



Auxiliary supply Us

Auxiliary rated supply voltage AC	VAC	100...440
Auxiliary rated supply voltage DC	VDC	120...250
Auxiliary operating voltage range		
AC	min	VAC 90
	Max	VAC 484
DC	min	VDC 93.5
	Max	VDC 300
Operational frequency	min	Hz 45
	max	Hz 66
Power consumption	Max	VA 9.5
Power dissipation Max	W	3.5

Measuring voltage inputs

Rated voltage (Ue)	phase-phase	VAC	600
	phase-neutral	VAC	300
Operating voltage range	phase-phase	VAC	50...720
	phase-neutral	VAC	30...360
Voltage inputs operational frequency	min	Hz	45
	max	Hz	66
Voltage inputs measurement method			True RMS
Connection method			Single. two. three-phase with or without neutral. balanced three-phase system

Current inputs

Rated current (Ie)	A	1A/5A
Measurement range		0.025...6A
Measurement method		TRMS
Overload capacity		+20% Ie by external CT with 5A secondary
Overload peak	A	50A for 1s

Accuracy

VLN voltage	±0.5%
VLL voltage	±0.5%
Current	±0.5%
Frequency	±0.05%
Active power	±0.5%

Active energy	Class 1 (IEC/EN 62053-21)
Reactive energy	Class 2 (IEC/EN 62053-23)

Insulations

Rated insulation voltage Ui IEC/EN	V	600
Rated impulse withstand voltage Uimp	kV	9.5
Operating frequency withstand voltage	kV	5.2

Functions

Harmonic analysis	15th order
PLC logic	No
Type of communication port	No
Ethernet-RS485 gateway function	No

Mechanical features

Housing type				Polyamide
Terminals type				Removable
Conductor cross section				
	min	mm ²	0.2	
	Max	mm ²	2.5	
	min	AWG	24	
	Max	AWG	12	

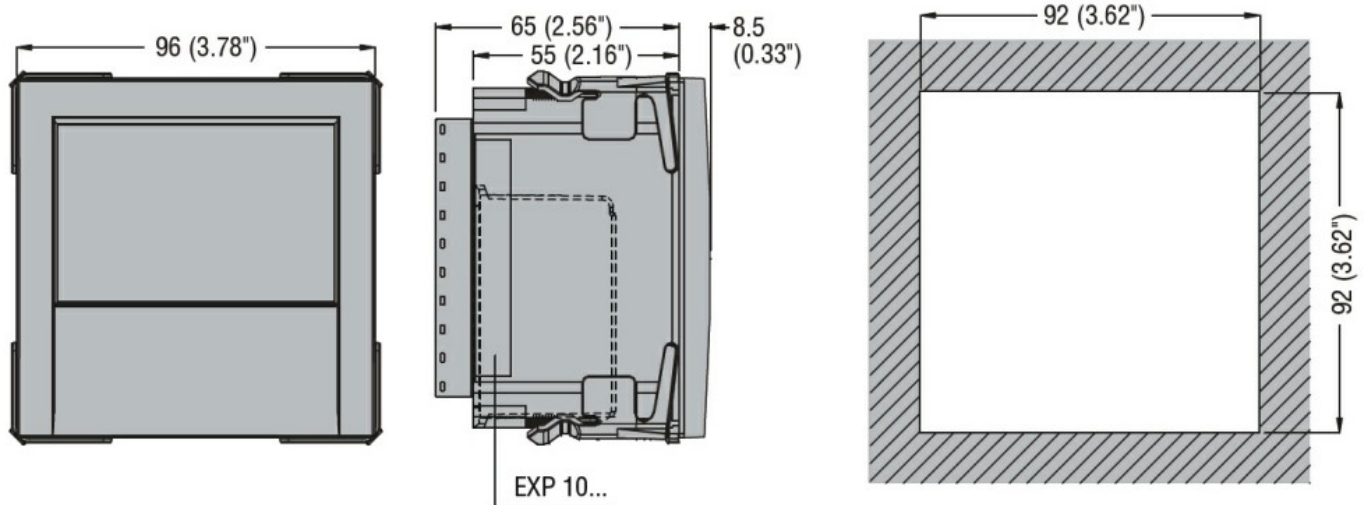
Tightening torque (Max)	Nm	0.5
	lbin	4.5

