



Automatic transfer switch controller for 2 power sources, three phase control, with LCD display, 110...240VAC supply
ATL600

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

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 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
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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	°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

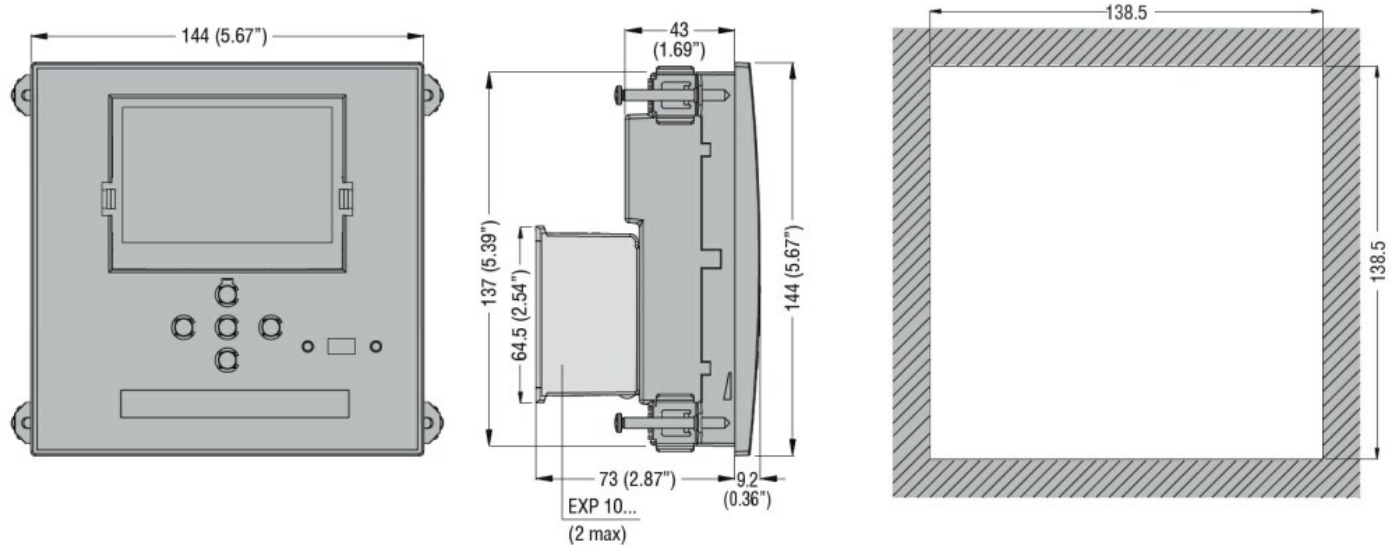
144 x 144 x
52.2mm

Weight

g

600

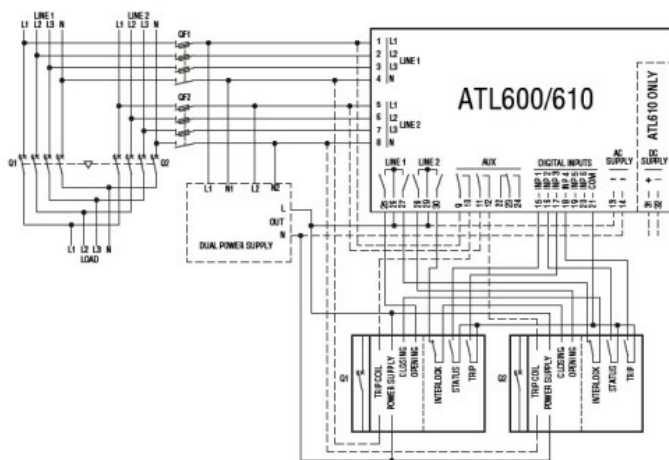
Dimensions



Wiring diagrams

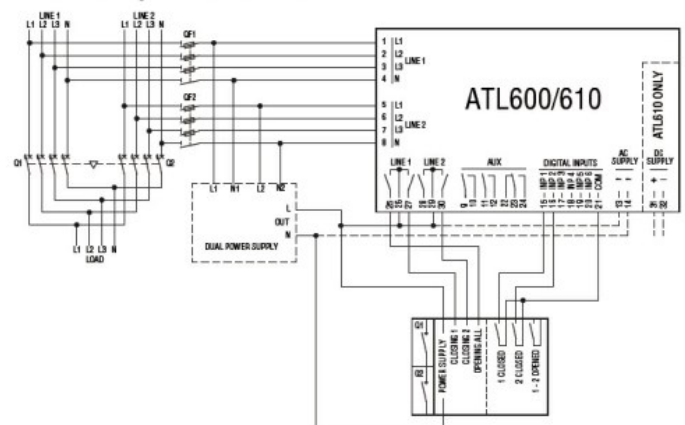
Connection diagrams

Motorised breaker control



Connection diagrams

Motorised changeover switches control



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