DMG610

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			Flush-mount LCD multimeters. expandable
Product type designation			DMG610
Type			Three-phase + neutral
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
Measurement range			0.025…6A
Measurement method			TRMS
Overload capacity			+20% Ie by external CT with 5A secondary
Overload peak		A	50A for 1s

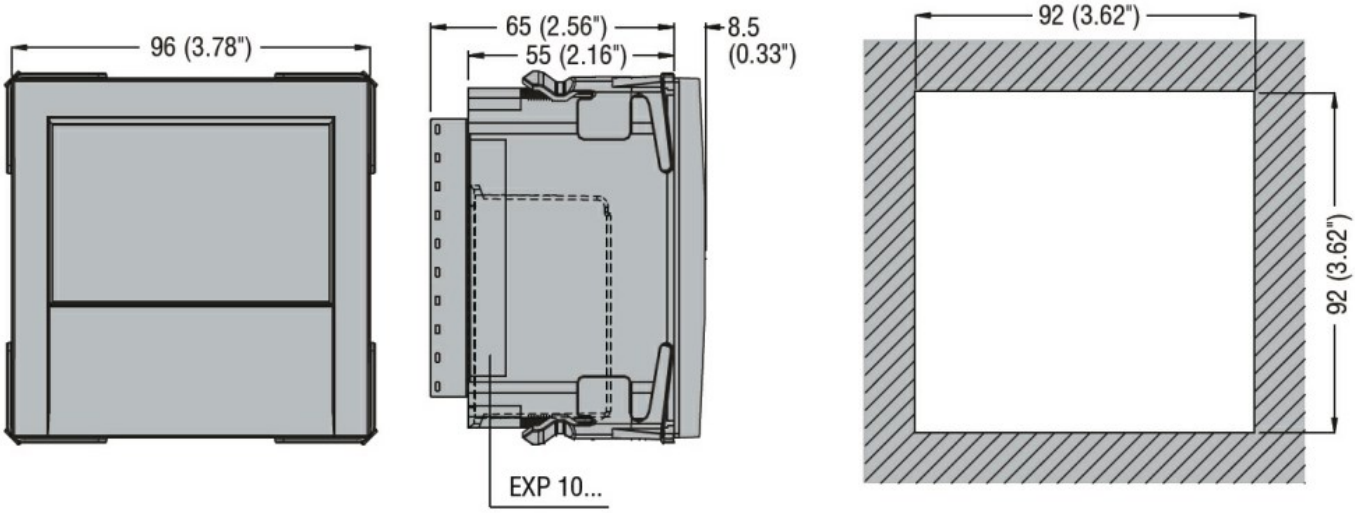
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

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)
RS485 serial interface			
Baud rate		bps	Programmable 1200…115200
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			

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

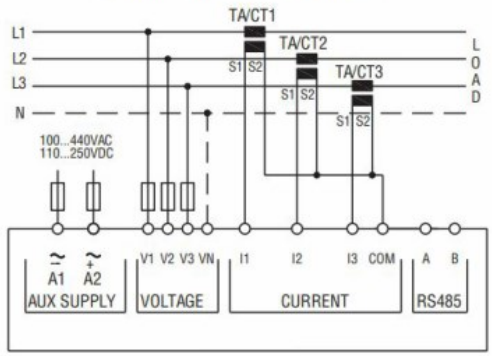
DMG610

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

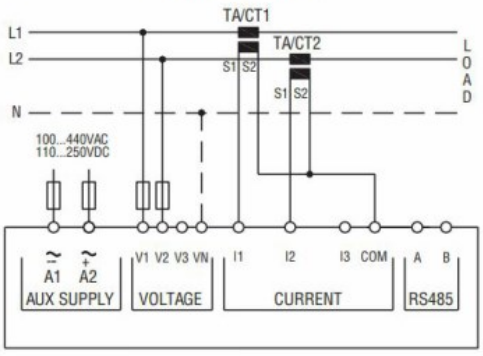


Wiring diagrams

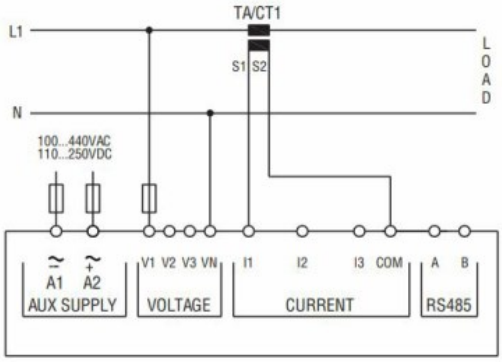
3-phase connection whit or without neutral
P01.07 = L1-L2-L3-N L1-L2-L3



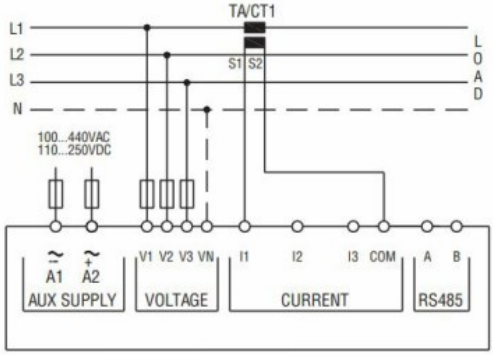
2-phase connection
P01.07 = L1-N-L2



Single-phase connection
P01.07 = L1-N



Balanced 3-phase connection whit or without neutral
P01.07 = L1-L2-L3-N-BIL L1-L2-L3-BIL



Certifications and compliance

Compliance

CSA 22.2 n°61010-1
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

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

RCM

ETIM classification

ETIM 8.0	EC002301 - Multifunction measuring instrument

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding