

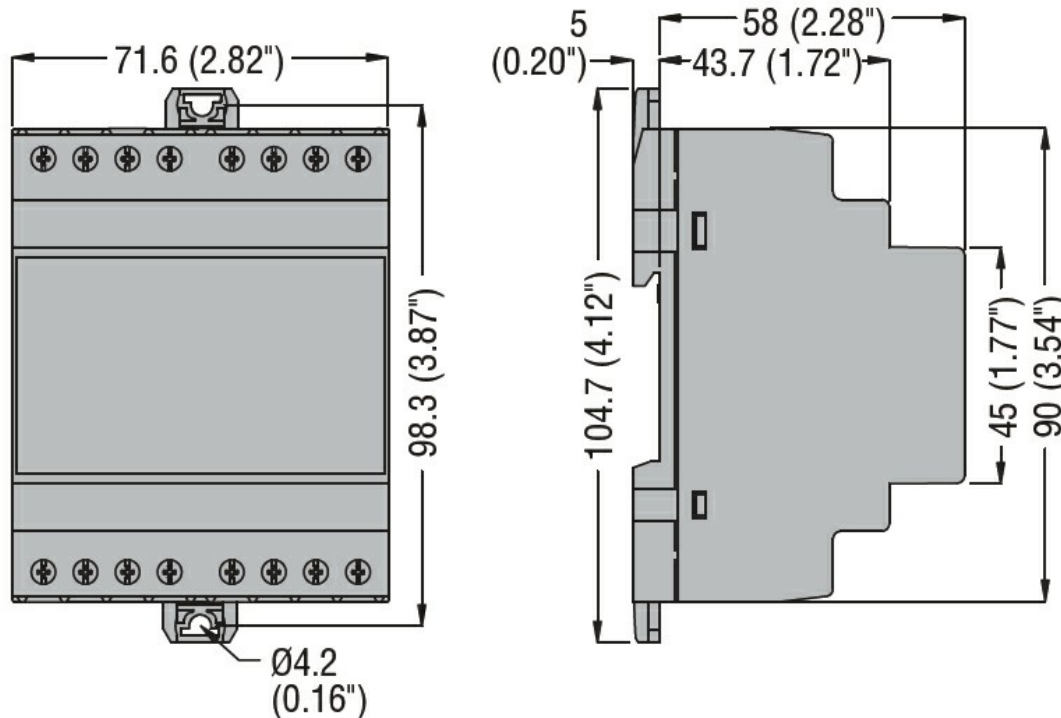


Three-phase energy meters  
DMED300T2MID  
Three-phase + neutral  
4

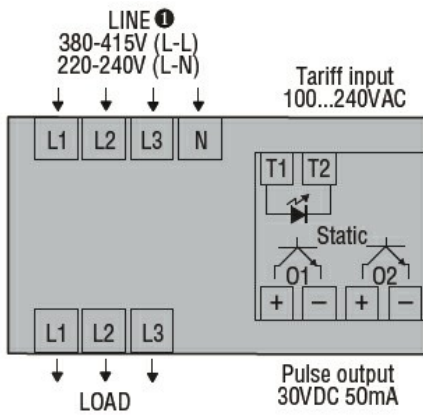
Product designation			
Product type designation			
Type			
DIN rail module number			
<b>Auxiliary supply <math>U_s</math></b>			
Operational frequency	min	Hz	50
Power consumption	Max	VA	20
Power dissipation Max		W	1.35
<b>Measuring voltage inputs</b>			
Rated voltage ( $U_e$ )	phase-phase	VAC	400
	phase-neutral	VAC	230
Operating voltage range	phase-phase	VAC	323...456
	phase-neutral	VAC	187...264
Connection method	Direct		
<b>Current</b>			
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
<b>Accuracy</b>			
	Active energy	Class B (EN 50470-3)	
	Reactive energy	Class 2 (IEC/EN 62053-23)	
<b>Output characteristics</b>			
LED Pulse rate		pulse/kWh	1000
LED Pulse duration		ms	30
Static output pulse rate		pulse/kWh	1-10-100-1000 programmable
Static output pulse duration		ms	100 for 1-10-10 pulse; 60 for 1000 pulse
Static output external voltage		VDC	10...30
Static outputs Maximum current		mA	50
<b>Insulations</b>			
Rated insulation voltage $U_i$ IEC/EN		V	250
Rated impulse withstand voltage $U_{imp}$		kV	6
Operating frequency withstand voltage		kV	4
<b>Mechanical features</b>			

Housing type	Polyamide		
Terminals type	Fixed		
Conductor cross section	min	mm <sup>2</sup>	2.5
	Max	mm <sup>2</sup>	25
	min	AWG	14
	Max	AWG	4
Tightening torque (Max)		Nm	2
		lbin	17.7
Fixing	Din rail		
Weight		g	360
<b>Ambient conditions</b>			
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

EN50470-1

EN50470-3

TR 50579

#### Certificates

EAC

MID (moduli B + D)

RCM

### ETIM classification

ETIM 8.0

EC001506 -  
Kilowatt-hour  
meter