



Contact characteristics

IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$	A	40
Rated insulation voltage U_i IEC/EN	V	1000
Rated impulse withstand voltage U_{imp}	kV	8
Operating current I_e		
AC21A		
	400V	A 40
	500V	A 40
	690V	A 40
AC22A		
	400V	A 40
	500V	A 40
	690V	A 40
AC23A		
	400V	A 40
	500V	A 25
	690V	A 25
Power dissipation per pole max	W	1
Rated operational power AC23A		
	400V	kW 18.5
	690V	kW 22
Reactive power for control of capacitors at		
Rated short time current (1s) I_{cw} (rms)	kA	0.8
Conditional short-circuit current (rms)	kA	10
Short-circuit protection with fuse	Class/A	gG40
Making capacity AC23A 400V	A	400
Breaking capacity AC23A 400V	A	320
Mechanical life	cycles	100000
Electrical life AC21A	cycles	100000

Mechanical features

Operating position	normal allowable	Vertical plan Any
Fixing		Screw / DIN rail 35mm
Terminals	type width height screw tool	Pillar 5.6 6.5 M4 Phillips 2
Tightening torque for terminals	min max min	Nm 1.8 Nm 2 lbin 16

	max	I _{bin}	18
Conductor section	IEC min	mm ²	0.75
	IEC max	mm ²	16
	AWG/kcmil min		18
	AWG/kcmil max	kcmil	6

UL technical data

UL Standard	UL60947-4-1		
General purpose current rating	A	40	
Operating voltage max	V	600	
Horsepower/FLA current three phase motor	240V	HP/A	15/42
	480V	HP/A	20/27
	600V	HP/A	25/27
Short circuit rating	kA rms	5	
Short circuit rating with fuse	Class/A	RK5/45	

Ambient conditions

Operating temperature	min	°C	-25
	max	°C	55

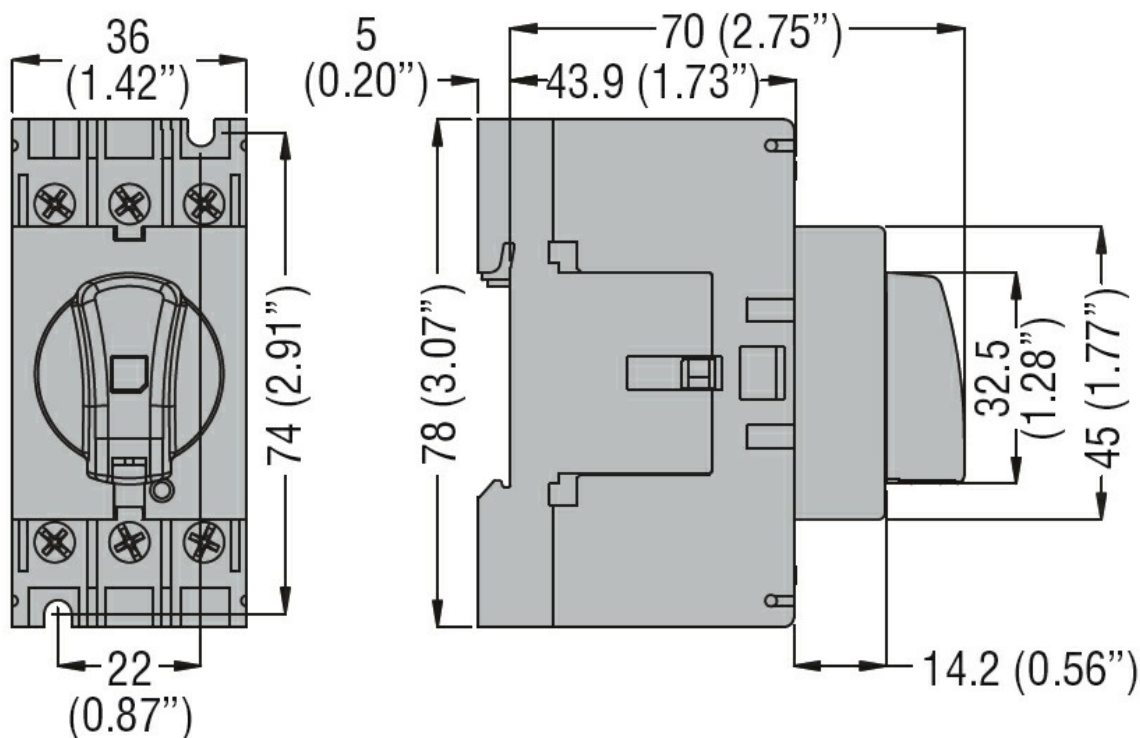
Storage temperature	min	°C	-40
	max	°C	70

Max altitude	m	3000
--------------	---	------

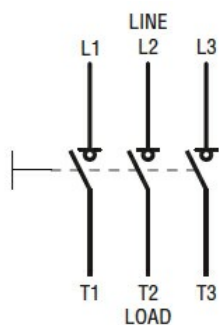
Resistance & Protection

Frontal IP degree	IP20
Pollution degree	3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n°60947-4-1

IEC/EN 60335-2-89

IEC/EN 60947-1

IEC/EN 60947-3

UL60947-4-1

Certifications

CCC

CSA C22.2 n. 60335-2-40:22 LZGH A2L

CSA C22.2 n°60947-4-1

CSA C22.2 No. 60335-2-89:21 LZGH A2L

cULus according to UL60947-4-1

EAC

KEMA

UL 60335-2-40 LZGH A2L

UL 60335-2-89 LZGH A2L

ETIM classification

ETIM 8.0

EC000216 -
Switch
disconnecter