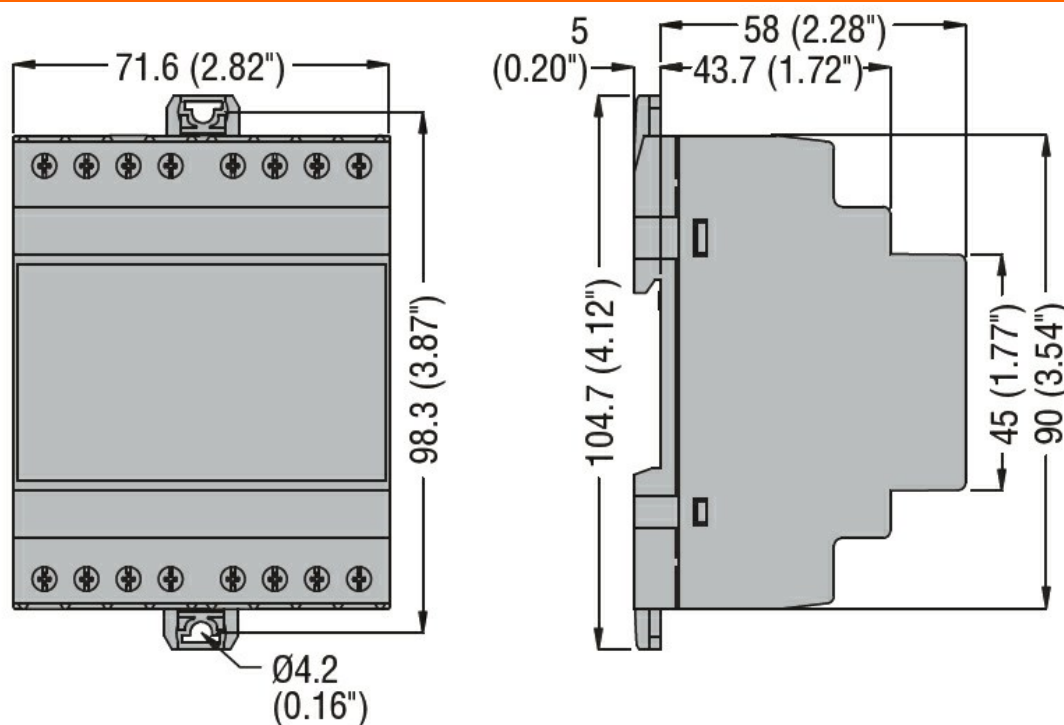




Product designation	Three-phase energy meters		
Product type designation	DMED330		
Type	Three-phase with and without neutral		
DIN rail module number	4		
Auxiliary supply $U_s$			
Operational frequency	min	Hz	50
	max	Hz	60
Power consumption	Max	VA	3.5
Power dissipation Max		W	2.7
Measuring voltage inputs			
Rated voltage ( $U_e$ )	phase-phase	VAC	380...415
	phase-neutral	VAC	220...240
Operating voltage range	phase-phase	VAC	323...456
	phase-neutral	VAC	187...264
Connection method	Via CT		
Current			
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
Accuracy			
	Active energy		Class 0.5s (IEC/EN 62053-22)
	Reactive energy		Class 2 (IEC/EN 62053-23)
Output characteristics			
LED Pulse rate		pulse/kWh	1000
LED Pulse duration		ms	30
Insulations			
Rated insulation voltage $U_i$ IEC/EN		V	250
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 <sup>2</sup>	0.2

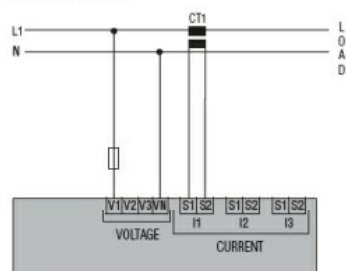
				4 for supply voltage measurement; 2.5 for current measurement
	Max	mm <sup>2</sup>		
	min	AWG		24
	Max	AWG		12
Tightening torque (Max)				
		Nm		0.8
		lbin		7
Fixing				
				Din rail
Weight				
		g		332
Ambient conditions				
Temperature				
	Operating temperature			
	min	°C		-25
	max	°C		+55
	Storage temperature			
	min	°C		-25
	max	°C		+70
Relative humidity				
		%		<80
Maximum Pollution degree				
				2

## Dimensions

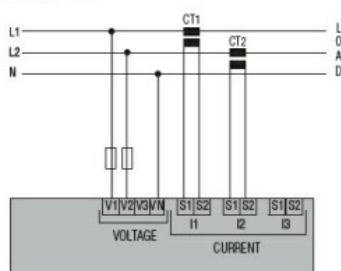


## Wiring diagrams

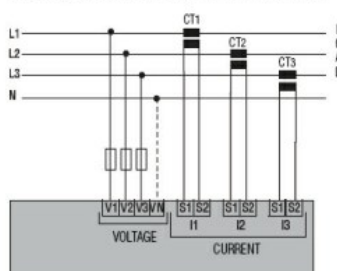
Single-phase



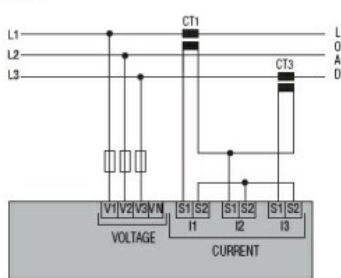
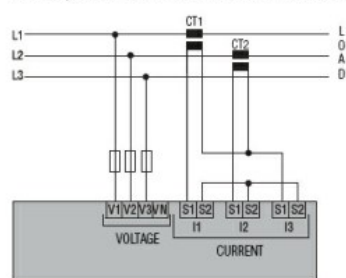
Two-phase



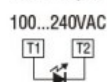
Three-phase with or without neutral



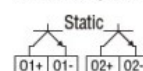
Three-phase without neutral in ARON connection



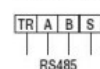
Tariff input



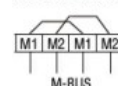
Pulse output 30VDC 50mA for DME D305 T2



RS485 for DME D330



M-Bus for DME D332



## Certifications and compliance

### Compliance

IEC/EN 50470-1

IEC/EN 61010-1

IEC/EN 61010-2-030

### Certificates

EAC

RCM

## ETIM classification

ETIM 8.0

EC001506 -  
Kilowatt-hour  
meter