BACKLIGHT ICON LCD, 72X46MMM/2.8X1.8", AUXILIARY SUPPLY 100-440VAC/120-250VDC, FRONT OPTICAL PSAUT AND RS485 PSAUT



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
	Max	VAC	484
DC			
	min	VDC	93.5
	Max	VDC	300
Operational frequency			
	min	Hz	45
r	nax	Hz	66
Power consumption			
	Max	VA	9.5
Power dissipation Max		W	3.5
Measuring voltage inputs			
Rated voltage (Ue)			
phase-ph	ase	VAC	600
phase-neu		VAC	300
Operating voltage range			
phase-ph	2SE	VAC	50720
phase-neu		VAC	30360
Voltage inputs operational frequency	tiai	V/10	
	min	Hz	45
	nax	Hz	66
Voltage inputs measurement method	Ιαλ	1 12	True RMS
voltage inputs measurement method			-
			Single. two. three-phase with
Connection method			or without neutral.
Connection method			balanced three-
			phase system
Current inputs			priore eyeren
Rated current (le)		Α	1A/5A
Measurement range			0.0256A
Measurement method			TRMS
			+20% le by
Overload capacity			external CT with
- · · · · · · · · · · · · · · · · · · ·			5A secondary
Overload peak		Α	50A for 1s
=			20

