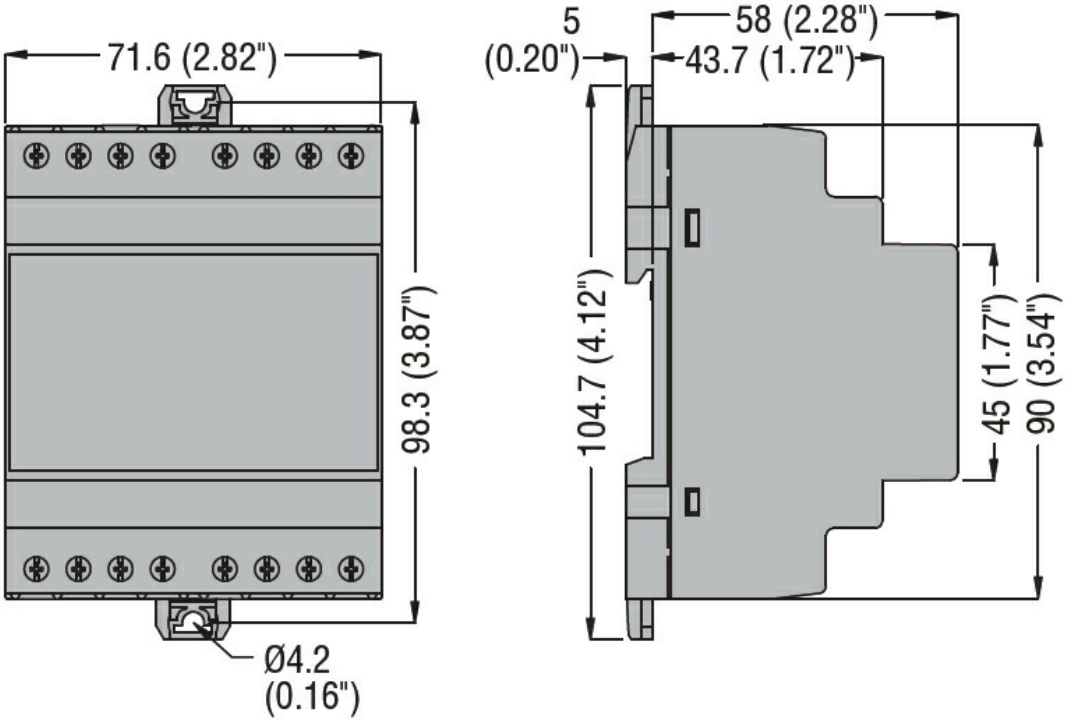
DMED301UL

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

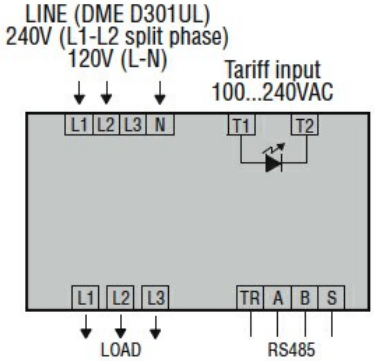
Product designation			Three-phase energy meters
Product type designation			DMED301UL
Type			Three-phase + neutral
DIN rail module number			4
Auxiliary supply Us			
Operational frequency			
	max	Hz	60
Power consumption			
	Max	VA	20
Power dissipation Max		W	1.35
Measuring voltage inputs			
Rated voltage (Ue)			
	phase-phase	VAC	240
	phase-neutral	VAC	120
Operating voltage range			
	phase-phase	VAC	204...276
	phase-neutral	VAC	102...138
Voltage inputs operational frequency			
	min	Hz	54
	max	Hz	66
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
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



Certifications and compliance

Compliance

	IEC/EN 50470-1
	IEC/EN 61010-1
	IEC/EN 61010-2-030
Certificates	
	cULus
	EAC
	RCM

ETIM classification

ETIM 8.0	EC001506 - Kilowatt-hour meter