



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 Ipn (/5)	A		250
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	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	856

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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