



Automatic transfer switch controller for 2 power sources, three phase control, with LCD display, 12-24VDC supply
ATL601

Product designation

Product type designation

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 ⁵
Mechanical life	cycles	10 ⁷
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 max	°C °C -30 +70
Storage temperature	min max	°C °C -30 +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
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