

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
	min	VDC	9
DC	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	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	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		