DMG611R0100

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 100A, Ø50MM AND CABLE LENGHT 2M



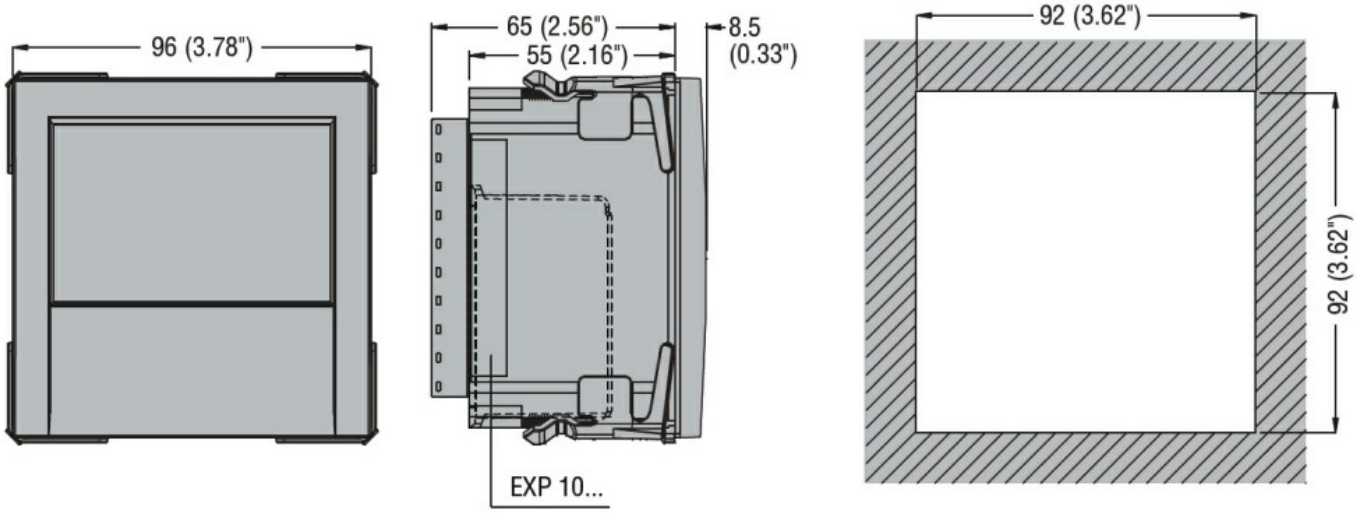
Auxiliary supply Us				
Auxiliary rated supply voltage AC			VAC	100…440
Auxiliary rated supply voltage DC			VDC	120…250
Auxiliary operating voltage range				
	AC			
		min	VAC	90
		Max	VAC	484
	DC			
		min	VDC	93.5
		Max	VDC	300
Operational frequency				
		min	Hz	45
		max	Hz	66
Power consumption				
		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
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
Overload peak			A	50A for 1s
Current				
IEC maximum (Imax)			A	100
Accuracy				
		VLN voltage		±0.5%
		VLL voltage		±0.5%

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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)

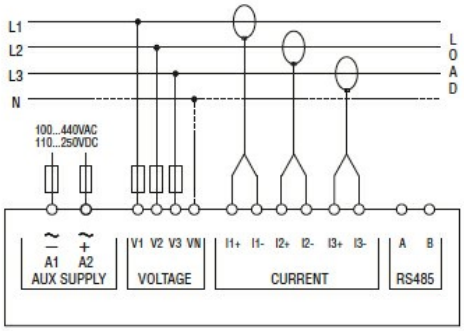
Insulations				
Rated insulation voltage Ui IEC/EN			V	600
Rated impulse withstand voltage Uimp			kV	9.5
Operating frequency withstand voltage			kV	5.2
Functions				
Harmonic analysis				15th order
PLC logic				No
Type of communication port				RS485
Ethernet-RS485 gateway function				No
Mechanical features				
Housing type				Polyamide
Terminals type				Removable
Conductor cross section				
		min	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				

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Wiring diagrams

3 phase with or without neutral



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

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