



**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
Reactive power for control of capacitors at		
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		

Tightening torque for terminals	type	M8 x 25	
	min	Nm	15
	max	Nm	20
	min	lbin	132
Conductor section	max	lbin	177
	IEC min	mm <sup>2</sup>	70
	IEC max	mm <sup>2</sup>	185
	AWG/kcmil min		00
Weight	AWG/kcmil max	kcmil	400
		g	6350
<b>Motor data</b>			
Rated operational voltage		V	110... 125VAC/DC
Operating voltage range	77...165VAC/DC		
Operating time			
Rated current (I <sub>n</sub> )	I-O, O-I	s	0.55...0.89
	I-O-II, II-O-I	s	1.6...2.4
In-rush current		A	0.72...0.88
Switching rate		A	1.8...2.2

Max continuous Cycles/min 1  
Short time Cycles/min 10

**Terminal blocks data**

Conductor section	IEC min	mm <sup>2</sup>	0.2
	IEC max	mm <sup>2</sup>	2.5
	AWG/kcmil min		24
	AWG/kcmil max		14
Maximum cable length		m / ft	100 / 328

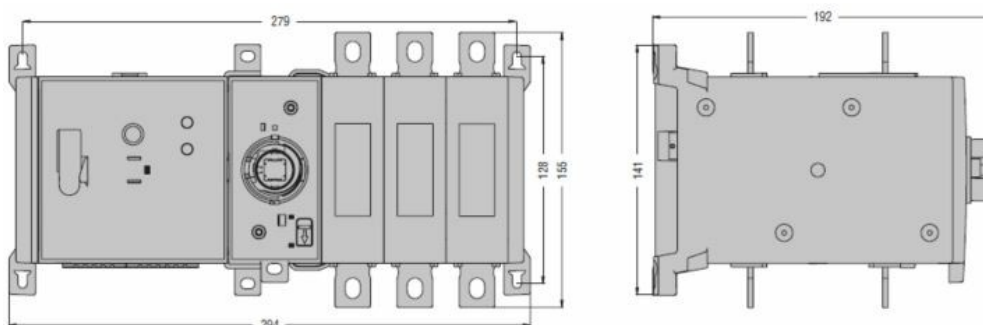
**Ambient conditions**

Operating temperature	min	°C	-25
	max	°C	+55
Storage temperature	min	°C	-40
	max	°C	+70
Max altitude		m	3000

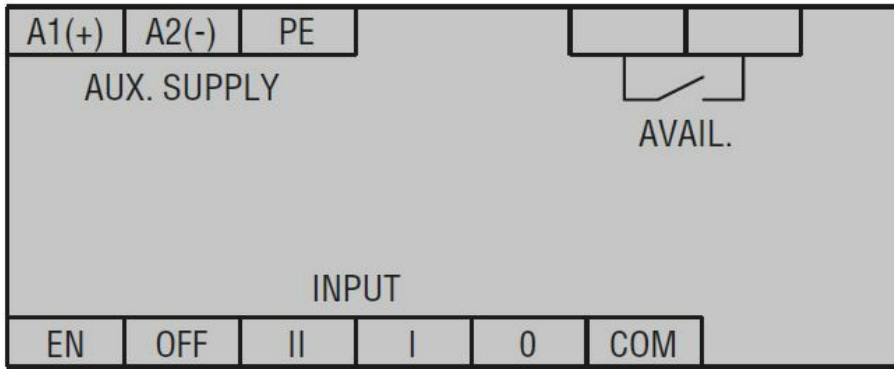
**Resistance & Protection**

Pollution degree	3
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**Dimensions**



**Wiring diagrams**



Certifications and compliance

Compliance

IEC/EN/BS 60947-3  
IEC/EN/BS 60947-6-1