



Flush-mount LCD multimeters. expandable DMG611 Three-phase + neutral

Product designation

Product type designation

Type

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
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Power dissipation Max

W	3.5
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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
Single. two.
three-phase with
or without neutral.
balanced three-
phase system

Connection method

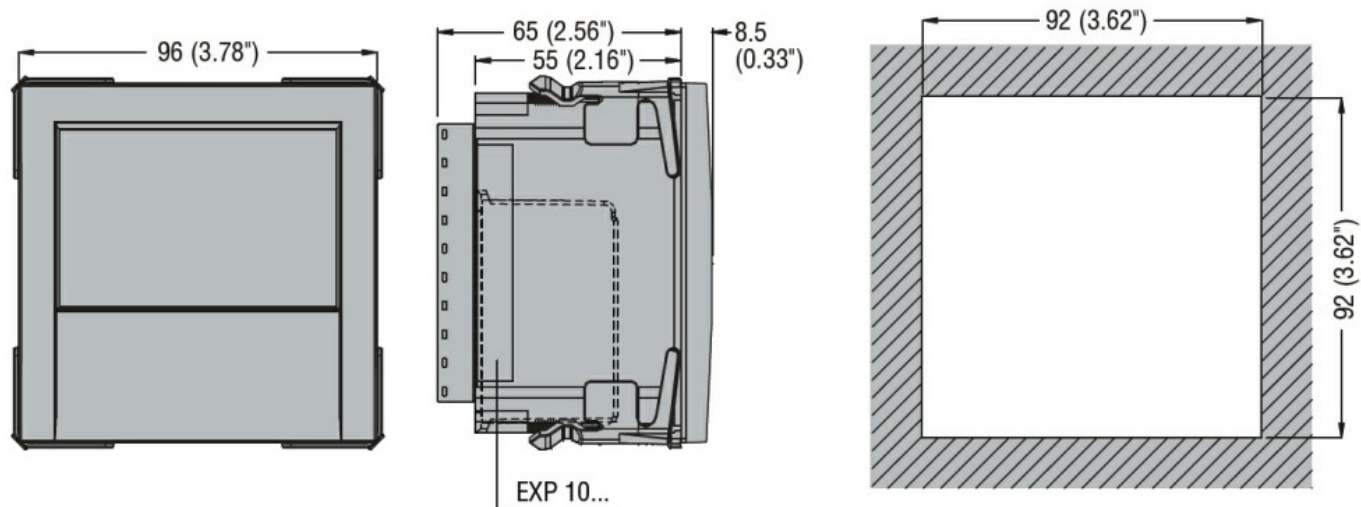
Current inputs

Rated current (Ie)	A	1A/5A
Current reading through Rogowski coils	A	20...6300
Measurement range		0.025...6A
Measurement method		TRMS
Overload capacity		+20% Ie by external CT with 5A secondary

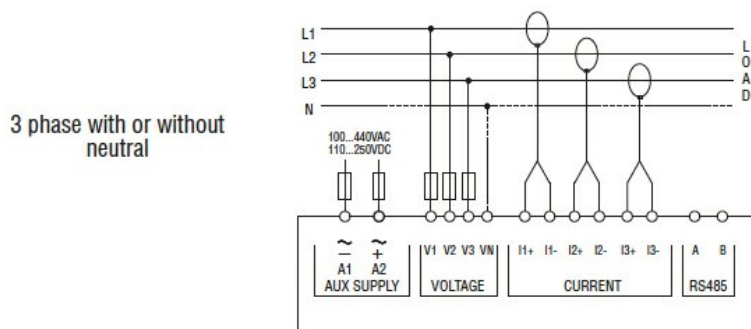
FLUSH-MOUNT LCD MULTIMETER, EXPANDABLE, BACKLIGHT ICON LCD DISPLAY, 72X46MM/2.8X1.8", AUXILIARY SUPPLY 100-440VAC/120-250VDC, FRONT OPTICAL PORT AND RS485 PORTS. CURRENT READING THROUGH 3 ROGOWSKI COILS INCLUDED, MAX CURRENT 500A

Overload peak	A	50A for 1s
Current		
IEC maximum (Imax)	A	500
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		RS485
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	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		IP40 on front - IP20 terminals
Dimensions		

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Wiring diagrams



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

ETIM classification

ETIM 8.0

EC002301 -
Multifunction
measuring
instrument