

Product designation	Flush-mount LCD multimeters.		
Product type designation	expandable		
Type	DMG800		
	Three-phase + neutral		
Auxiliary supply Us			
Auxiliary rated supply voltage AC	VAC	100...440	
Auxiliary rated supply voltage DC	VDC	12...48	
Auxiliary operating voltage range			
AC	min	VAC	90
	Max	VAC	484
DC	min	VDC	9
	Max	VDC	70
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
	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	0.01...1.2 / 0.01...6		
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	510

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 61000-6-4
	IEC/EN 61010-1
	UL508

Certificates	cULus
	EAC
	GOST
	RCM

ETIM classification

ETIM 8.0	EC002301 - Multifunction measuring instrument
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