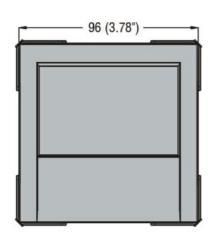
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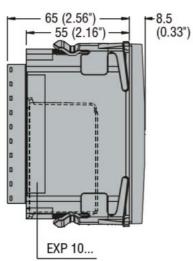
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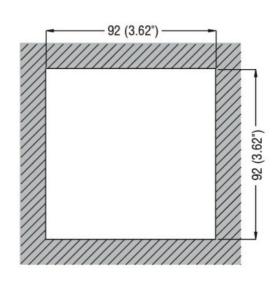
VLN voltage	Accuracy			
NLL vollage		VLN voltage		±0.5%
Current Frequency		_		
Frequency		•		
Active power				
Active energy				
Reactive energy		•		
Reactive emergence February		Active energy		
Programmable Paud rate P		Reactive energy		Class 2 (IEC/EN
Baud rate bps Programmable 1200115200 Insulations Rated insulation voltage Ui IEC/EN V 600 Rated injudies withstand voltage Uimp kV 9.5 Operating frequency withstand voltage kV 5.2 Functions Formation analysis 15th order PLC logic No No Type of communication port S RS485 Ethernet-RS485 gateway function No No Mechanical features Polyamide Polyamide Terminals type Removable Removable Conductor cross section min Max min 0.2 No 120 120 No 120 No 120 120	RS485 serial interface			02033-23)
Table Tab			bps	
Rated insulation voltage Ui IEC/EN V 600 Rated impulse withstand voltage Uimp kV 9.5 Operating frequency withstand voltage kV 5.2 Functions			-,-	1200115200
Rated impulse withstand voltage Uimp kV 9.5 Operating frequency withstand voltage kV 5.2 Functions			V	600
Operating frequency withstand voltage kV 5.2 Functions 15th order Harmonic analysis No PLC logic No RS485 Ethernet-RS485 gateway function No Mechanical features Polyamide Housing type Removable Conductor cross section min mm² 0.2 Max mm² 0.2 Max min AWG 24 Conductor cross section min AWG 24 AWG 12 Tightening torque (Max) Nm 0.5 In 4.5 Fixing Flush-mounting Flush-mounting Properative				
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 12 Tightening torque (Max) min AWG 12 1 Tightening torque (Max) prin 0.5 1 <				
Harmonic analysis			K V	J.2
No Type of communication port RS485 Ethernet-RS485 gateway function No Mechanical features Polyamide Housing type Polyamide Terminals type Removable Conductor cross section min mm² 0.2 Max mm² 2.5 2.5 Min AWG 24 4W 2.2 Max AWG 12 12 Tightening torque (Max) Nm 0.5 Ibin 4.5 15 Fixing Fiush-mounting Weight g 350 Ambient conditions Finant of C -20 Temperature min °C -20 Storage temperature min °C -30 Storage temperature min °C -30 Relative humidity % <90				15th order
Type of communication port RS485 Ethernet-RS485 gateway function No Mechanical features Housing type Polyamide Terminals type Removable Conductor cross section min mm² o.2 m		_		
Ethernet-RS485 gateway function No Mechanical features Polyamide Housing type Removable Conductor cross section min mm² mm² dua mm² dwa mwa mwa mwa mwa mwa mwa mwa mwa mwa m				
Mechanical features Housing type Polyamide Terminals type Removable Conductor cross section min min mm² 0.2 max 2.5 min AWG 24 max AWG 12 Max max 4WG 12 12 Tightening torque (Max) Nm 0.5 max 4.5 min 4.5 Fixing Flush-mounting Weight g 350 Ambient conditions Flush-mounting Temperature min °C -20 max °C +60 Storage temperature min °C -30 max °C +80 Relative humidity % <90				
Housing type Polyamide Terminals type Removable Conductor cross section min mm² 0.2 max 2.5 min AWG 24 min name AWG 12 Max min min mm² 0.5 min name AWG 12 12 Tightening torque (Max) Nm 0.5 min name 0.5 min nam	<u> </u>			140
Terminals type Removable Conductor cross section min mm² mm² 0.2 mm² 2.5 min AWG 24 mm² 2.5 min AWG 12 Tightening torque (Max) Nm 0.5 min 4.5 Fixing Flush-mounting Weight g 350 Ambient conditions Flush-mounting Temperature min °C -20 max °C +60 Storage temperature min °C -30 max °C +80 Relative humidity % <90				Polyamide
Conductor cross section				•
Max mm² 0.2 Max mm² 2.5 min AWG 24 Max AWG 12	·			romovable
Fixing Max mm² AWG AWG 12 12 Fixing Nm Ibin 4.5 0.5 Ibin 4.5 Fixing Flush-mounting 350 Weight g 350 Ambient conditions Fremperature Permain conditions Temperature Storage temperature min °C 200 max °C 460 Storage temperature min °C 300 max °C 480 Relative humidity % 490 Maximum Pollution degree 1P54	Conductor cross section	min	mm²	0.2
min Max AWG 24 Max AWG 12 Tightening torque (Max) Nm 0.5 Mm 0.5 M				
Max AWG 12 Tightening torque (Max) Nm 0.5				
Tightening torque (Max)				
Nm 0.5	Tightening torque (Max)	TVICAX	7,,,,,	
Bin 4.5	riginolining torquo (maxi)		Nm	0.5
Fixing Flush-mounting Weight g 350 Ambient conditions Temperature min °C -20 max °C +60 Storage temperature min °C -30 max °C +80 Relative humidity % <90				
Weight g 350 Ambient conditions 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	Fixing			
Ambient conditions Temperature Operating temperature min °C -20 max °C +60 Storage temperature min °C -30 max °C +80 Relative humidity % <90			a	
Operating temperature				
Operating temperature min °C -20 max °C +60 Storage temperature min °C -30 max °C +80 Relative humidity % <90				
min °C -20 max °C +60	•			
max °C +60	1 0 1 2 2 2 2	min	°C	-20
Storage temperature min °C -30 max °C +80 Relative humidity % <90 Maximum Pollution degree 2 Protection degree IP54				
min max °C -30 max -30 max °C +80 Relative humidity % <90	Storage temperature			
Relative humidity % <90 Maximum Pollution degree 2 Protection degree IP54		min	°C	-30
Relative humidity % <90 Maximum Pollution degree 2 Protection degree IP54				
Maximum Pollution degree 2 Protection degree IP54	Relative humidity		%	
Protection degree IP54				



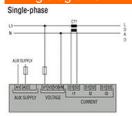
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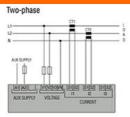


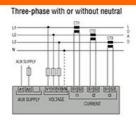




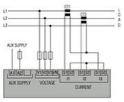
Wiring diagrams

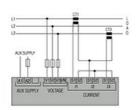


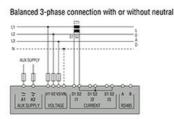




Three-phase without neutral in ARON connection







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

RS485 for DMG1 DMG210	10 and
TR A B SG RS485	

1	RS485 fo	or DMG61
[A 8	
	RS485	

RS485 for DMG7500 and DMG9000

Certifications and compliance

Compliance

CSA 22.2 n°61010-1	CSA	22.2	n°6	10	10-1	
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IEC/EN 61000-6-2

IEC/EN 61000-6-3

IEC/EN 61010-1

IEC/EN 61010-2-030

UL61010-1

Certificates

cULus

EAC

GOST

RCM

ETIM classification



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DMG610

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ETIM 8.0

EC002301 -Multifunction measuring instrument