



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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