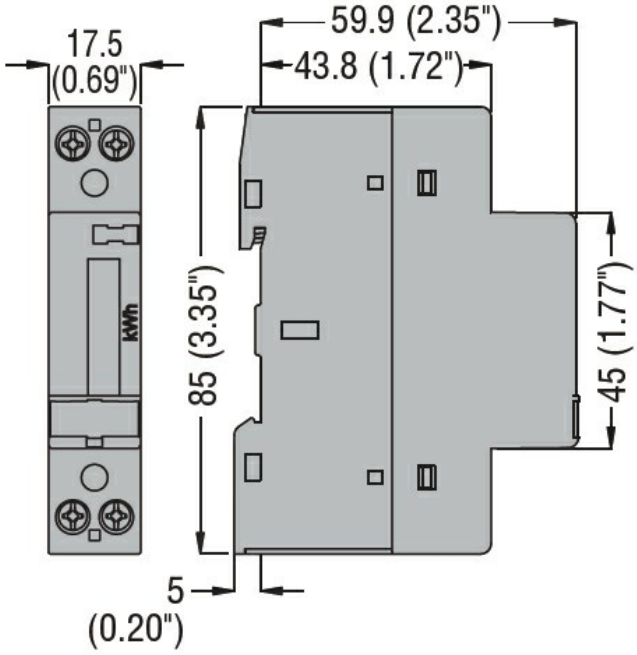
DMED100T1

ENERGY METER, SINGLE-PHASE, NON EXPANDABLE, DIGITAL WITH LCD DISPLAY, 40A DIRECT CONNECTION, 1U, 1 PULSE OUTPUT, 220...240VAC

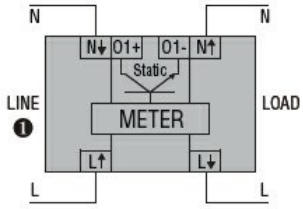
Product designation			Single-phase energy meters
Product type designation			DMED100T1
Type			single-phase
DIN rail module number			1
Auxiliary supply Us			
Operational frequency			
	min	Hz	50
	max	Hz	60
Power consumption			
	Max	VA	7
Power dissipation Max		W	0.45
Measuring voltage inputs			
Rated voltage (Ue)			
	phase-neutral	VAC	220…240
Operating voltage range			
	phase-neutral	VAC	184…264
Connection method			Direct
Current			
IEC maximum (Imax)		A	40
IEC minimum (Imin)		A	0.25
IEC rated (Iref-lb)		A	5
IEC start (Ist)		mA	20
Transition (Itr)		A	0.5
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	10
Static output pulse duration		ms	100
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	1.5

		Max	mm²	10
		min	AWG	16
		Max	AWG	6
Tightening torque (Max)				
			Nm	1.5
			lbin	14
Fixing				Din rail
Weight			g	86
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 E2

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA 22.2 n°61010-1
EN 50470-1
IEC/EN 61010-1

	UL61010-1
Certificates	
	cULus
	EAC
	RCM

ETIM classification

ETIM 8.0	EC001506 - Kilowatt-hour meter