



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	2.5
Power dissipation Max		W	1

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

Output characteristics

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

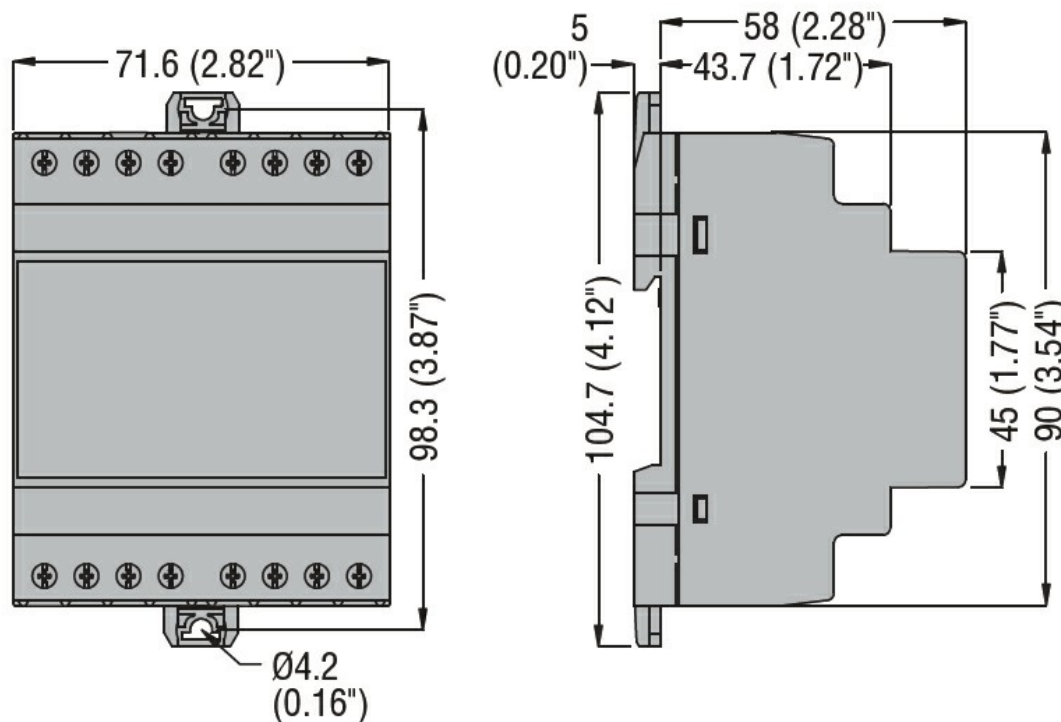
Insulations

Rated insulation voltage U_i IEC/EN	V	250
Rated impulse withstand voltage U_{imp}	kV	6
Operating frequency withstand voltage	kV	4

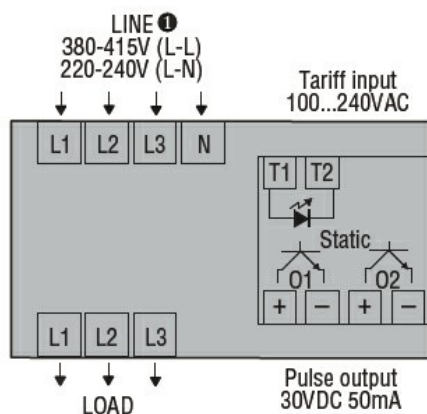
Mechanical features

Housing type	Polyamide		
Terminals type	Fixed		
Conductor cross section			
	min	mm 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 +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



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