



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)

RS485 serial interface

Baud rate	bps	Programmable 1200...115200
-----------	-----	-------------------------------

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	RS485
Ethernet-RS485 gateway function	No

Mechanical features

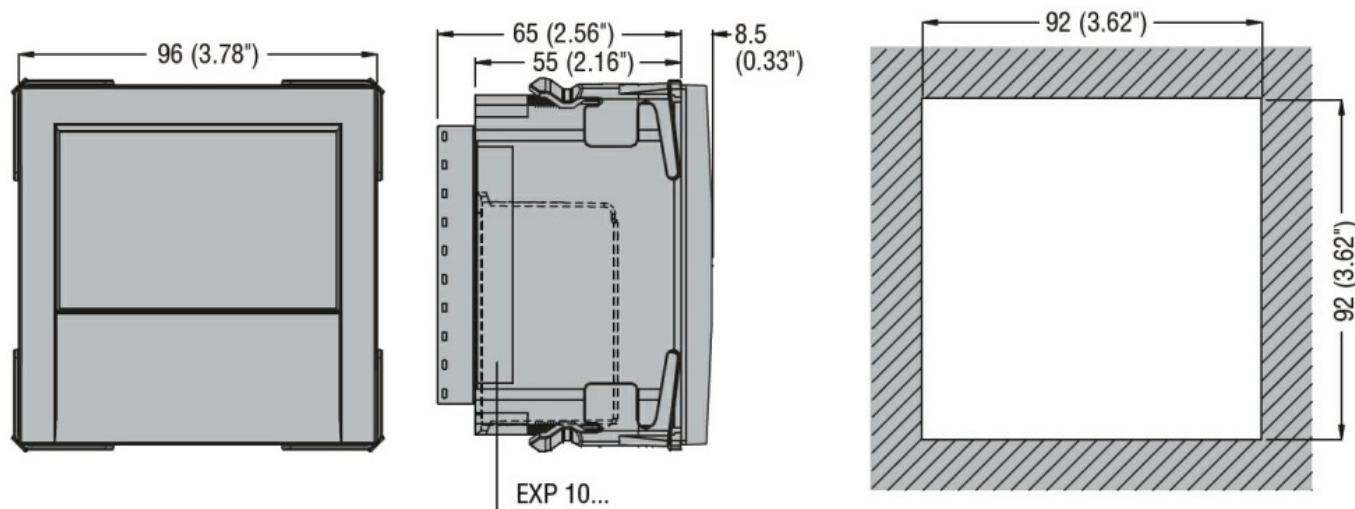
Housing type				Polyamide
Terminals type				Removable
Conductor cross section				
	min	mm²	0.2	
	Max	mm²	2.5	
	min	AWG	24	
	Max	AWG	12	

Tightening torque (Max)	Nm	0.5
	lbin	4.5
Fixing		Flush-mounting
Weight	g	350

Ambient conditions

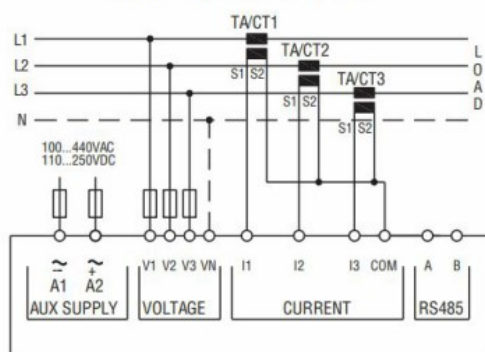
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
		min	°C	-30
		max	°C	+80
Relative humidity			%	<90
Maximum Pollution degree				2
Protection degree				IP54 on front - IP20 terminals

Dimensions

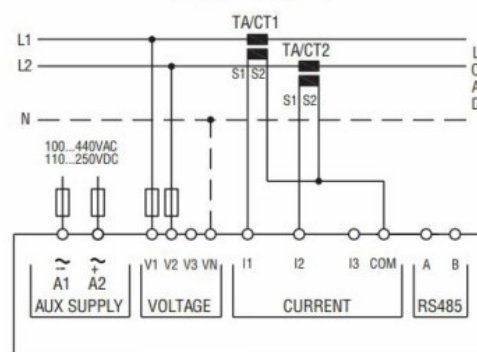


Wiring diagrams

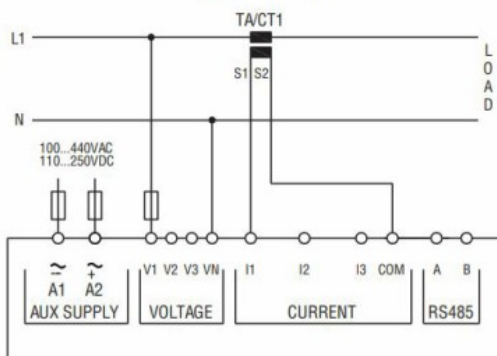
3-phase connection with or without neutral
P01.07 = L1-L2-L3-N L1-L2-L3



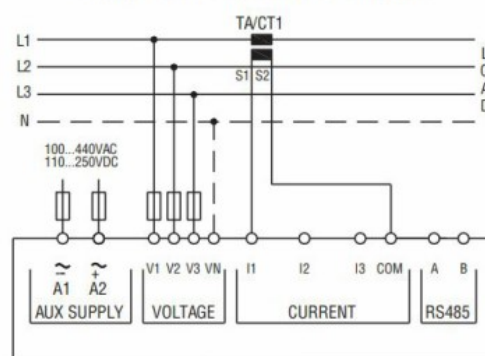
2-phase connection
P01.07 = L1-N-L2



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