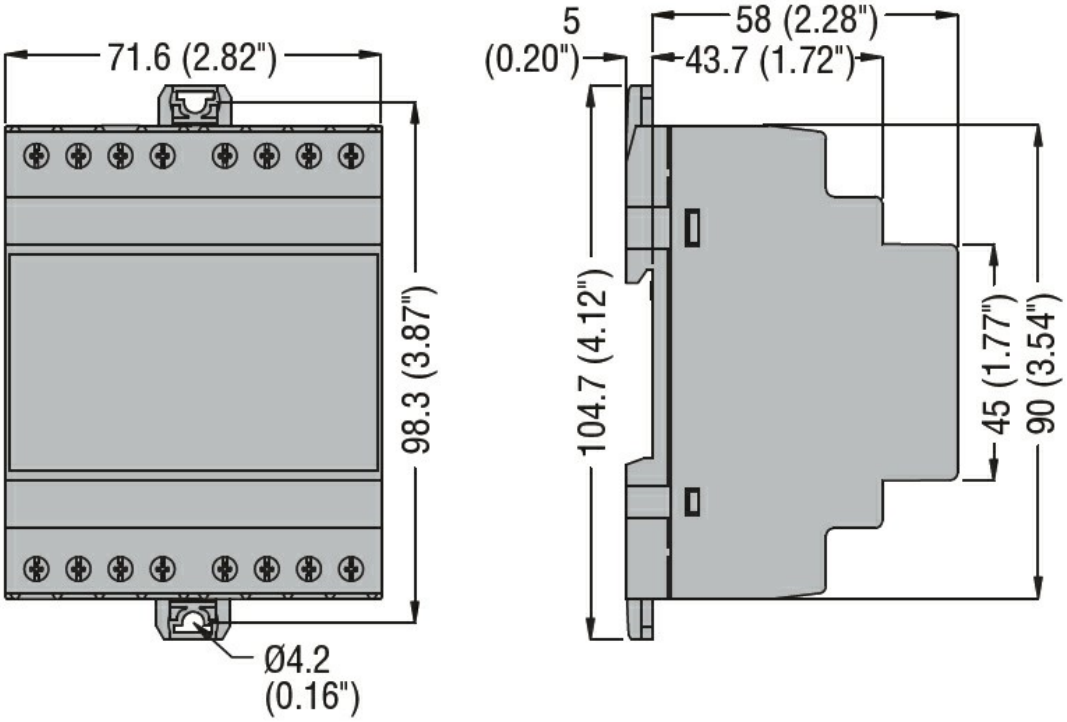
DMED301MID

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

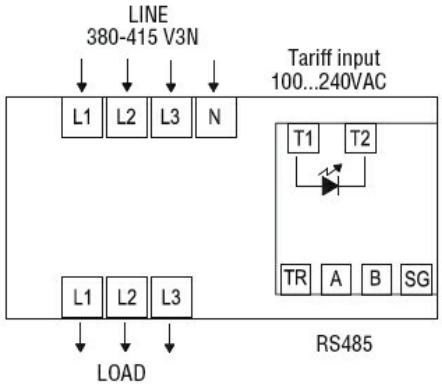
Auxiliary supply Us			
Auxiliary operating voltage range AC	Max	VAC	456
Operational frequency	min	Hz	45
	max	Hz	66
Rated frequency		Hz	50
Power consumption	Max	VA	2.5
Power dissipation Max		W	1
Measuring voltage inputs			
Rated voltage (Ue)	phase-phase	VAC	400
	phase-neutral	VAC	230
Operating voltage 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 B (EN 50470-3)
	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
Functions			
Type of communication port			RS485
Mechanical features			
Housing type			Polyamide
Terminals type			Fixed
Conductor cross section	min	mm²	2.5
	Max	mm²	25

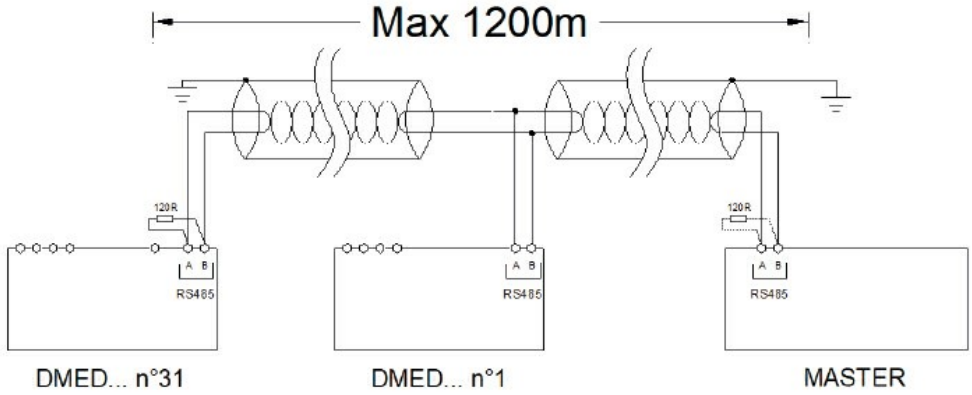
		min	AWG	14
		Max	AWG	4
Tightening torque (Max)				
			Nm	2
			lbin	17.7
Fixing				Din rail
Weight			g	360
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-25
		max	°C	+70
Relative humidity			%	<80
Max altitude			m	2000
Maximum Pollution degree				2
Overvoltage category				III
Protection degree				IP40 (Front)
Mechanical environment				Class M1
Magnetic environment				Class E2

Dimensions



Wiring diagrams





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