



Product designation				Current transformer kit	
Product type designation				DMG100 and 3 CTs 100/5A	
Type				Three-phase + neutral	
DIN rail module number				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	50
			max	Hz	60
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
Primary current I _{pn} (/5)	A	100
Secondary output current	A	5
Overload withstand I _{pn}	%	120

Accuracy

VLN voltage	±0.5%
VLL voltage	±0.5%
Current	±0.5%
Frequency	±0.05%
Active power	±1%

Insulations

Rated insulation voltage U _i IEC/EN	V	720
Rated impulse withstand voltage U _{imp}	kV	9.5
Operating frequency withstand voltage	kV	5.2
IEC rated short-time thermal current I _{th}	I _{th} for s	40...60
IEC rated dynamic current I _{dyn}	I _{th} for s	2.5
Insulation dry type		Class E

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	1035

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

ETIM classification

ETIM 8.0		EC002301 - Multifunction measuring instrument
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