ENERGY AND AUTOMATION

AUTOMATIC TRANSFER SWITCH CONTROLLER WITH NFC TECHNOLOGY AND SYNOPTIC, FOR 2 POWER SOURCES, (144X144MM/5.7X5.7"), SELF-SEEKING POWER SUPPLY 110...240VAC



Automatic transfer switch

controller for 2 power sources, Product designation self-powered, three phase control, with NFC and synoptic ATL500 Product type designation General characteristics 2 Number of controlled power sources Nr. Display No Expandability No AC Power supply Rated supply voltage AC VAC 110...240 Operating supply voltage range AC VAC 90...300VAC L-N 50/60 Rated frequency Hz Operating frequency range Hz 45...66 Immunity time for microbreakings 110VAC ≤200 ms 220VAC ms ≤400 VA 3.7 Power consumption AC (Max) Voltage inputs 415VAC L-L Maximum rated voltage Ue (240VAC L-N) 155...519VAC L-V L (90...300VAC Measurement range L-N) 45...66 Frequency range Hz True root mean Measurement method square (TRMS) Input impedance phase-phase >1.0MΩ phase-neutral >0.5MΩ ±0.25% f.s. Measuring accurancy Single-phase, two-phase, three-Wiring mode phase with neutral system Digital inputs Number of digital input Nr. 2

Type of digital input

Digital current inputs

Low input signal

High input signal

Input signal delay

Negative

≤5mA

≤2.6V

≥3.1V

≥50

mΑ

VDC

VDC

ms



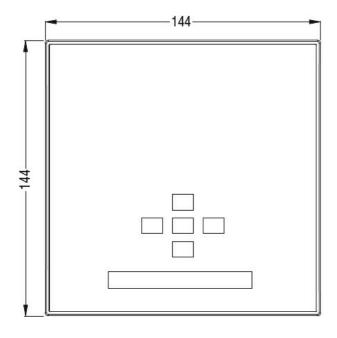
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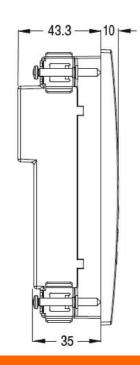
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Relay outputs				
Number of relay output	ıt		Nr.	3
Contact arrangement	·			2 x 1NO-SPST (OUT1, OUT2) + 1 x C/O-SPDT (OUT3)
Electrical life			cycles	10 ⁵
Mechanical life			cycles	107
Interface				
NFC interf.				Yes
Functions				
Programmable source	e 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				111
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 Dimensions			g	580

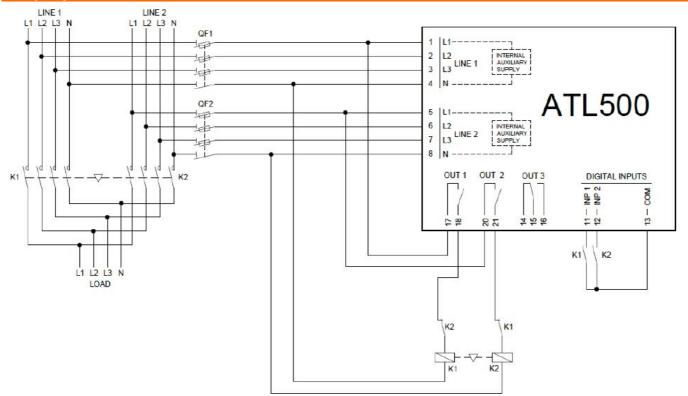
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Wiring diagrams



Certifications and compliance

Compliance

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

Certificates

RCM





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ETIM classification

ETIM 8.0

EC000236 - PLC CPU-module