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		>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		

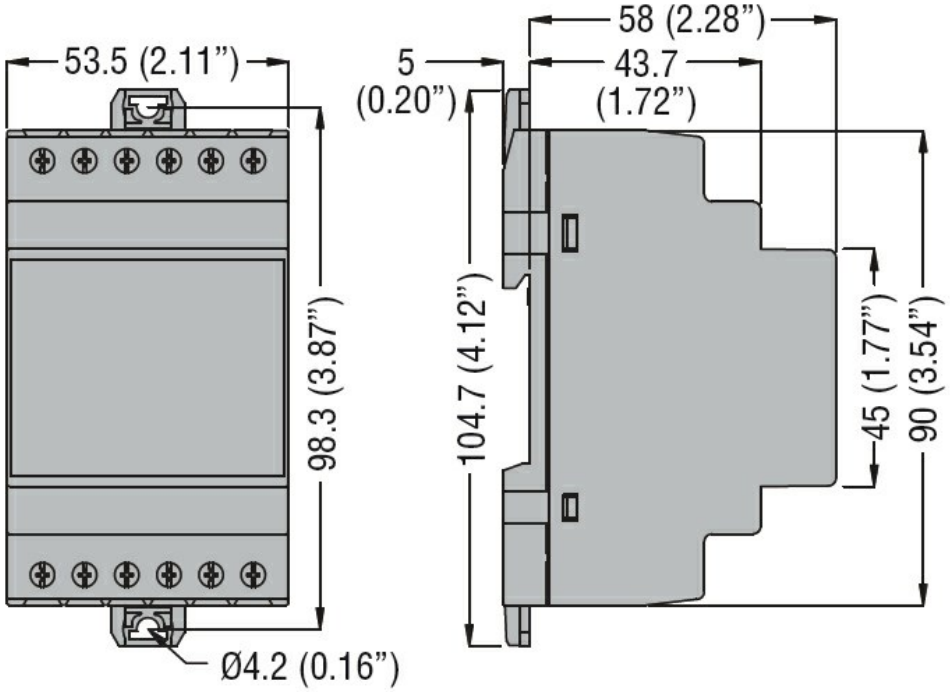
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

	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

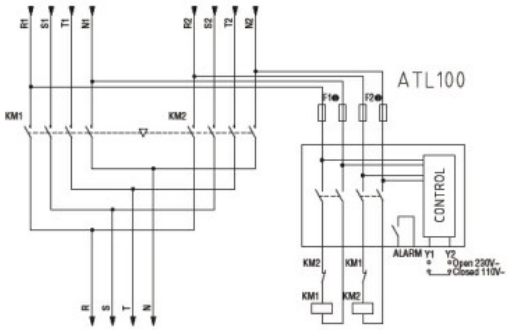
Dimensions

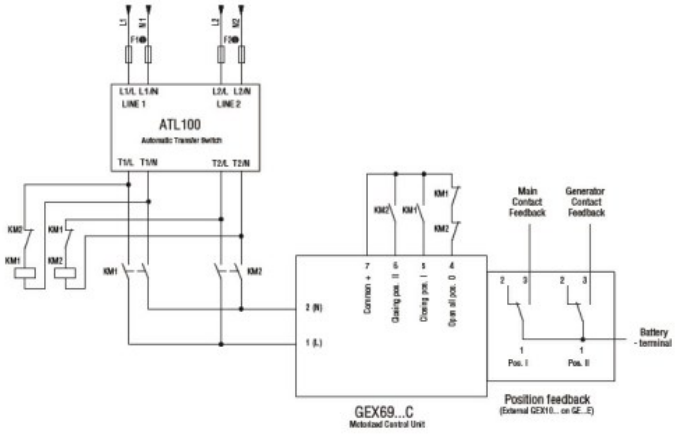


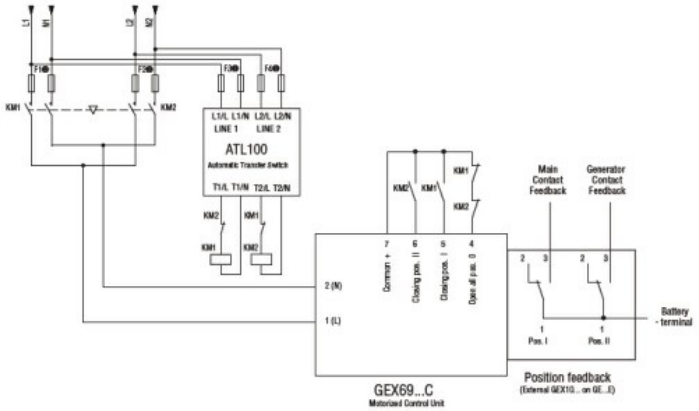
Wiring diagrams

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

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

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding