

Product designation	Modular LCD		
Product type designation	multimeters. non expandable		
Type	DMG110		
DIN rail module number	Three-phase + neutral		
	4		
Auxiliary supply Us			
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	3.5
Power dissipation Max		W	1.2
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 systems		
Current inputs			
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	
Accuracy			
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)
RS485 serial interface			
Baud rate		bps	Programmable 1200...38400
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			Fixed
Conductor cross section			
	min	mm ²	0.2
	Max	mm ²	4
	min	AWG	24
	Max	AWG	12
Tightening torque (Max)			
		Nm	0.8
		lbin	7
Fixing			DIN rail
Weight		g	294
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			IP30
Dimensions			
Wiring diagrams			
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		
	RCM		
ETIM classification			

ETIM 8.0

EC002301 -
Multifunction
measuring
instrument