



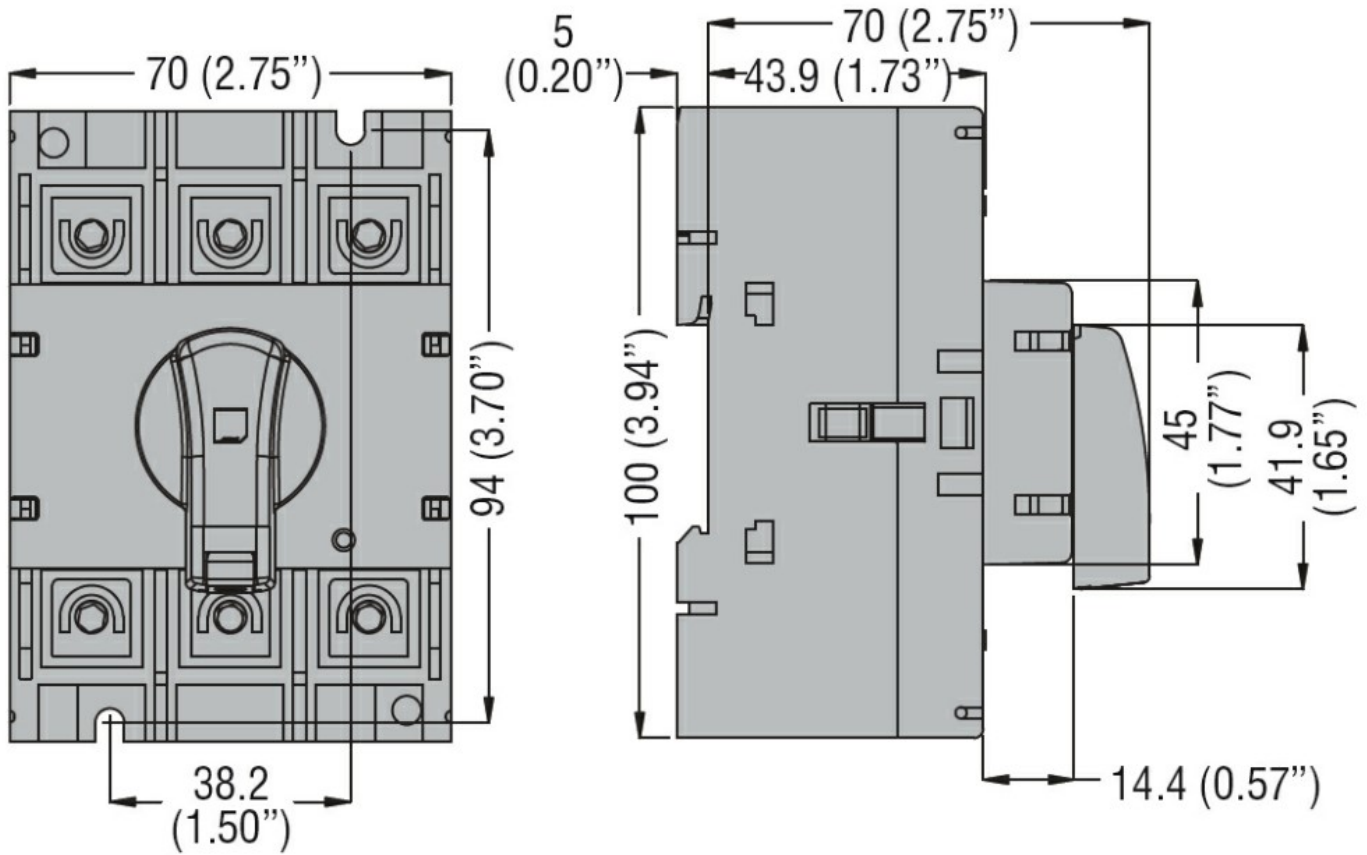
Contact characteristics

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 30000
	500V	A 30000
	690V	A 30000
AC22A	400V	A 30000
	500V	A 30000
	690V	A 30000
AC23A	400V	A 30000
	500V	A 30000
	690V	A 30000
Power dissipation per pole max	W	4
Rated operational power AC23A	400V	kW 30000
	690V	kW 30000
Reactive power for control of capacitors at		
Rated short time current (1s) I_{cw} (rms)	kA	2.5
Conditional short-circuit current (rms)	kA	30000
Short-circuit protection with fuse	Class/A	30000
Making capacity AC23A 400V	A	1250
Breaking capacity AC23A 400V	A	1000
Mechanical life	cycles	Screw / DIN rail 35mm
Electrical life AC21A	cycles	30000

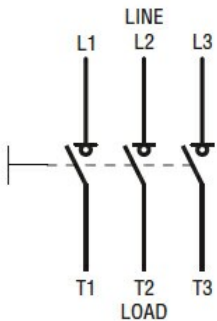
Mechanical features

Operating position	normal	+70
	allowable	+70
Fixing		Screw / DIN rail 35mm
Terminals	type	Pillar
	width	mm 12.4
	height	mm 10.4
	screw	M8
	tool	Metric Allen key 4
Tightening torque for terminals	min	Nm 5
	max	Nm 6

	min	lbin	45
	max	lbin	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	30/80
	480V	HP/A	50/65
	600V	HP/A	50/52
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	54
	max	°C	+55
Storage temperature			
	min	°C	+55
	max	°C	+70
Max altitude		m	+70
Resistance & Protection			
Frontal IP degree			IP20
Pollution degree			Screw / DIN rail 35mm
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