



Auxiliary supply U_s

Auxiliary operating voltage range
AC

	Max	VAC	456
Operational frequency	min	Hz	45
	max	Hz	66
Rated frequency		Hz	50
Power consumption	Max	VA	3.5
Power dissipation Max		W	2.7

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			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 B (EN 50470-3)
Reactive energy		Class 2 (IEC/EN 62053-23)

Output characteristics

LED Pulse rate	pulse/kWh	10000
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

Functions

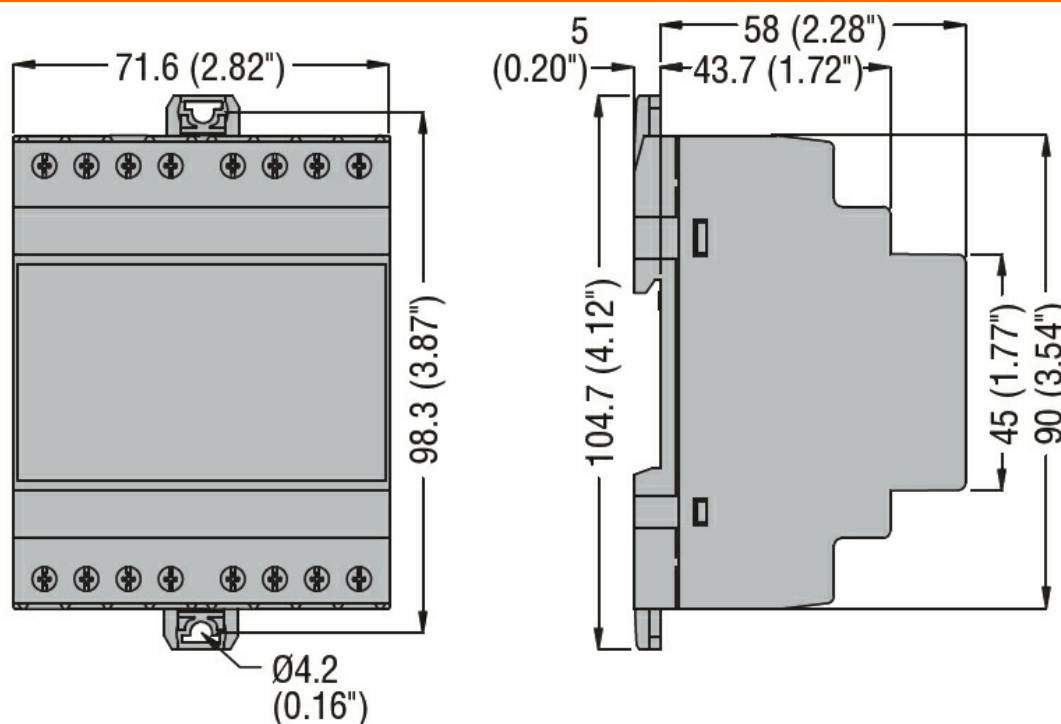
Type of communication port	M-bus
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Mechanical features

Housing type	Polyamide		
Terminals type	Fixed		
Conductor cross section	min	mm ²	0.2

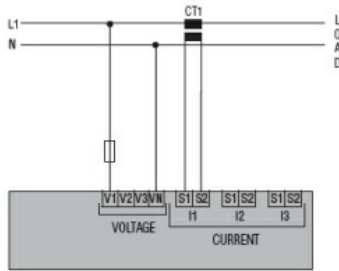
		Max	mm ²	4 for supply voltage measurement; 2.5 for current measurement
		min	AWG	24
		Max	AWG	12
Tightening torque (Max)				
			Nm	0.8
			lbin	7
Fixing				
				Din rail
Weight				
			g	332
Ambient conditions				
Temperature				
	Operating temperature	min	°C	-25
		max	°C	+55
	Storage temperature	min	°C	-25
		max	°C	+70
Relative humidity				
			%	<80
Max altitude				
			m	2000
Maximum Pollution degree				
				2
Overvoltage category				
				III
Protection degree				
				IP40 (Front)
Mechanical environment				
				Class M1
Magnetic environment				
				Class E2

Dimensions

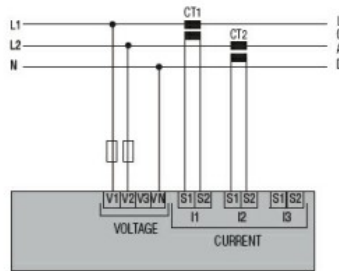


Wiring diagrams

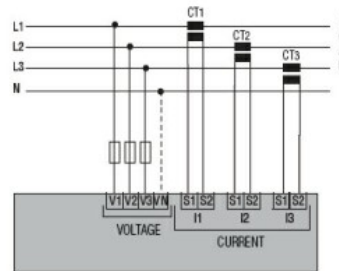
Single-phase



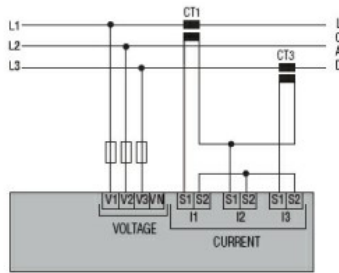
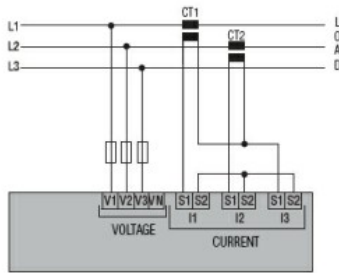
Two-phase



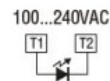
Three-phase with or without neutral



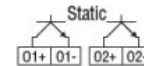
Three-phase without neutral in ARON connection



Tariff input



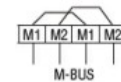
Pulse output 30VDC 50mA for DME D305 T2



RS485 for DME D330



M-Bus for DME D332



Certifications and compliance

Compliance

EN50470-1

EN50470-3

TR 50579

Certificates

EAC

MID (moduli B + D)

RCM

ETIM classification

ETIM 8.0

EC001506 -
Kilowatt-hour
meter