



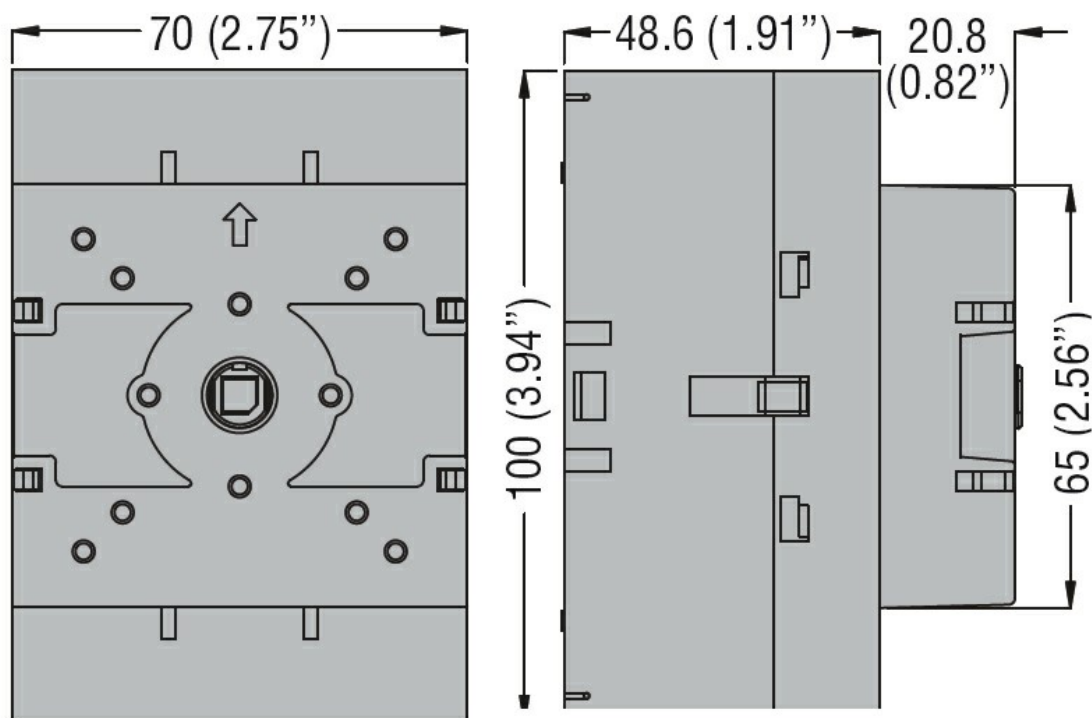
Contact characteristics

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 80
	690V	A 47
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		
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	gG100
Making capacity AC23A 400V	A	1250
Breaking capacity AC23A 400V	A	1000
Mechanical life	cycles	30000
Electrical life AC21A	cycles	30000

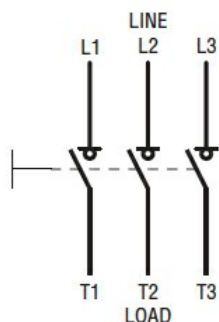
Mechanical features

Operating position	normal allowable	Vertical plan Any
Fixing		By screw on the door
Terminals	type width height screw tool	Pillar 12.4 mm 10.4 mm 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	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	-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