



Contact characteristics

IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$	A	160
Rated insulation voltage U_i IEC/EN	V	1000
Rated impulse withstand voltage U_{imp}	kV	8
Operating current I_e		
AC21A		
	400V	A 160
	500V	A 160
	690V	A 160
AC22A		
	400V	A 125
	500V	A 100
	690V	A 47
AC23A		
	400V	A 125
	500V	A 100
	690V	A 47
Power dissipation per pole max	W	12
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	gG160
Making capacity AC23A 400V	A	1250
Breaking capacity AC23A 400V	A	1000
Mechanical life	cycles	30000
Electrical life AC21A	cycles	1500 (AC23A 400V)

Mechanical features

Operating position	normal allowable	Vertical plan Any
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

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
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Resistance & Protection

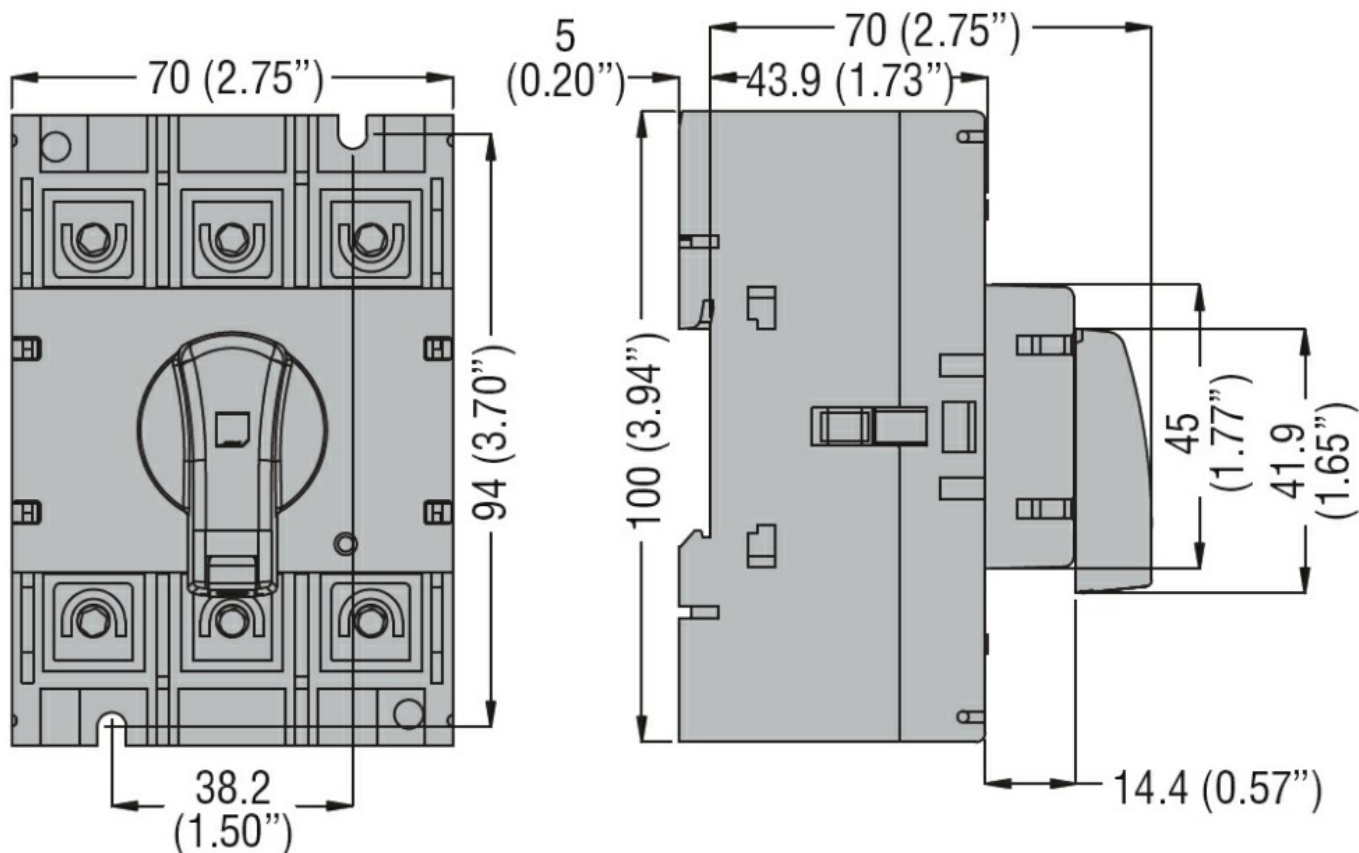
Frontal IP degree

	IP20
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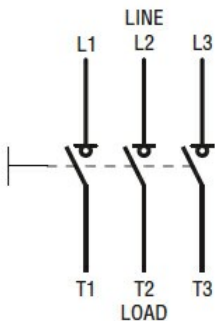
Pollution degree

	3
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Dimensions



Wiring diagrams



Certifications and compliance

Compliance	IEC/EN 60947-1
	IEC/EN 60947-3
Certifications	CCC
	EAC

ETIM classification

ETIM 8.0	EC000216 - Switch disconnecter
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