

Product designation				Flush-mount LCD
Product type designation				multimeters. expandable DMG900
Type				Three-phase + neutral
Auxiliary supply Us				
Auxiliary rated supply voltage AC		VAC	100...440	
Auxiliary rated supply voltage DC		VDC	110...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	3.9	
Power dissipation Max		W	3.4	
Measuring voltage inputs				
Rated voltage (Ue)				
	phase-phase	VAC	690	
	phase-neutral	VAC	400	
Operating voltage range				
	phase-phase	VAC	20...830	
	phase-neutral	VAC	10...480	
Voltage inputs operational frequency				
	min	Hz	45 and 360	
	max	Hz	66 and 440	
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				0.002...1.2 / 0.01...10
Measurement method				TRMS
Overload capacity				+20% Ie by external CT with 5A secondary
Overload peak		A	50A for 1s	
Accuracy				
Measurement conditions (T +23°C ±1°C / Rel. Humidity 45 ±15% R.H.)				
	VLN voltage			±0.2%
	VLL voltage			±0.2%
	current			±0.2%
	frequency			±0.05%
	active power			±0.5% f.s.

active energy	Class 0.5s (IEC/EN 62053-22)
reactive energy	Class 2 (IEC/EN 62053-23)

Insulations

Rated insulation voltage Ui IEC/EN	V	690
Rated impulse withstand voltage Uimp	kV	9.5
Operating frequency withstand voltage	kV	5.2

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	396

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	IP65	

Dimensions

Wiring diagrams

Certifications and compliance

Compliance	CSA C22.2 n°14
	IEC/EN 61000-6-2
	IEC/EN 61000-6-3
	UL508

Certificates	cULus
	EAC
	GOST
	RCM

ETIM classification

ETIM 8.0	EC002301 - Multifunction measuring instrument
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