



Product designation			Motorized changeover switch
Product type designation			GLCM
Number of poles		Nr.	3
Operating voltage type			AC
Contact characteristics			
IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$		A	160
Rated insulation voltage U_i IEC/EN		V	1000
Rated impulse withstand voltage U_{imp}		kV	12
Operating current I_e			
AC21A			
	400V	A	160
	500V	A	160
	690V	A	160
AC22A			
	400V	A	160
	500V	A	160
	690V	A	160
AC23A			
	400V	A	160
	500V	A	160
	690V	A	160
AC-31B			
	400V	A	160
	500V	A	160
	690V	A	160
AC-32B			
	400V	A	160
	500V	A	160
	690V	A	160
AC-33B			
	400V	A	160
	500V	A	160
	690V	A	160
Power dissipation per pole max		W	3.2
Rated operational power AC23A			
	400V	kW	90
	690V	kW	144
Conditional short-circuit current (rms)		kA	100
Short-circuit protection with fuse		Class/A	gG/160
Making capacity AC23A 400V		A	1600
Breaking capacity AC23A 400V		A	1280
Mechanical life		cycles	20000
Mechanical features			
Operating position			

	normal allowable		Vertical plan Any
Fixing			Screw
Terminals	type		M8 x 25
Tightening torque for terminals	min	Nm	15
	max	Nm	20
	min	lbin	132
	max	lbin	177
Conductor section	IEC min	mm²	70
	IEC max	mm²	185
	AWG/kcmil min		00
	AWG/kcmil max	kcmil	400
Weight	g		8150
Motor data			
Rated operational voltage	V		110...125VAC/DC
Operating voltage range			77...165VAC/DC
Operating time	I-O, O-I	s	0.55...0.89
	I-O-II, II-O-I	s	1.6...2.4
Rated current (In)	A		0.72...0.88
In-rush current	A		1.8...2.2
Switching rate	Max continuous Cycles/min 1		
	Short time Cycles/min 10		
Terminal blocks data			
Conductor section	IEC min	mm²	0.2
	IEC max	mm²	2.5
	AWG/kcmil min		24
	AWG/kcmil max		14
Maximum cable lenght	m / ft		100 / 328
UL technical data			
UL Standard			1008
General purpose current rating	A		100
Operating voltage max	V		600
Total system current	240V	A	100
	480V	A	100
	600V	A	100
Resistive load current	240V	A	100
	480V	A	100
	600V	A	100
Short circuit rating	kA rms		100
Short circuit rating with fuse	Class/A		J/100
UL Terminal kit lugs			GLX500-501
Minimum enclosure dimensions at rated current	mm	mm	400 x 250 x 150
	in	in	15.8 x 9.9 x 5.9

Ambient conditions

Operating temperature	min	°C	-25
	max	°C	+55

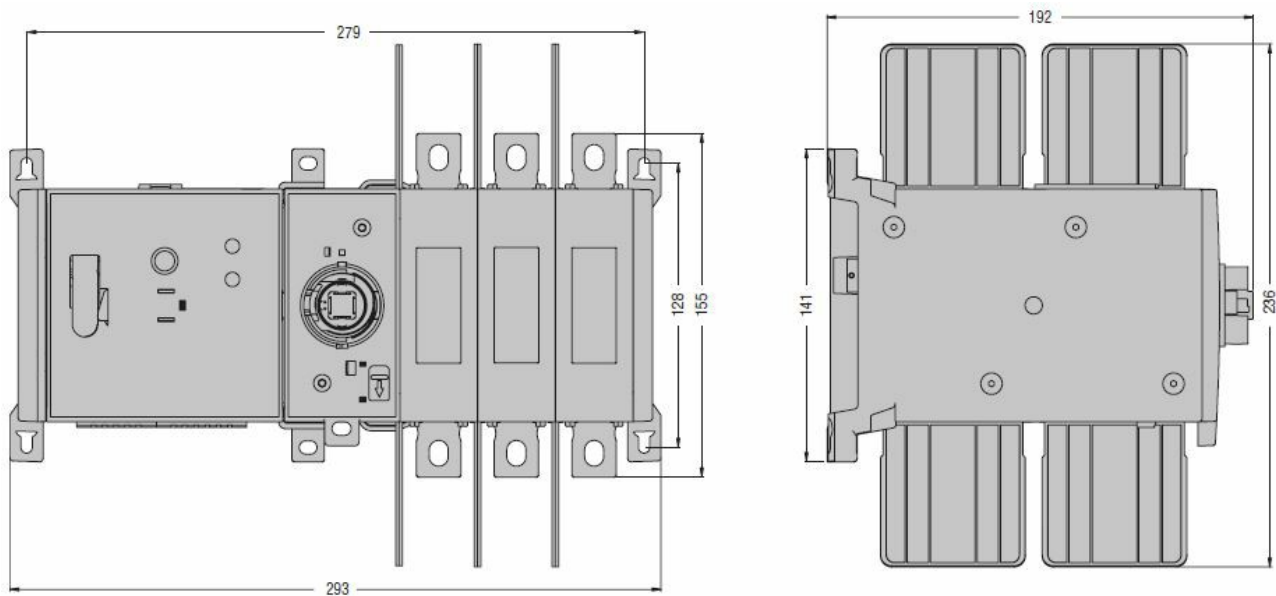
Storage temperature	min	°C	-40
	max	°C	+70

Max altitude	m	3000
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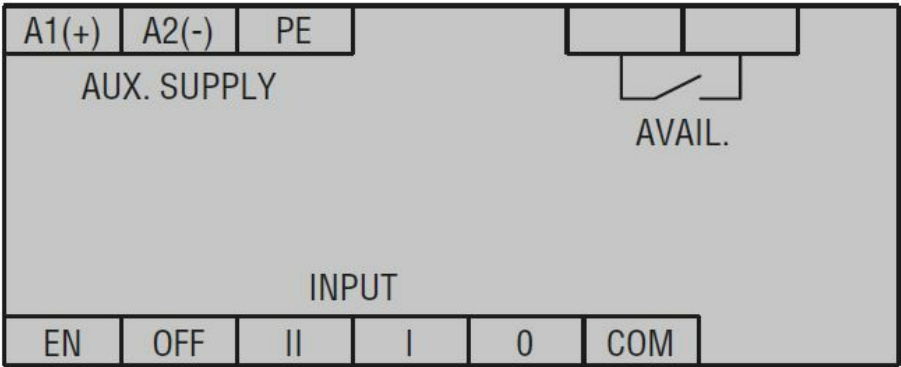
Resistance & Protection

Pollution degree	3
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Dimensions



Wiring diagrams



Certifications and compliance

Certifications	cULus
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