



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		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
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