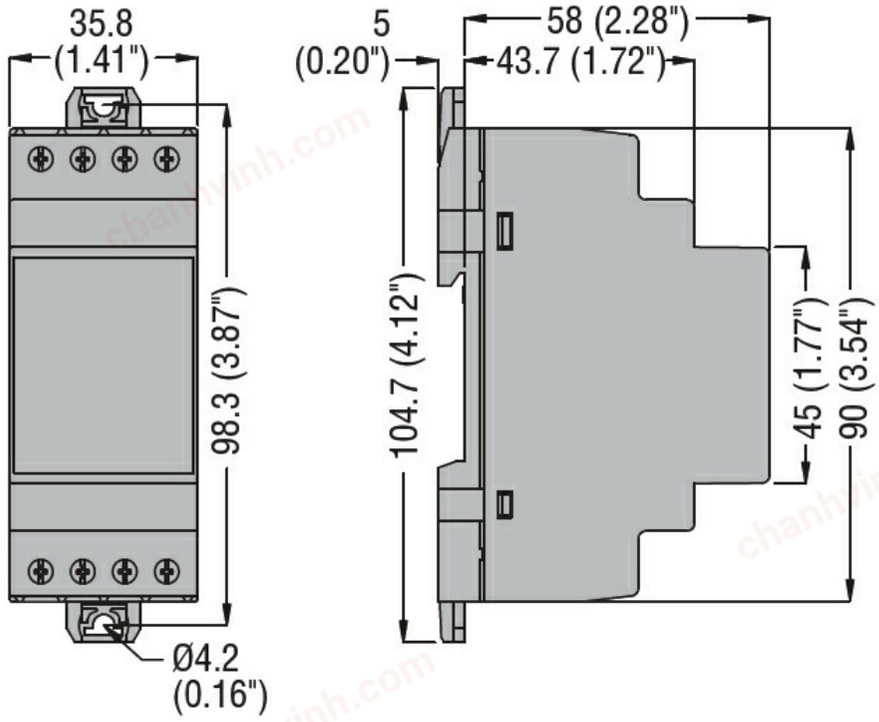
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Conductor cross section				
		min	mm²	2.5
		Max	mm²	16
		min	AWG	13
		Max	AWG	5
Tightening torque (Max)				
			Nm	1.3
			lbin	11.5
Fixing				Din rail
Weight			g	148
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-25
		max	°C	+70
Relative humidity			%	<80
Max altitude			m	2000
Maximum Pollution degree				2
Overvoltage category				III
Protection degree				IP40 (Front)
Mechanical environment				Class M1
Magnetic environment				Class E2

Dimensions



Wiring diagrams

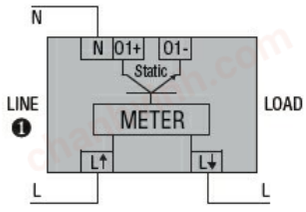
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Lovato electric
ENERGY AND AUTOMATION

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Certifications and compliance

Compliance

EN50470-1
EN50470-3
TR 50579

Certificates

EAC
MID (moduli B + D)
RCM

ETIM classification

ETIM 8.0	EC001506 - Kilowatt-hour meter

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