ATL500

Automatic transfer switch controller with NFC technology and synoptic, for 2 power sources, (144x144mm/5.7X5.7”), self-seeking power supply 110...240VAC



Product designation			Automatic transfer switch controller for 2 power sources, self-powered, three phase control, with NFC and synoptic
Product type designation			ATL500
General characteristics			
Number of controlled power sources		Nr.	2
Display			No
Expandability			No
AC Power supply			
Rated supply voltage AC		VAC	110...240
Operating supply voltage range AC		VAC	90...300VAC L-N
Rated frequency		Hz	50/60
Operating frequency range		Hz	45...66
Immunity time for microbreakings			
	110VAC	ms	≤200
	220VAC	ms	≤400
Power consumption AC (Max)		VA	3.7
Voltage inputs			
Maximum rated voltage Ue			415VAC L-L (240VAC L-N)
Measurement range		V	155...519VAC L-L (90...300VAC L-N)
Frequency range		Hz	45...66
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.
Wiring mode			Single-phase, two-phase, three-phase with neutral system
Digital inputs			
Number of digital input		Nr.	2
Type of digital input			Negative
Digital current inputs		mA	≤5mA
Low input signal		VDC	≤2.6V
High input signal		VDC	≥3.1V
Input signal delay		ms	≥50

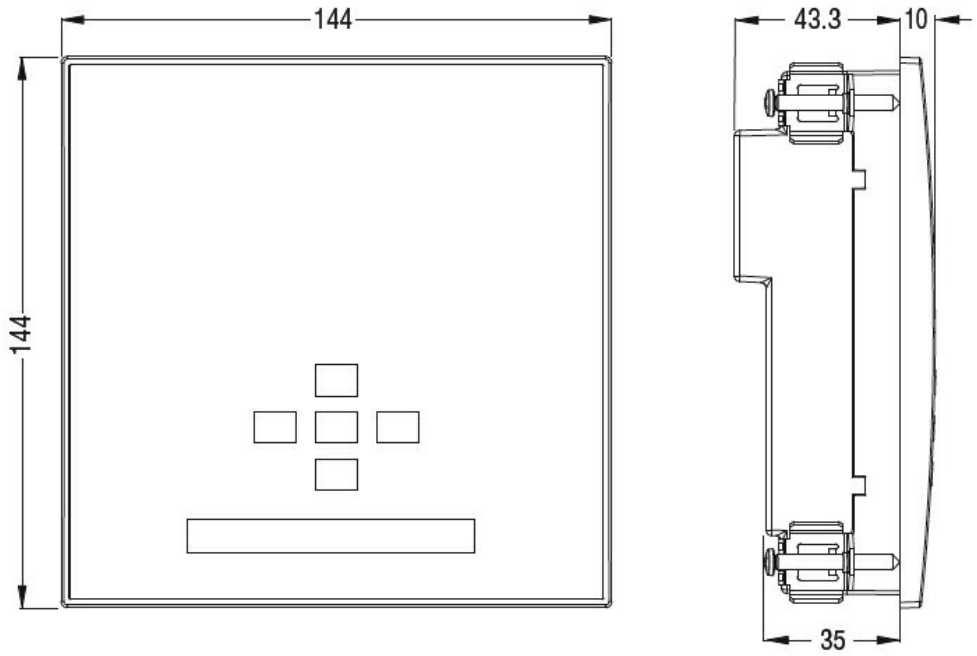
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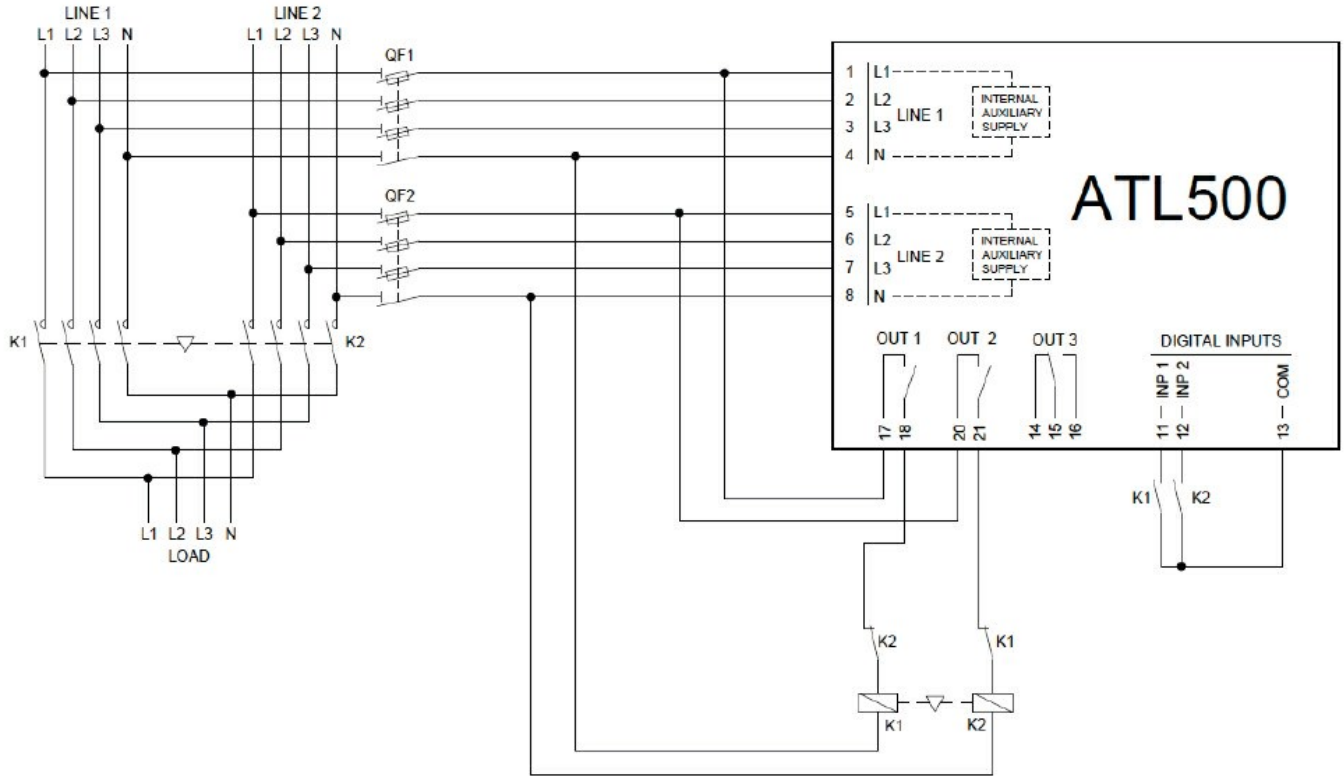
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Relay outputs				
Number of relay output			Nr.	3
Contact arrangement				2 x 1NO-SPST (OUT1, OUT2) + 1 x C/O-SPDT (OUT3)
Electrical life			cycles	105
Mechanical life			cycles	107
Interface				
NFC interf.				Yes
Functions				
Programmable source type				Single-phase, two-phase, three-phase with neutral
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	580
Dimensions				

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Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 60947-1
IEC/EN 60947-6-1
IEC/EN 61000-6-2
IEC/EN 61000-6-3
IEC/EN 61010-1
IEC/EN 61010-2-030

Certificates

RCM

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ETIM classification

ETIM 8.0	EC000236 - PLC CPU-module

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