



Contact characteristics

IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$		A	125	
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	6.3	
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 allowable			54 54
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	60/77
	600V	HP/A	60/62
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

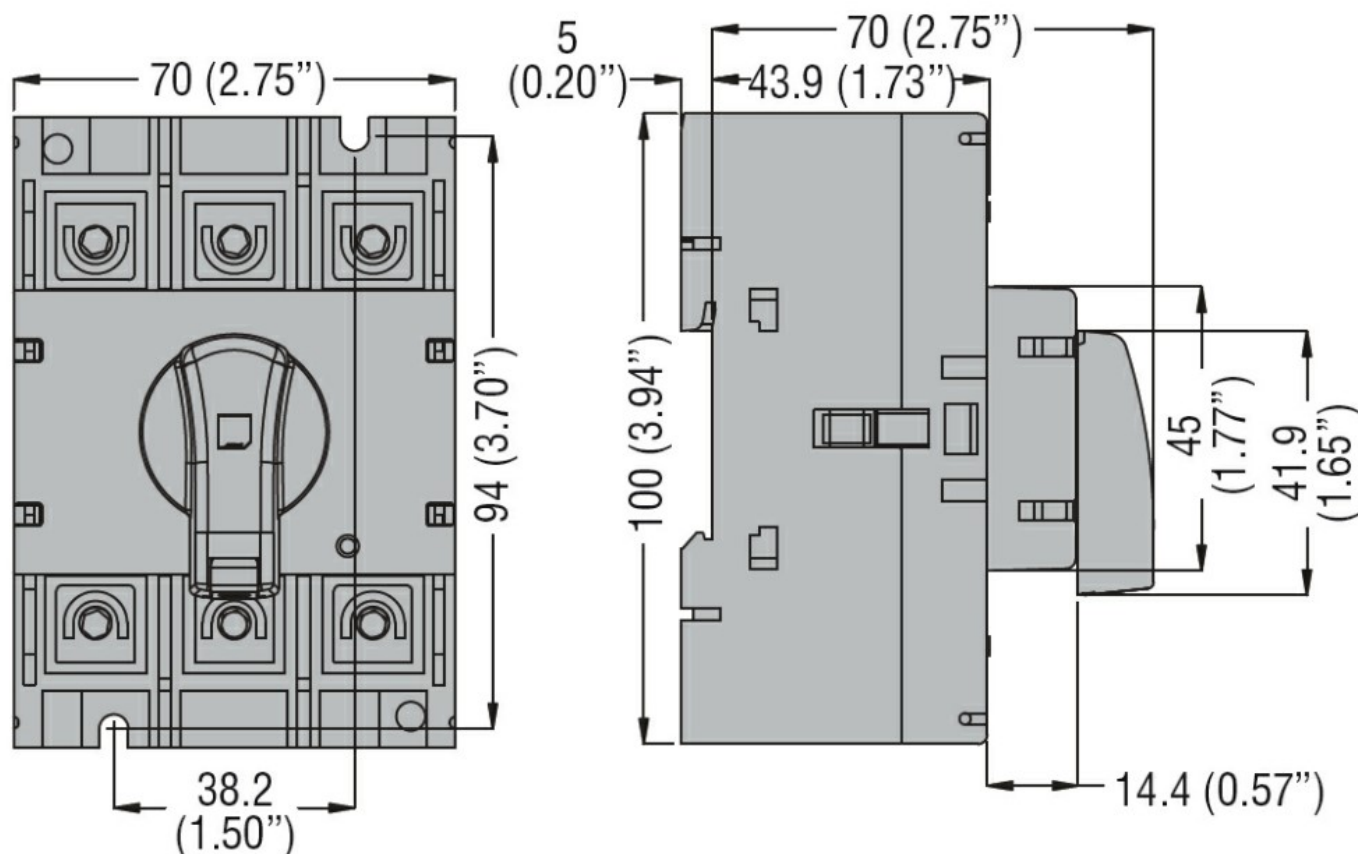
Ambient conditions

Operating temperature	min max	°C °C	54 54
Storage temperature	min max	°C °C	54 54
Max altitude		m	54

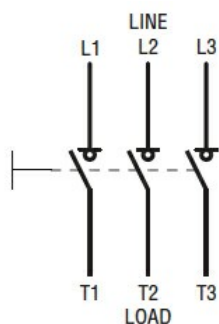
Resistance & Protection

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