ATL601

Automatic transfer switch controller with optical port for 2 power sources (144X144mm/5.7X5.7”), power supply 12...24VDC



Product designation			Automatic transfer switch controller for 2 power sources, three phase control, with LCD display, 12-24VDC supply
Product type designation			ATL601
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	kΩ	>1.0MΩ
	phase-neutral	kΩ	>0.5MΩ
Measuring accurancy			±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

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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

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Weight		g	600
Certifications and compliance			
Compliance			
	IEC/EN 60947-1		
	IEC/EN 60947-6-1		
	IEC/EN 61000-6-2		
	IEC/EN 61000-6-3		
Certificates			
	cULus		
	EAC		
ETIM classification			
ETIM 8.0			EC000236 - PLC CPU-module

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