DMED301F

ENERGY METER, THREE-PHASE WITH NEUTRAL, NON EXPANDABLE, MID CERTIFIED, UTF CERTIFIED. 80A DIRECT CONNECTION, 4U, RS485 INTERFACE, MULTI-MEASUREMENTS

Auxiliary supply Us			
Operational frequency			
	min	Hz	50
Power consumption			
	Max	VA	20
Power dissipation Max		W	1.35
Measuring voltage inputs			
Rated voltage (Ue)			
	phase-phase	VAC	400
	phase-neutral	VAC	230
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	0.5
IEC rated (Iref-Ib)		A	10
IEC start (Ist)		mA	40
Transition (Itr)		A	1
Accuracy			
	Active energy		Class 1 (IEC/EN 62053-21)
	Reactive energy		Class 2 (IEC/EN 62053-23)
RS485 serial interface			
Baud rate		bps	Programmable 1200…38400
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
	Max	mm²	25
	min	AWG	14
	Max	AWG	4
Tightening torque (Max)			
		Nm	2
		lbin	17.7
Fixing			Din rail
Weight		g	360

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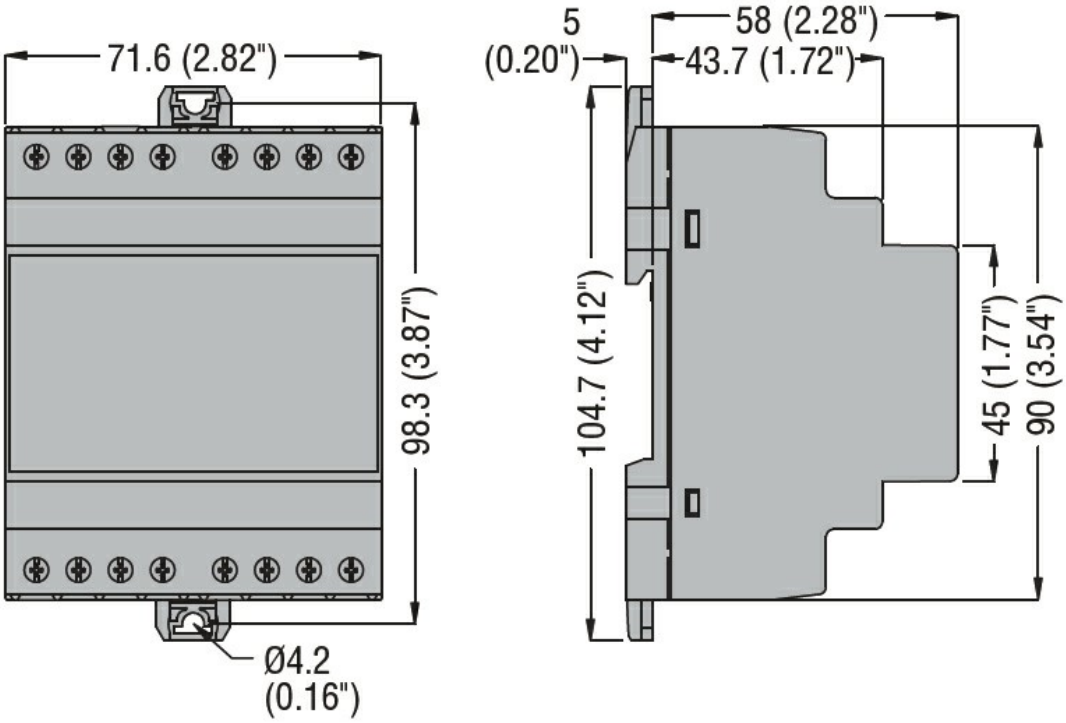
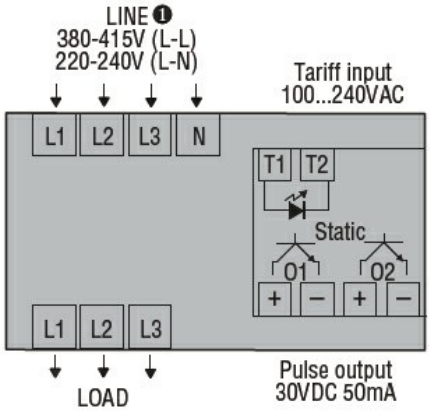
Ambient conditions

Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-25
		max	°C	+70
Relative humidity			%	<80
Maximum Pollution degree				2
Mechanical environment				Class M1
Magnetic environment				Class E1

Dimensions



Wiring diagrams



Certifications and compliance

Compliance	
	EN50470-1
	EN50470-3
	TR 50579
Certificates	

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RCM

ETIM classification

ETIM 8.0	EC001506 - Kilowatt-hour meter

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