Fixing	Flush-mounting
Weight	g 300

Ambient conditions

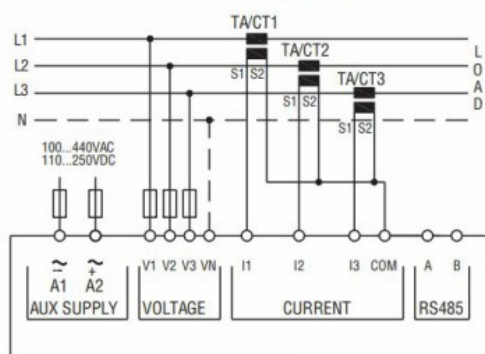
Temperature			
Operating temperature			
	min	°C	-20
	max	°C	+60
Storage temperature			
	min	°C	-30
	max	°C	+80
Relative humidity	%	<90	
Maximum Pollution degree		2	
Protection degree		IP54 on front - IP20 terminals	

Dimensions

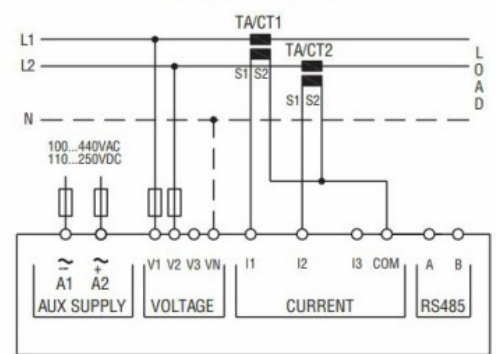


Wiring diagrams

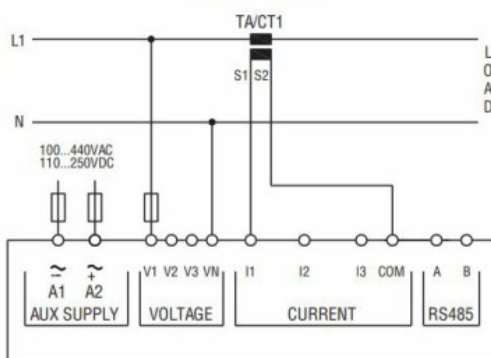
3-phase connection with or without neutral
P01.07 = L1-L2-L3-N L1-L2-L3



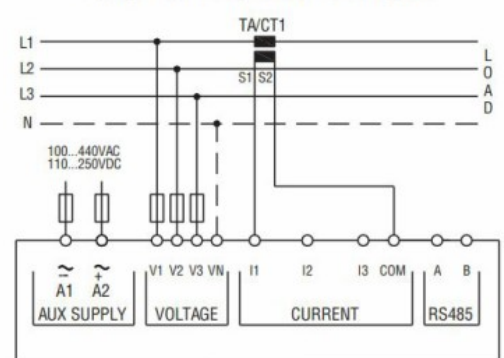
2-phase connection
P01.07 = L1-N-L2



Single-phase connection
P01.07 = L1-N



Balanced 3-phase connection with or without neutral
P01.07 = L1-L2-L3-N-BIL L1-L2-L3-BIL



Certifications and compliance

Compliance

CSA 22.2 n°61010-1
IEC/EN 61000-6-2
IEC/EN 61000-6-3
IEC/EN 61010-1
IEC/EN 61010-2-030
UL61010-1

Certificates

cULus
EAC
GOST

RCM

ETIM classification

ETIM 8.0

EC002301 -
Multifunction
measuring
instrument