

FLUSH-MOUNT LCD MULTIMETER, EXPANDABLE, BACKLIGHT ICON LCD DISPLAY, 72X46MM/2.8X1.8", AUXILIARY SUPPLY 100-440VAC/120-250VDC, FRONT OPTICAL PORT AND RS485 PORT



Product designation Product type designation Type			Flush-mount LCD multimeters. expandable DMG610 Three-phase + neutral
Auxiliary supply Us			
Auxiliary rated supply voltage AC		VAC	100440
Auxiliary rated supply voltage DC		VDC	120250
Auxiliary operating voltage range			
AC	_		
	min	VAC	90
	/lax	VAC	484
DC			
	min	VDC	93.5
	/lax	VDC	300
Operational frequency	_		
	min	Hz	45
	nax	Hz	66
Power consumption	_		
	/lax	VA	9.5
Power dissipation Max		W	3.5
Measuring voltage inputs			
Rated voltage (Ue)			
phase-pha		VAC	600
phase-neu	tral	VAC	300
Operating voltage range			
phase-pha		VAC	50720
phase-neu	tral	VAC	30360
Voltage inputs operational frequency			
	min	Hz	45
	nax	Hz	66
Voltage inputs measurement method			True RMS
Connection method			Single. two. three-phase with or without neutral. balanced three-
			phase system
Current inputs			priase system
Rated current (le)		Α	1A/5A
Measurement range		/ \	0.0256A
Measurement method			TRMS
			+20% le by
Overload capacity			external CT with
1 7			5A secondary
Overload peak		Α	50A for 1s

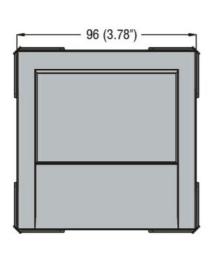


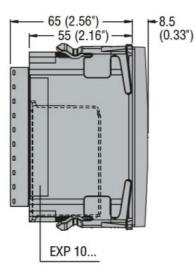
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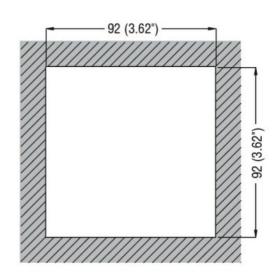
Accuracy			
Accuracy	VLN voltage		±0.5%
	VLL voltage		±0.5%
	Current		±0.5%
	Frequency		±0.05%
	Active power		±0.5%
	Active power		Class 1 (IEC/EN
	Active energy		62053-21)
	Reactive energy		Class 2 (IEC/EN 62053-23)
RS485 serial interface			
Baud rate		bps	Programmable 1200115200
Insulations			
Rated 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			
- 1,	min	°C	-20
	max	°C	+60
Storage temperature			
2-3-35 top.s.s.s.	min	°C	-30
	max	°C	+80
Relative humidity	····	%	<90
Maximum Pollution degree		,,,	2
Protection degree			IP54
Dimensions			11 07



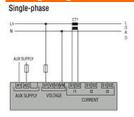
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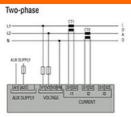


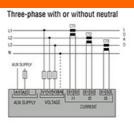




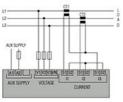
Wiring diagrams

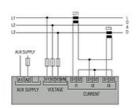


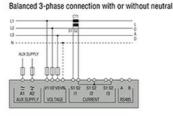




Three-phase without neutral in ARON connection







CODE	AUX SUPPLY
DMG100-110-200-210-300	100240VAC 110250VDC
DMG6	100440VAC 110250VDC
DMG7000-7500-8000-9000	100240VAC 110250VDC

RS485 for D DMG210	MG110 a
TR A B SG	
RS485	

RS	3485 fo	r DMG6	1
A	8		
90	105		

RS485 for DMG7500 and DMG9000

Certifications and compliance

Compliance

CSA 22.2 n°61010-1	
IEC/EN 64000 6 3	Ī

IEC/EIN	Οı	000-	0-2
IEC/EN	61	റററ.	.6 <u>-</u> 3

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IEC/EN 61010-2-030

UL61010-1

Certificates

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GOST

RCM

ETIM classification





ETIM 8.0

EC002301 -Multifunction measuring instrument

AND RS485 PORT

DMG610