

Product designation	Automatic transfer switch controller for 2 power sources, three phase control, with LCD display, 110...240VAC supply ATL600		
Product type designation			
General characteristics			
Number of controlled power sources	Nr.	2	
Display		Backlit LCD graphic display 128x80 pixel	
Languages	Nr.	5	
Expandability		No	
AC Power supply			
Rated supply voltage AC	VAC	110...240	
Operating supply voltage range AC	VAC	90...264	
Rated frequency	Hz	50/60	
Operating frequency range	Hz	45...66	
Immunity time for microbreakings	110VAC	ms	≤50
	220VAC	ms	≤250
Power consumption AC (Max)	VA	9.5	
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	kΩ	>1.0MΩ
	phase-neutral	kΩ	>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			105	
Mechanical life	cycles			107	
Interface					
Front optical USB communication port				Yes, with CX01 USB dongle (optional)	
Front optical Wi-Fi communication port				Yes, with CX02 Wi-Fi dongle (optional)	
Functions					
Programmable source type				Single-phase, two-phase, three- phase with or without neutral	
User alarms				Yes	
Limits				Yes	
Event logging				100	
Ambient conditions					
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)
Housing					
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
Dimensions					
Wiring diagrams					
Certifications and compliance					

Compliance

CSA C22.2 n°14

IEC/EN 60947-1

IEC/EN 60947-6-1

IEC/EN 61000-6-2

IEC/EN 61000-6-3

UL508

Certificates

cULus

EAC

RCM

ETIM classification

ETIM 8.0

EC000236 - PLC  
CPU-module