



Auxiliary supply Us

Auxiliary rated supply voltage AC	VAC	100...240
Auxiliary rated supply voltage DC	VDC	110...250
Auxiliary operating voltage range		
AC	min	VAC 85
	Max	VAC 264
DC	min	VDC 93.5
	Max	VDC 300
Operational frequency	min	Hz 45
	max	Hz 66
Power consumption	Max	VA 3.2
Power dissipation Max	W	1.3

Measuring voltage inputs

Rated voltage (Ue)	phase-phase	VAC	600
	phase-neutral	VAC	400
Operating voltage range	phase-phase	VAC	20...830
	phase-neutral	VAC	10...480
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 systems

Current inputs

Rated current (Ie)	A	1 / 5
Measurement range		0.01...1.2 / 0.01...6
Measurement method		TRMS
Overload capacity		+20% Ie through external CT with 5A secondary
Overload peak	A	50A for 1s

Accuracy

VLN voltage	±0.2%
VLL voltage	±0.2%
Current	±0.2%
Frequency	±0.05%

Active power	±0.5%
Active energy	Class 0.5s (IEC/EN 62053-22)
Reactive energy	Class 2 (IEC/EN 62053-23)

Insulations

Rated insulation voltage Ui IEC/EN	V	690
Rated impulse withstand voltage Uimp	kV	9.5
Operating frequency withstand voltage	kV	5.2

Functions

Harmonic analysis	63rd order
PLC logic	Yes
Type of communication port	RS485
Ethernet-RS485 gateway function	Yes

Mechanical features

Housing type			Polyamide
Terminals type			Fixed
Conductor cross section			
	min	mm²	0.2
	Max	mm²	4
	min	AWG	24
	Max	AWG	12

Tightening torque (Max)		
	Nm	0.8
	lbin	7

Fixing	Din rail
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Weight	g	320
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Ambient conditions

Temperature				
Operating temperature		min	°C	-20
		max	°C	+60
Storage temperature		min	°C	-30
		max	°C	+80

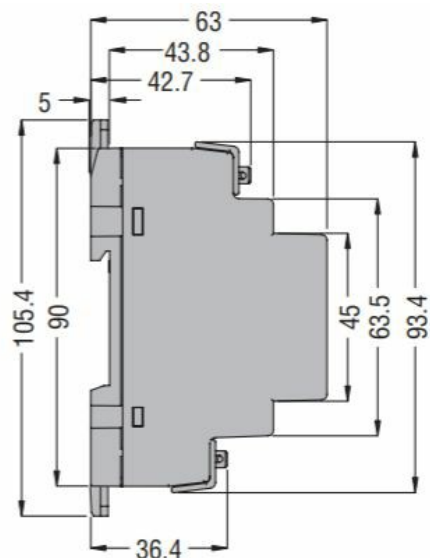
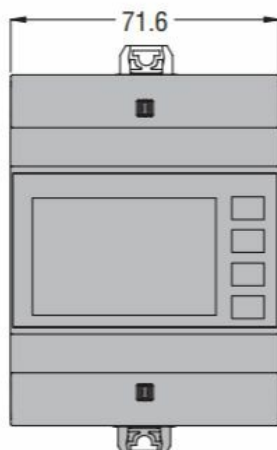
Relative humidity	%	<90
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Maximum Pollution degree	2
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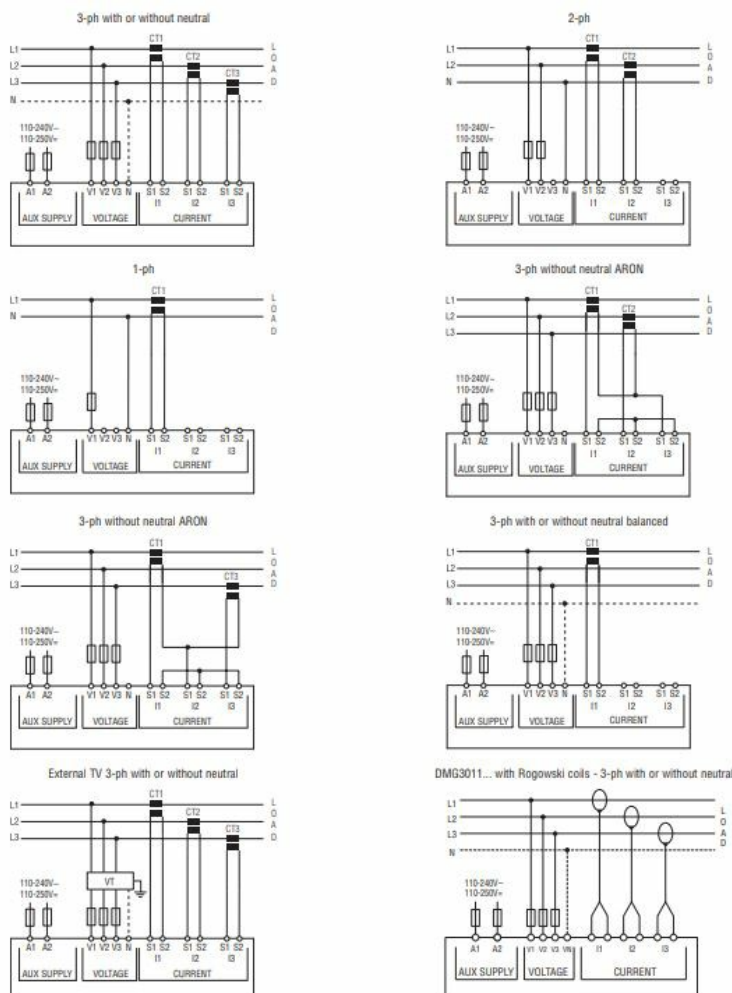
Protection degree	IP30
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Dimensions

POWER ANALYZER WITH COLOUR LCD DISPLAY. AUXILIARY SUPPLY 100...240VAC.
EXPANDABLE WITH 3 EXM... MODULES, BUILT-IN RS485 PORT, COMPATIBLE WITH EASY
BRANCH POWER MONITORING SYSTEM



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 61000-6-2

IEC/EN/BS 61000-6-4

IEC/EN/BS 61010-1

ETIM classification

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ETIM 8.0

EC002301 -
Multifunction
measuring
instrument