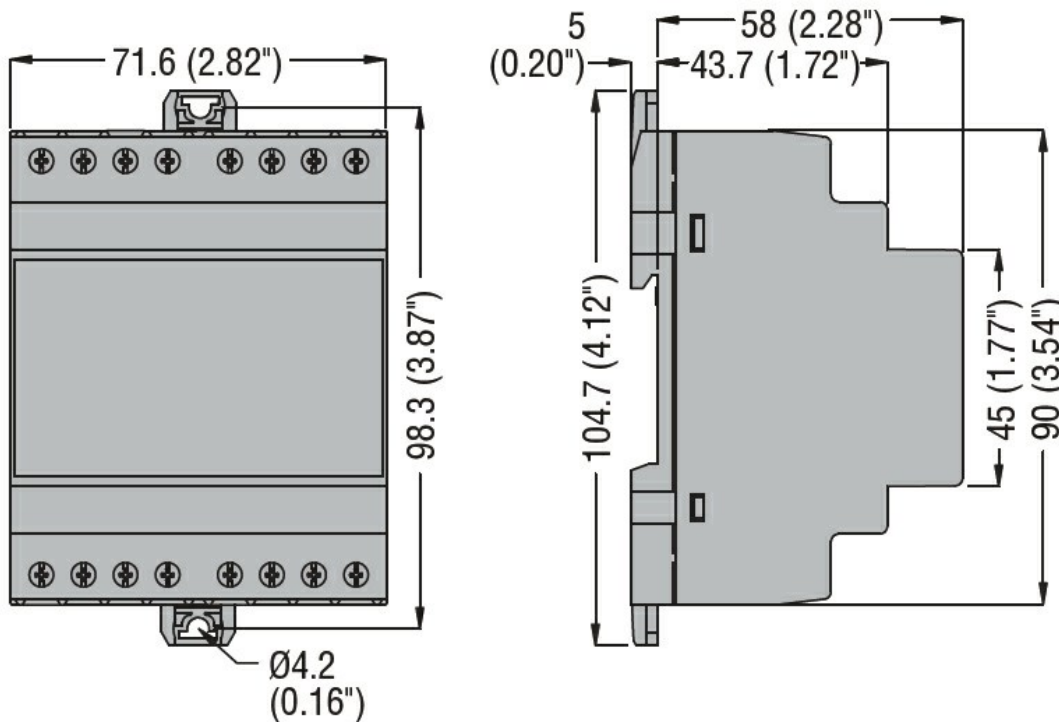




Product designation	Three-phase energy meters		
Product type designation	DMED330MID + UTF		
Type	CERTIFICATE		
DIN rail module number	Three-phase + neutral		
Auxiliary supply $U_s$	4		
Operational frequency	min	Hz	50
Power consumption	Max	VA	3.5
Power dissipation Max		W	2.7
<b>Measuring voltage inputs</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	Via CT		
<b>Current</b>			
IEC maximum ( $I_{max}$ )		A	5
IEC minimum ( $I_{min}$ )		A	0.05
IEC rated ( $I_{ref-Ib}$ )		A	5
IEC start ( $I_{st}$ )		mA	0.005
Transition ( $I_{tr}$ )		A	0.25
<b>Accuracy</b>			
	Active energy		Class 0.5s (IEC/EN 62053-22)
	Reactive energy		Class 2 (IEC/EN 62053-23)
<b>Output characteristics</b>			
LED Pulse rate		pulse/kWh	1000
LED Pulse duration		ms	30
<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>	0.2

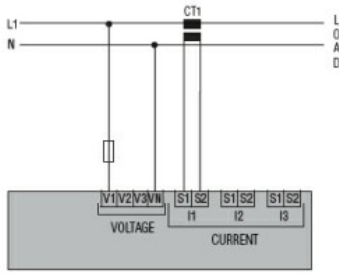
				4 for supply voltage measurement; 2.5 for current measurement
	Max	mm <sup>2</sup>		
	min	AWG		24
	Max	AWG		12
<hr/>				
Tightening torque (Max)			Nm	0.8
			lbin	7
<hr/>				
Fixing				Din rail
<hr/>				
Weight			g	381
<hr/>				
<b>Ambient conditions</b>				
Temperature				
	Operating temperature			
	min	°C		-25
	max	°C		+55
	Storage temperature			
	min	°C		-25
	max	°C		+70
<hr/>				
Relative humidity			%	<80
<hr/>				
Maximum Pollution degree				2
<hr/>				
Mechanical environment				Class M1
<hr/>				
Magnetic environment				Class E1

**Dimensions**

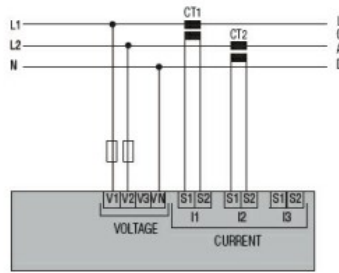


**Wiring diagrams**

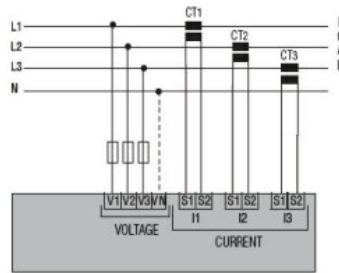
Single-phase



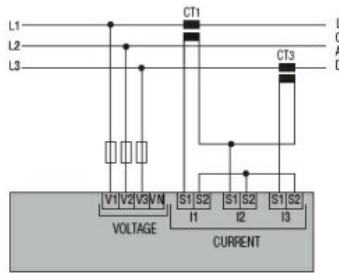
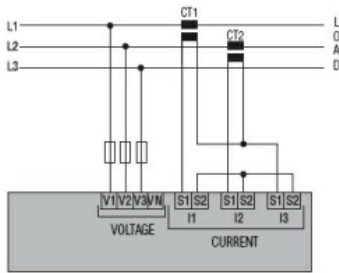
Two-phase



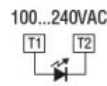
Three-phase with or without neutral



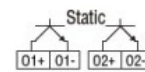
Three-phase without neutral in ARON connection



Tariff input



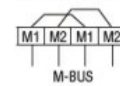
Pulse output 30VDC 50mA for DME D305 T2



RS485 for DME D330



M-Bus for DME D332



**Certifications and compliance**

Compliance

EN50470-1

EN50470-3

TR 50579

Certificates

RCM

**ETIM classification**

ETIM 8.0

EC001506 -  
Kilowatt-hour  
meter