



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 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

Functions

Type of communication port M-bus

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)

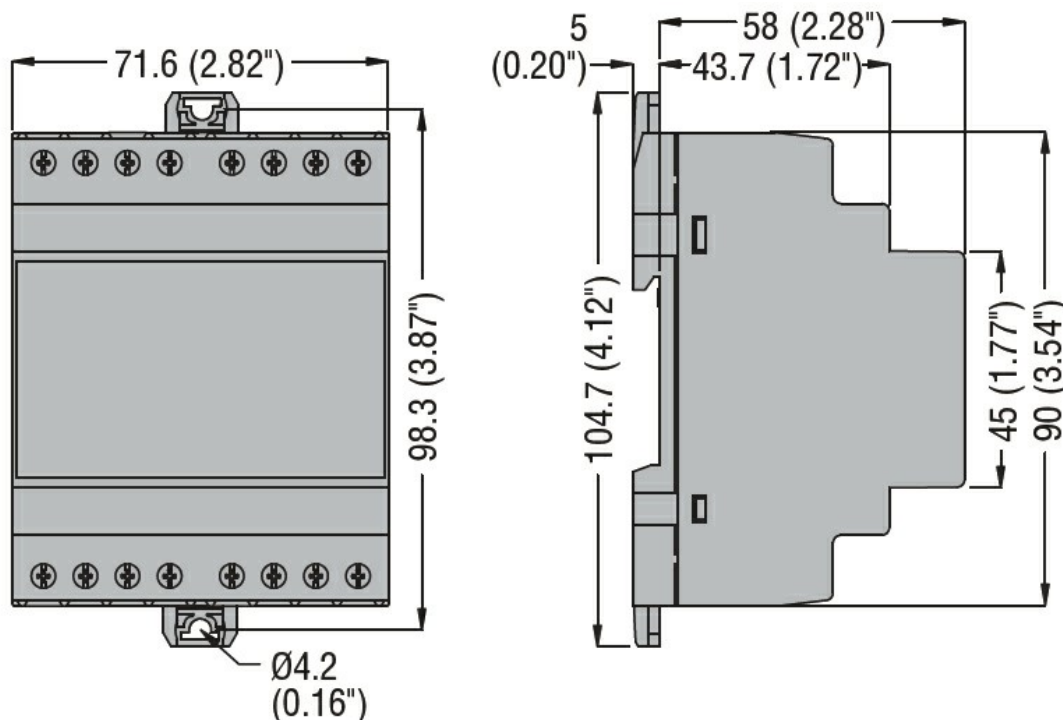
Mechanical environment

Class M1

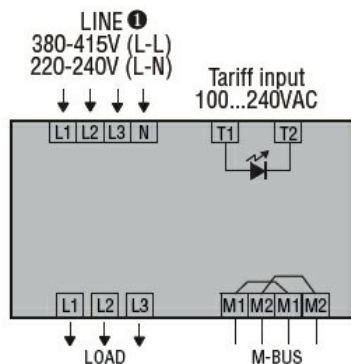
Magnetic environment

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