



Product designation				Current transformer kit
Product type designation				DMG100 and 3 CTS 200/5A
Type				Three-phase + neutral
<b>Auxiliary supply Us</b>				
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
<b>Measuring voltage inputs</b>				
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			
<b>Current inputs</b>				
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 <sub>pn</sub> (/5)	A	250
Secondary output current	A	5
Overload withstand I <sub>pn</sub>	%	120

**Accuracy**

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

**Insulations**

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

**Mechanical features**

Housing type		Polyamide
Terminals type		Fixed

Conductor cross section	min	mm <sup>2</sup>	0.2
	Max	mm <sup>2</sup>	4
	min	AWG	24
	Max	AWG	12

Tightening torque (Max)	Nm	0.8
	lbin	7

Fixing		Din rail
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Weight	g	856
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**Ambient conditions**

Temperature	Operating temperature	min	°C	-20
		max	°C	+60
	Storage temperature	min	°C	-30
		max	°C	+80

Relative humidity	%	<90
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Maximum Pollution degree		2
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Protection degree		IP30
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**ETIM classification**

ETIM 8.0		EC002301 - Multifunction measuring instrument
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