



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			
Reference standards			IEC/EN/BS 61557-12
	VLN voltage		Class 0.2 (100-480V)

FLUSH-MOUNT LCD MULTIMETER, EXPANDABLE. HIGH ACCURACY MEASURING OF ACTIVE ENERGY WITH CLASS 0.5S. BACKLIGHT ICON LCD, 72X46MM/2.8X1.8", HARMONIC ANALYSIS, AUXILIARY SUPPLY 100-440VAC/120-250VDC, FRONT OPTICAL PORT AND ETHERNET PORT

VLL voltage	Class 0.2 (177-830V)
Current	Class 0.2 (In 5A)
Frequency	Class 0.02
Active power	Class 0.5
Reactive power	Class 1
	Class 0.5
Active energy	Class 0.5s (IEC/EN 62053-22)
	Class 1
Reactive energy	Class 2 (IEC/EN 62053-23)
Voltage THD	Class 5
	50Hz: Class 5
	60Hz: Class 5 -
Current THD	60Hz: Class 5 up to 10th order (200% f)

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	Ethernet
Ethernet-RS485 gateway function	No

Mechanical features

Housing type	Plyamide
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 350

Ambient conditions

Temperature

Operating temperature

min	°C	-20
max	°C	+60

Storage temperature

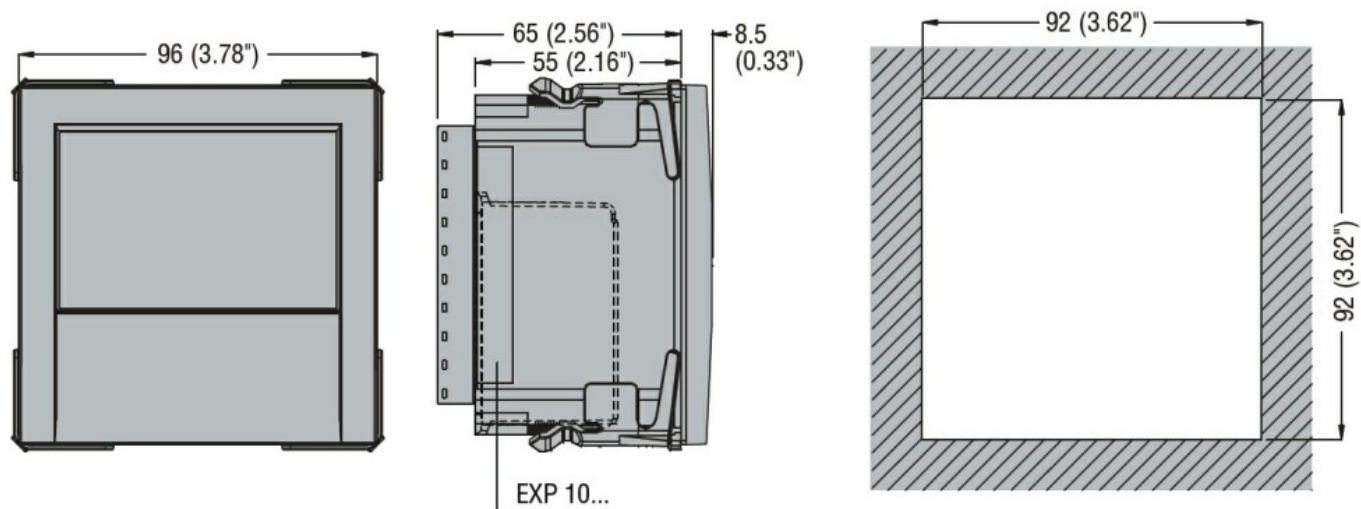
min	°C	-30
max	°C	+80

Relative humidity	%	<90
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Maximum Pollution degree	2
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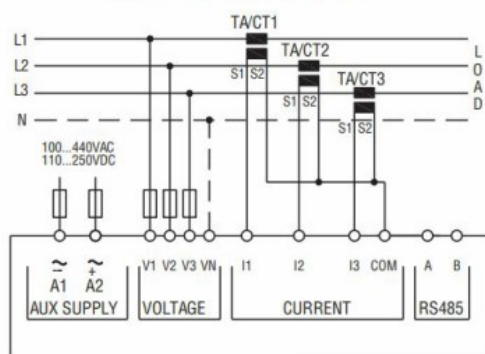
Protection degree	IP54 on front - IP20 terminals
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Dimensions

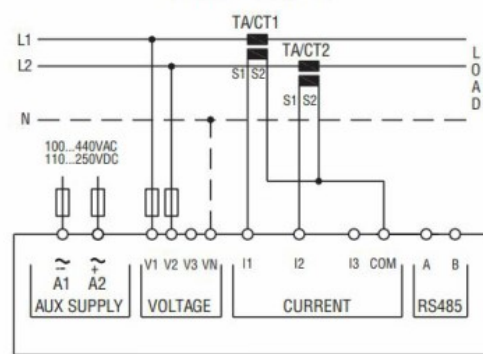


Wiring diagrams

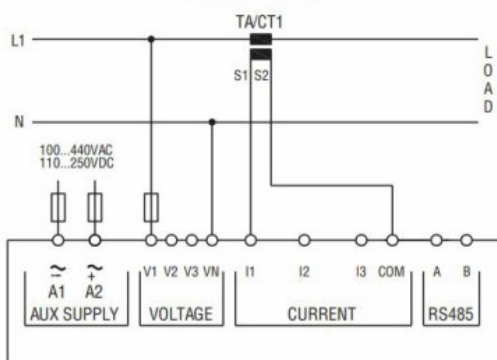
3-phase connection whit or without neutral
P01.07 = L1-L2-L3-N L1-L2-L3



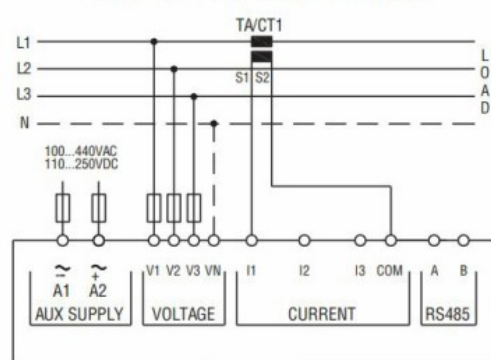
2-phase connection
P01.07 = L1-N-L2



Single-phase connection
P01.07 = L1-N



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



Certifications and compliance

Compliance

IEC/EN 61000-6-2
IEC/EN 61000-6-3
IEC/EN 61010-1
IEC/EN 61010-2-030

Certificates

EAC
RCM

ETIM classification

ETIM 8.0

EC002301 -
Multifunction
measuring
instrument