ATL100

MODULAR AUTOMATIC TRANSFER SWITCH CONTROLLER FOR 2 POWER SOURCES WITH SINGLE-PHASE CONTROL



Product designation			Automatic transfer switch controller for 2 power sources, single phase control, modular housing
Product type designation			ATL100
General characteristics			
Number of controlled power sources		Nr.	2
Display			No
Expandability			No
AC Power supply			
Rated supply voltage AC		VAC	110...230
Operating supply voltage range AC		VAC	80...300
Rated frequency		Hz	50/60
Operating frequency range		Hz	45...66
Power consumption AC (Max)		VA	7
Voltage inputs			
Maximum rated voltage Ue			110...230VAC
Measurement range		V	80...300
Frequency range		Hz	45...65
Measurement method			True root mean square (TRMS)
Input impedance			
	phase-neutral	kΩ	>8MΩ
Measuring accurancy			±0.25% f.s
Wiring mode			Single-phase
Digital inputs			
Number of digital input		Nr.	1 for rated voltage selection 110/230VAC
Relay outputs			
Number of relay output		Nr.	3
Contact arrangement			2 x 2NO (OUT1, OUT2) + 1 x 1NO (alarm)
Electrical life		cycles	OUT1, OUT2: 10^5 Alarm output: 10^5
Mechanical life		cycles	OUT1, OUT2: 1 x 10^7 Alarm output: 2 x 10^7
Ambient conditions			
Temperature			
Operating temperature			

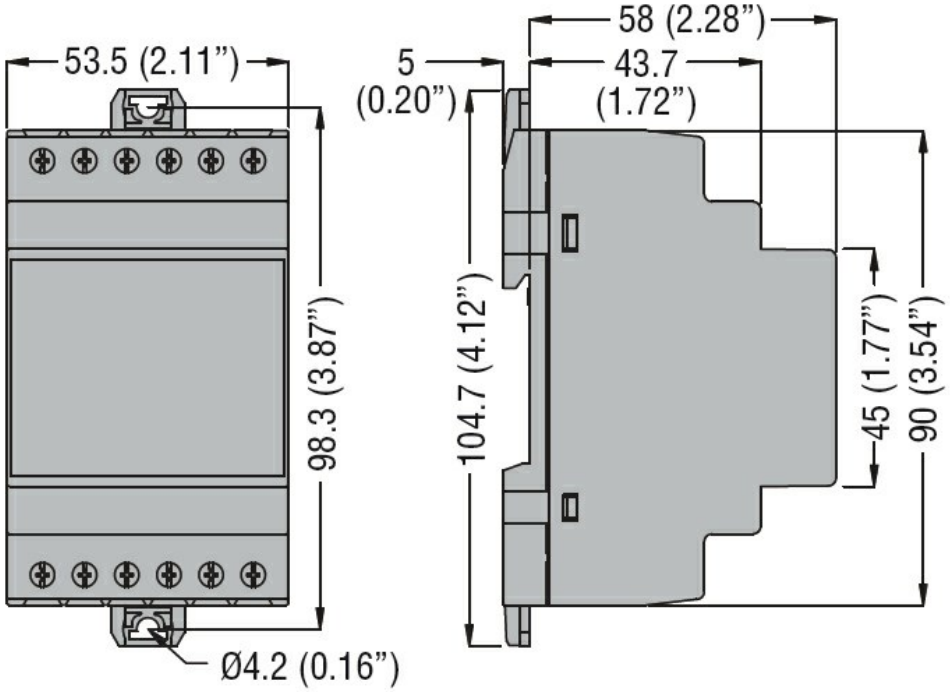
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	min	°C	-30
	max	°C	+70
Storage temperature			
	min	°C	-30
	max	°C	+80
Relative humidity		%	<80%
Maximum Pollution degree			2
Overvoltage category			3
Measurement category			III
Climatic sequence			Z/ABDM (IEC/EN 60068-2-61)
Shock resistance			15g (IEC/EN 60068-2-27)
Vibration resistance			0.7g (IEC/EN 60068-2-6)

Housing

Execution		Modular housing (3 modules DIN 43880)
Material		Polyamide
Mounting		35mm DIN rail (IEC/EN 60715) or screw-type by means of removable clips
Degree of protection		IP40 on front, IP20 on terminals
Dimensions (W x H x D)	mm	53.5 x 104.7 x 63
Weight	g	300

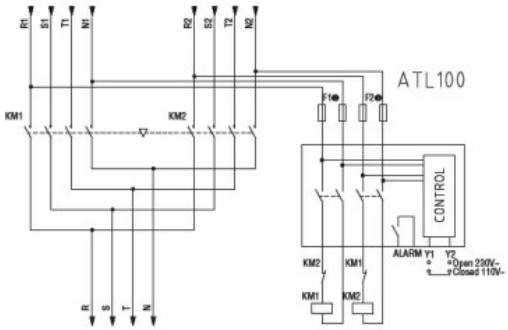
Dimensions

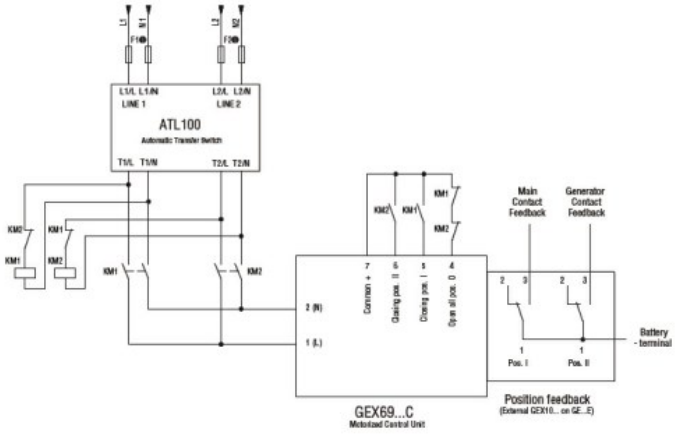


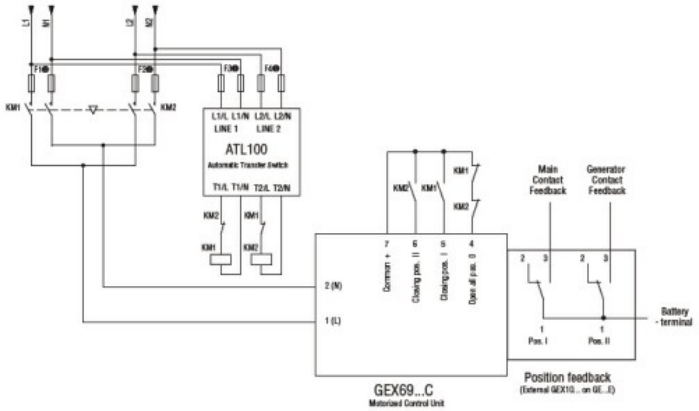
Wiring diagrams

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Connection diagrams







Certifications and compliance

Compliance

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

Certificates

EAC

ETIM classification

ETIM 8.0

EC000236 - PLC CPU-module

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