



General characteristics		
Number of controlled power sources	Nr.	2
Display		Backlit LCD graphic display 128x80 pixel
Languages	Nr.	5
Expandability		No
DC Power supply		
Rated supply voltage DC	VDC	12-24
Operating supply voltage range DC	VDC	7.5...33
Current consumption Max	mA	230mA at 12VDC, 120mA at 24VDC
Maximum power consumption / dissipation	W	2.9
Voltage inputs		
Maximum rated voltage Ue		100...480VAC L- L (277VAC L-N)
Measurement range	V	50...576VAC L-L (333VAC L-N)
Frequency range	Hz	45...65
Measurement method		True root mean square (TRMS)
Input impedance	phase-phase phase-neutral	>1.0MΩ >0.5MΩ
Measuring accuracy		±0.25% f.s. ±1 digit
Wiring mode		Single-phase, two-phase, three- phase line with or without neutral and balanced three-phase system
Digital inputs		
Number of digital input	Nr.	6
Type of digital input		Negative
Digital current inputs	mA	<8
Low input signal	VDC	≤2.2
High input signal	VDC	≥3.4
Input signal delay	ms	≥50
Relay outputs		
Number of relay output	Nr.	7
Contact arrangement		6 x 1NO-SPST + 1 x C/O-SPDT
Electrical life	cycles	10 <sup>5</sup>

Mechanical life					cycles	10 <sup>7</sup>
<b>Interface</b>						
Front optical USB communication port						Yes, with CX01 USB dongle (optional)
Front optical Wi-Fi communication port						Yes, with CX02 Wi-Fi dongle (optional)
<b>Functions</b>						
Programmable source type						Single-phase, two-phase, three-phase with or without neutral
User alarms						Yes
Limits						Yes
Event logging						100
<b>Ambient conditions</b>						
Temperature						
	Operating temperature					
		min	°C			-30
		max	°C			+70
	Storage temperature					
		min	°C			-30
		max	°C			+80
Relative humidity					%	<80%
Maximum Pollution degree						2
Overvoltage category						3
Measurement category						III
Climatic sequence						Z/ABDM (IEC/EN 60068-2-61)
Shock resistance						15g (IEC/EN 60068-2-27)
Vibration resistance						0.7g (IEC/EN 60068-2-6)
<b>Housing</b>						
Execution						Flush mount
Material						Polycarbonate
Mounting						Flush mount - panel cut-out 138x138 mm
Degree of protection						IP40 on front, IP65 with optional gasket code EXP8001, IP20 on terminals
Dimensions (W x H x D)					mm	144 x 144 x 52.2mm
Weight					g	600
<b>Certifications and compliance</b>						
Compliance						IEC/EN 60947-1
						IEC/EN 60947-6-1
						IEC/EN 61000-6-2
						IEC/EN 61000-6-3
<b>Certificates</b>						

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ETIM classification

ETIM 8.0

EC000236 - PLC  
CPU-module