



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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