DMED121MID

ENERGY METER, SINGLE-PHASE, MID CERTIFIED, NON EXPANDABLE, 63A DIRECT CONNECTION, 2U, RS485 INTERFACE, MULTI-MEASUREMENTS, 230VAC

Product designation			Single-phase energy meters
Product type designation			DMED121MID
Type			single-phase
DIN rail module number			2
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	50
	max	Hz	50
Power consumption			
	Max	VA	1
Power dissipation Max		W	0.4
Measuring voltage inputs			
Rated voltage (Ue)			
	phase-neutral	VAC	230
Operating voltage range			
	phase-neutral	VAC	187…264
Voltage inputs operational frequency			
	min	Hz	50
	max	Hz	50
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)
RS485 serial interface			
Baud rate		bps	Programmable 1200…38400
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
Functions			
Type of communication port			RS485
Mechanical features			
Housing type			Polyamide
Terminals type			Fixed
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			

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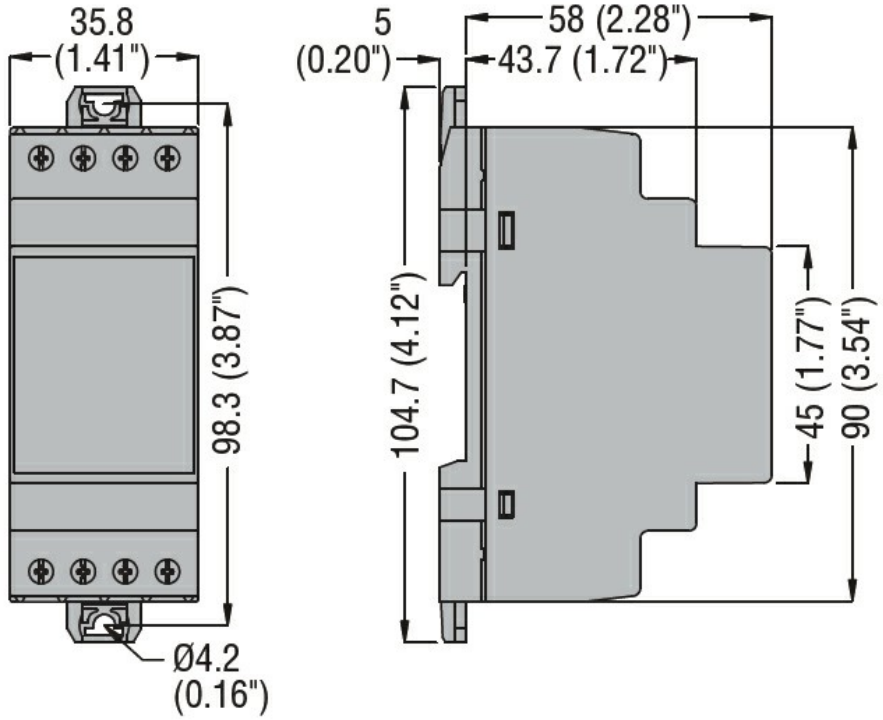
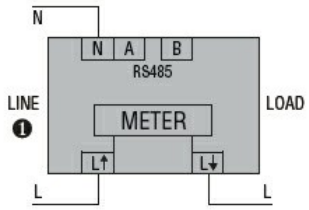


Wiring diagrams



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