



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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