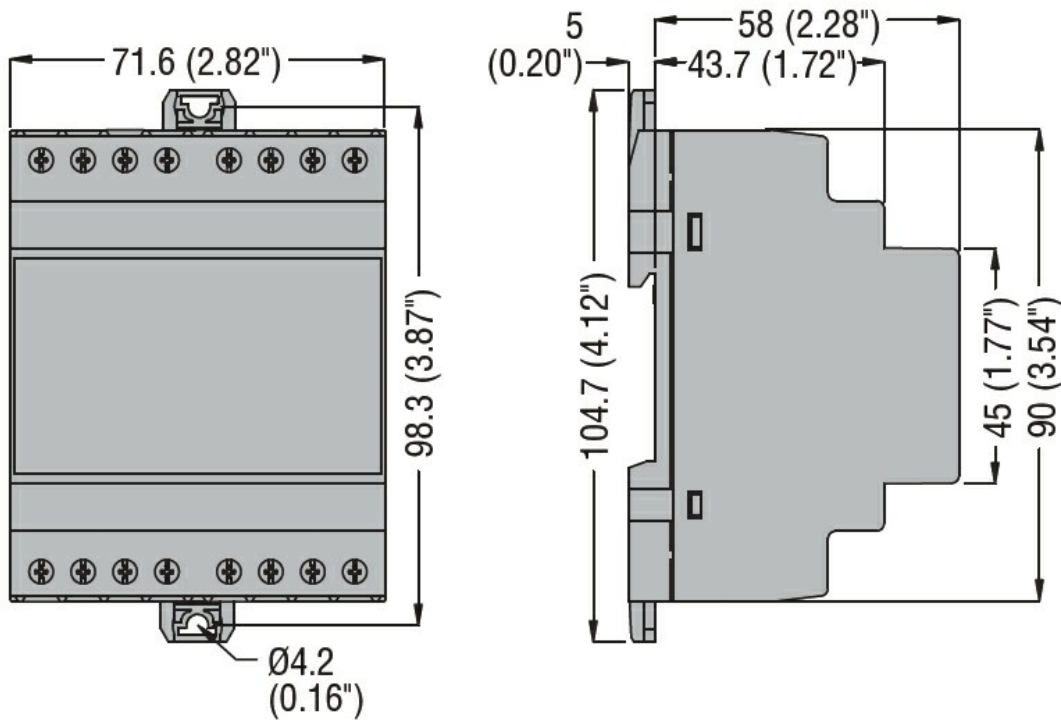




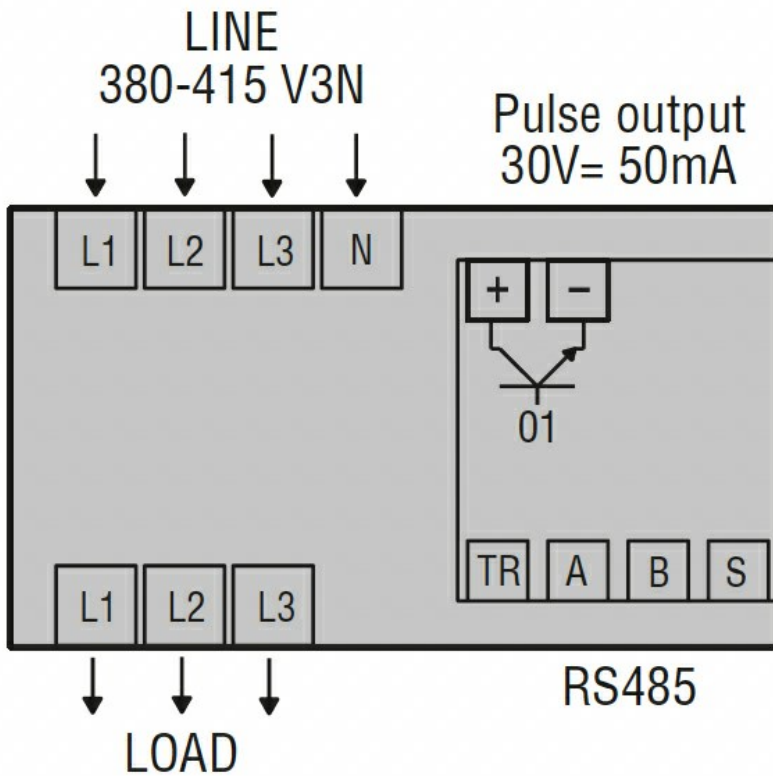
Product designation	Three-phase energy meters		
Product type designation	DMED341MID7ER		
Type	Three-phase + neutral		
DIN rail module number	4		
Auxiliary supply U_s			
Operational frequency	min	Hz	50
Power consumption	Max	VA	20
Power dissipation Max		W	1.35
Measuring voltage inputs			
Rated voltage (U_e)	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 (I_{max})		A	80
IEC minimum (I_{min})		A	0.5
IEC rated (I_{ref-Ib})		A	10
IEC start (I_{st})		mA	40
Transition (I_{tr})		A	1
Accuracy			
	Active energy	Class B (EN 50470-3) - Import / export	
	Reactive energy	Class 2 (IEC/EN 62053-23)	
RS485 serial interface			
Baud rate		bps	Programmable 1200...38400
Insulations			
Rated insulation voltage U_i IEC/EN		V	300
Rated impulse withstand voltage U_{imp}		kV	6
Operating frequency withstand voltage		kV	4
Mechanical features			
Housing type	Polyamide		
Terminals type	Fixed		
Conductor cross section	min	mm ²	2.5
	Max	mm ²	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	+70
	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

BS EN 50470-3
IEC/EN/BS 62052-11
IEC/EN/BS 62052-31
VDE-AR-E 2418-3-100

Certificates

EAC
MID (moduli B + D)
MIR

ETIM classification

ETIM 8.0

EC001506 -
Kilowatt-hour
meter