DMGKIT100100

COMPOSED OF ONE DMG100 MULTIMETER AND N° 3 CTS 100/5A FOR Ø22MM/0.87” CABLE

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

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Overload peak		A	50A for 1s
Primary current Ipn (/5)		A	100
Secondary output current		A	5
Overload withstand Ipn		%	120
Accuracy			
	VLN voltage		±0.5%
	VLL voltage		±0.5%
	Current		±0.5%
	Frequency		±0.05%
	Active power		±1%
Insulations			
Rated insulation voltage Ui IEC/EN		V	720
Rated impulse withstand voltage Uimp		kV	9.5
Operating frequency withstand voltage		kV	5.2
IEC rated short-time thermal current Ith		Ith for s	40…60
IEC rated dynamic current Idyn		Ith for s	2.5
Insulation dry type			Class E
Mechanical features			
Housing type			Polyamide
Terminals type			Fixed
Conductor cross section			
	min	mm²	0.2
	Max	mm²	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