



Automatic transfer switch controller for 2 power sources, single phase control, modular housing
ATL100

Product designation

Product type designation

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	kO >8MΩ
Measuring accuracy		±0.25% f.s
Wiring mode		Single-phase

Digital inputs

Number of digital input	Nr.	1 for rated voltage selection 110/230VAC
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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

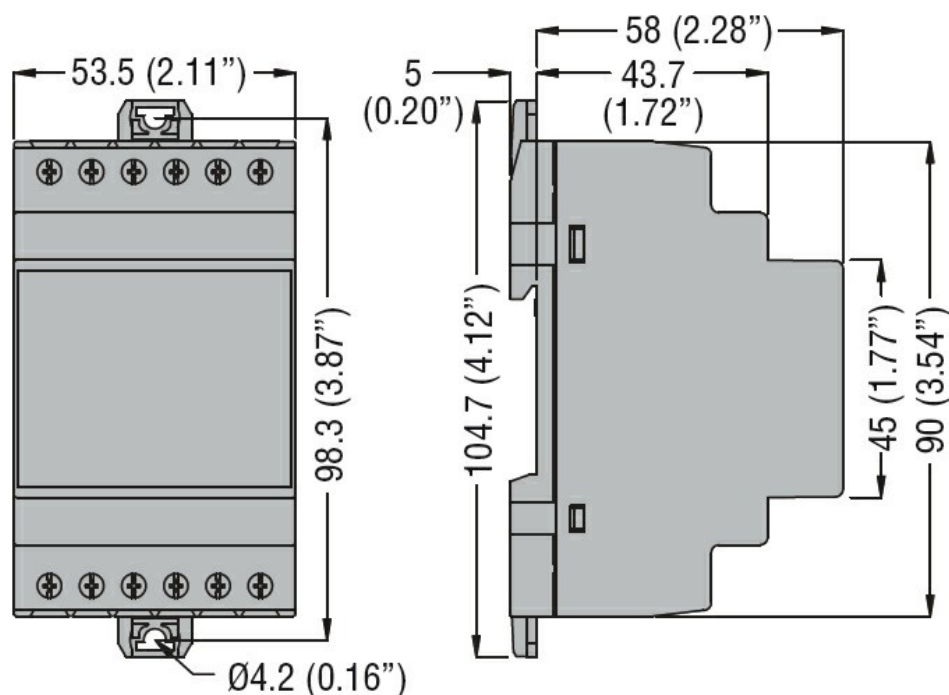
Operating temperature

	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

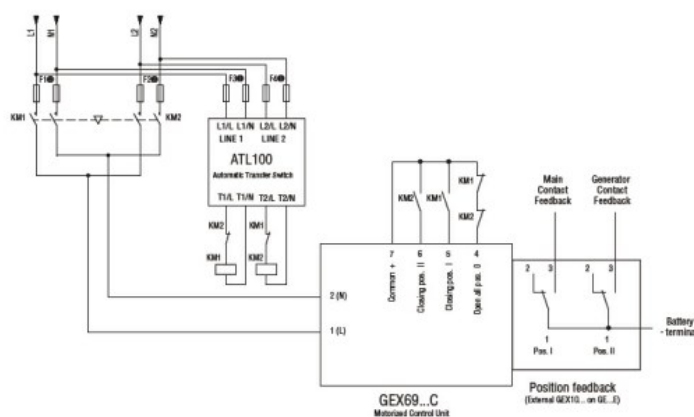
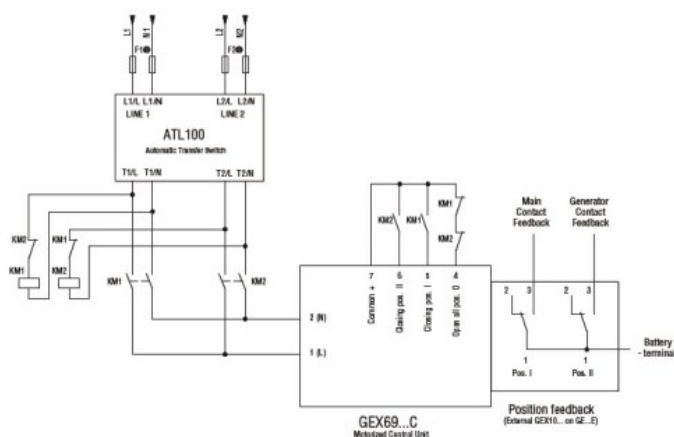
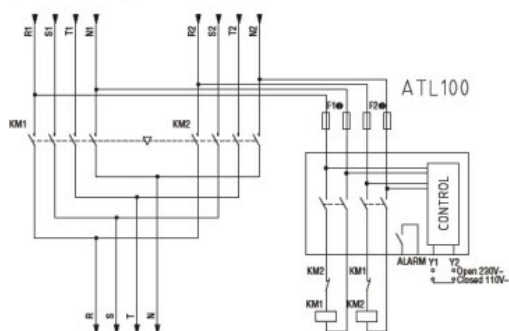
Execution	Modular housing (3 modules DIN 43880)
Material	Polyamide
Mounting	35mm DIN rail (IEC/EN 60715) or screw-type by means of removable clips
Degree of protection	IP40 on front, IP20 on terminals
Dimensions (W x H x D)	mm 53.5 x 104.7 x 63
Weight	g 300

Dimensions



Wiring diagrams

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