



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		

	type	M8 x 25
Tightening torque for terminals		
	min	Nm 15
	max	Nm 20
	min	lbin 132
	max	lbin 177
Conductor section		
	IEC min	mm ² 70
	IEC max	mm ² 185
	AWG/kcmil min	00
	AWG/kcmil max	kcmil 400
Weight	g	7130
Motor data		
Rated operational voltage	V	24VDC
Operating voltage range		19.2...31.2VDC
Operating time		
	I-O, O-I	s 0.55...0.89
	I-O-II, II-O-I	s 0.98...1.40
Rated current (I _n)	A	2.7...3.3
In-rush current	A	5.4...6.6
Switching rate		
	Max continuous Cycles/min 1	
	Short time Cycles/min 10	

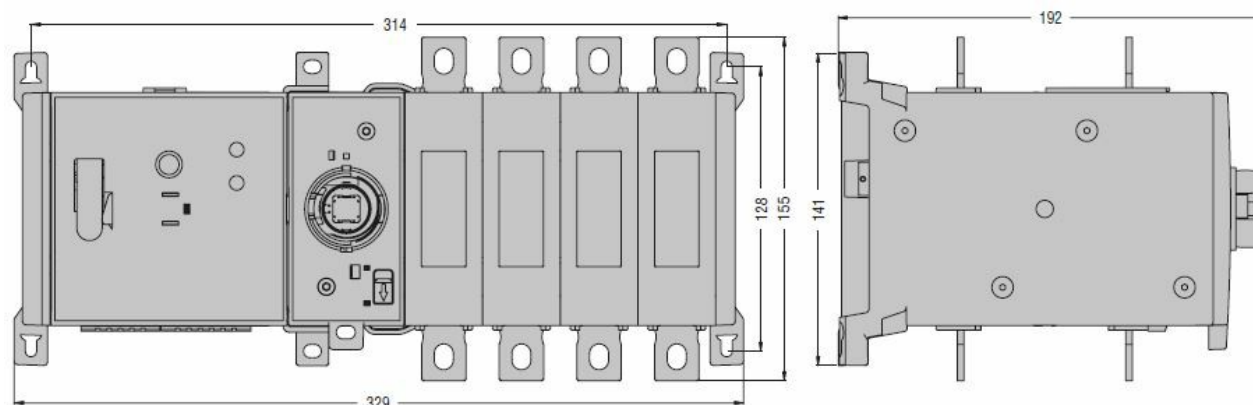
Terminal blocks data

Conductor section		
	IEC min	mm ² 0.2
	IEC max	mm ² 2.5
	AWG/kcmil min	24
	AWG/kcmil max	14
Maximum cable lenght	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

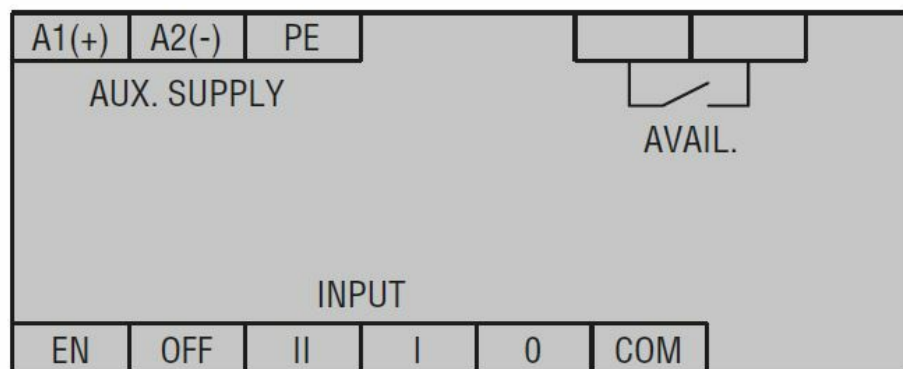
Resistance & Protection

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