



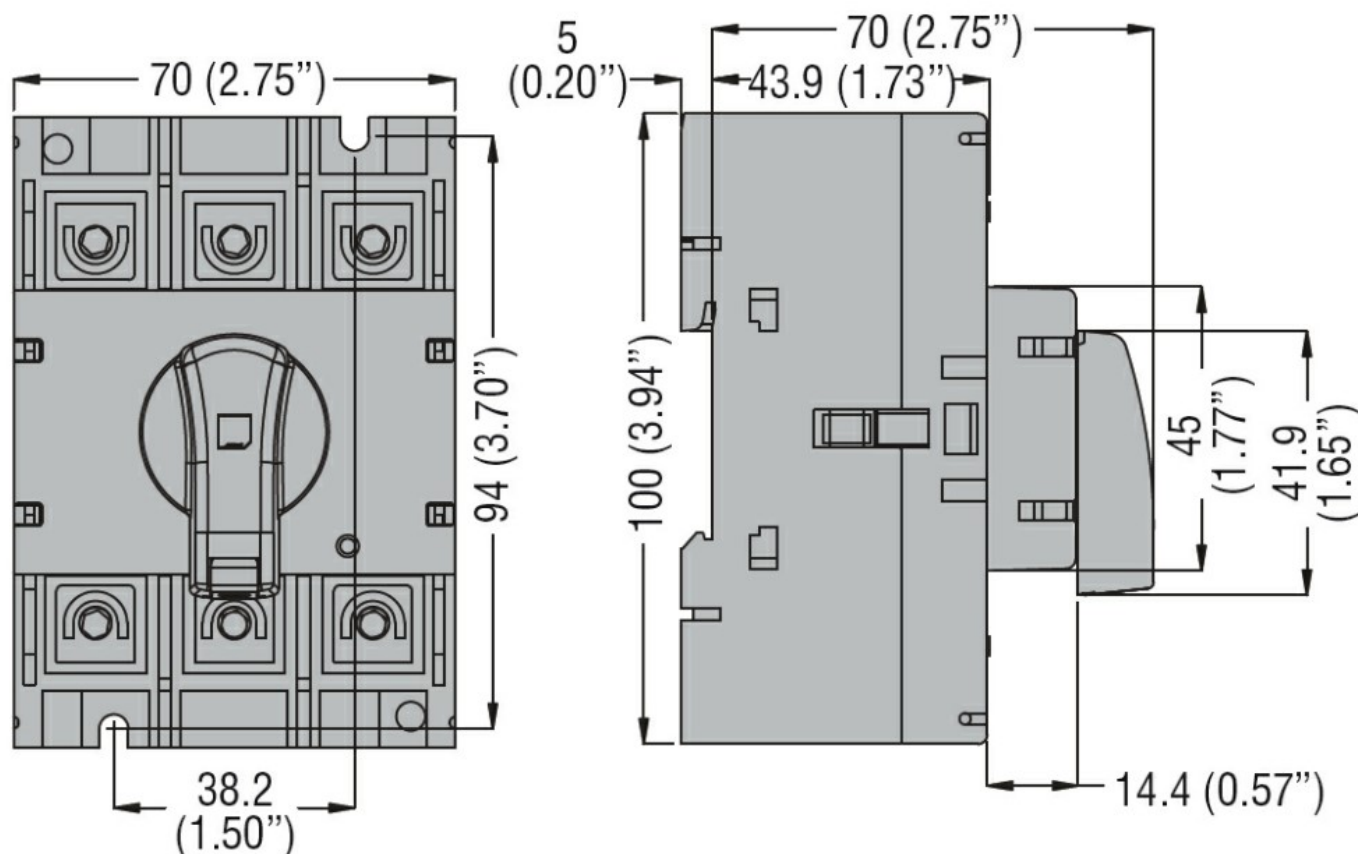
Contact characteristics

IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$	A	80
Rated insulation voltage U_i IEC/EN	V	1000
Rated impulse withstand voltage U_{imp}	kV	8
Operating current I_e		
AC21A		
	400V	A 80
	500V	A 80
	690V	A 80
AC22A		
	400V	A 80
	500V	A 80
	690V	A 47
AC23A		
	400V	A 80
	500V	A 63
	690V	A 47
Power dissipation per pole max	W	2.6
Rated operational power AC23A		
	400V	kW 45
	690V	kW 45
Reactive power for control of capacitors at		
Rated short time current (1s) I_{cw} (rms)	kA	2.5
Conditional short-circuit current (rms)	kA	50
Short-circuit protection with fuse	Class/A	gG80
Making capacity AC23A 400V	A	1250
Breaking capacity AC23A 400V	A	1000
Mechanical life	cycles	30000
Electrical life AC21A	cycles	30000

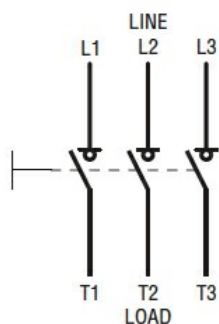
Mechanical features

Operating position	normal allowable	Vertical plan Any
Fixing		Screw / DIN rail 35mm
Terminals	type width height screw tool	Pillar 12.4 10.4 M8 Metric Allen key 4
Tightening torque for terminals	min max min	Nm 5 Nm 6 lbin 45

	max	I _{bin}	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			
UL Standard			UL98
General purpose current rating		A	100
Operating voltage max		V	600
Horsepower/FLA current three phase motor			
	240V	HP/A	25/68
	480V	HP/A	40/52
	600V	HP/A	40/41
Short circuit rating		kA rms	50 (600V) / 100 (480V)
Short circuit rating with fuse		Class/A	J/100A / CC-J-T/max. 200A
Minimum enclosure dimensions at rated current			
	mm	mm	150x140x110
	in	in	5.9 x 5.5 x 4.3
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			IP20
Pollution degree			3
Dimensions			



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n°4
IEC/EN 60335-2-89
IEC/EN 60947-1
IEC/EN 60947-3
UL98

Certifications

CCC
CSA C22.2 n. 60335-2-40:22 LZGH A2L
CSA C22.2 n°4
CSA C22.2 No. 60335-2-89:21 LZGH A2L
cULus according to UL98
EAC
UL 60335-2-40 LZGH A2L
UL 60335-2-89 LZGH A2L

ETIM classification

ETIM 8.0

EC000216 -
Switch
disconnecter