

Product designation	Modular LCD		
Product type designation	multimeters. non expandable		
Type	DMG210		
DIN rail module number	Three-phase + neutral		
	4		
<b>Auxiliary supply Us</b>			
Auxiliary rated supply voltage AC	VAC	100...240	
Auxiliary rated supply voltage DC	VDC	110...250	
Auxiliary operating voltage range			
AC	min	VAC	85
	Max	VAC	264
DC	min	VDC	93.5
	Max	VDC	300
Operational frequency	min	Hz	45
	max	Hz	66
Power consumption	Max	VA	4.5
Power dissipation Max		W	1.7
<b>Measuring voltage inputs</b>			
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 systems		
<b>Current inputs</b>			
Rated current (Ie)	A	5	
Measurement range	0.01...6		
Measurement method	TRMS		
Overload capacity	+20% Ie through external CT with 5A secondary		
Overload peak	A	50A for 1s	
<b>Accuracy</b>			
Measurement conditions (T +23°C ±1°C / Rel. Humidity 45 ±15% R.H.)	VLN voltage	±0.5%	
	VLL voltage	±0.5%	
	current	±0.5%	
	frequency	±0.05%	
	active power	±1%	

	active energy			Class 1 (IEC/EN 62053-21)
	reactive energy			Class 2 (IEC/EN 62053-23)
<b>RS485 serial interface</b>				
Baud rate		bps	Programmable 1200...38400	
<b>Insulations</b>				
Rated insulation voltage Ui IEC/EN		V	690	
Rated impulse withstand voltage Uimp		kV	9.5	
Operating frequency withstand voltage		kV	5.2	
<b>Mechanical features</b>				
Housing type				Polyamide
Terminals type				Fixed
Conductor cross section				
	min	mm <sup>2</sup>	0.2	
	Max	mm <sup>2</sup>	4	
	min	AWG	24	
	Max	AWG	12	
Tightening torque (Max)				
		Nm	0.8	
		lbin	7	
Fixing				DIN rail
Weight		g	300	
<b>Ambient conditions</b>				
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				IP30
<b>Dimensions</b>				
<b>Wiring diagrams</b>				
<b>Certifications and compliance</b>				
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			
<b>ETIM classification</b>				

ETIM 8.0

EC002301 -  
Multifunction  
measuring  
instrument