



Contact characteristics

IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$	A	100
Rated insulation voltage U_i IEC/EN	V	1000
Rated impulse withstand voltage U_{imp}	kV	8
Operating current I_e		
AC21A		
	400V	A 100
	500V	A 100
	690V	A 100
AC22A		
	400V	A 100
	500V	A 100
	690V	A 100
AC23A		
	400V	A 100
	500V	A 80
	690V	A 47
Power dissipation per pole max	W	4
Rated operational power AC23A		
	400V	kW 55
	690V	kW 45
Reactive power for control of capacitors at		
Conditional short-circuit current (rms)	kA	50
Short-circuit protection with fuse	Class/A	gG100
Making capacity AC23A 400V	A	1000
Breaking capacity AC23A 400V	A	800
Mechanical life	cycles	30000
Electrical life AC21A	cycles	30000

Mechanical features

Operating position	normal allowable	Vertical plan Any
Terminals	type width mm height mm screw tool	Pillar 12.4 10.4 M8 Metric Allen key 4
Tightening torque for terminals	min max min max	Nm 5 6 lbin 45 54
Conductor section	IEC min	mm ² 4

IEC max	mm ²	70
AWG/kcmil min		12
AWG/kcmil max	kcmil	1

UL technical data

General purpose current rating	A	100
Operating voltage max	V	600
Horsepower/FLA current single phase motor		
	120V	HP/A 5/56
	240V	HP/A 10/50
Horsepower/FLA current three phase motor		
	240V	HP/A 30/80
	480V	HP/A 50/65
	600V	HP/A 50/52
Short circuit rating	kA rms	50
Short circuit rating with fuse	Class/A	J/100

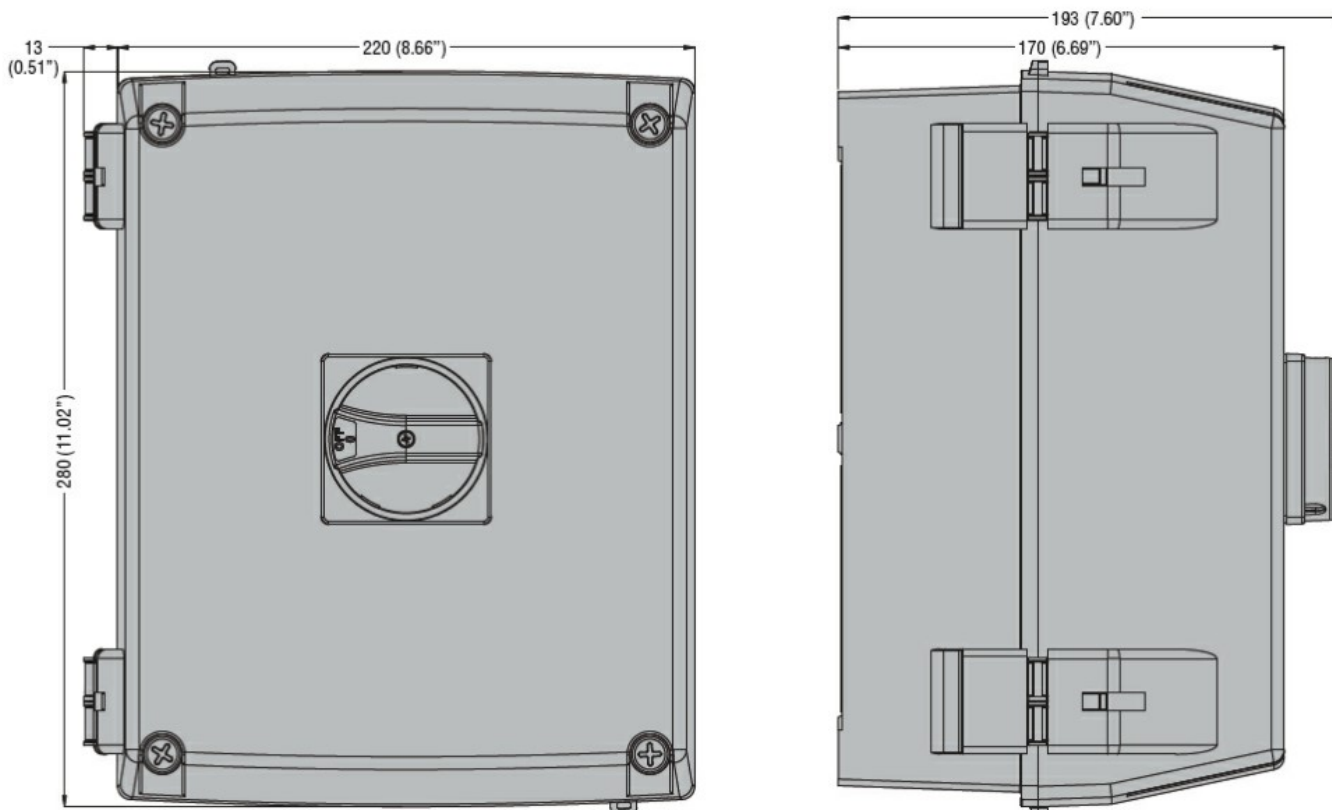
Ambient conditions

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

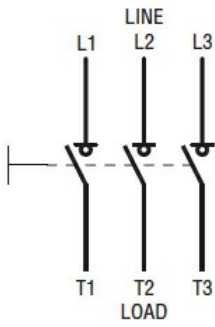
Resistance & Protection

Frontal IP degree	IP65
UL degree of protection	UL/CSA Type 4/4X
IP degree of protection	IP65
Pollution degree	3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 60947-1

IEC/EN 60947-3

Certifications

cULus

EAC

ETIM classification

ETIM 8.0

EC000216 -
Switch
disconnecter