Lovato electric
ENERGY AND AUTOMATION

Product designation			Switch disconnector
Product type designation			GA
Number of poles		Nr.	3
Operating voltage type			AC

Contact characteristics

IEC Conventional free air thermal current Ith		A	125
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operating current Ie			
AC21A			
	400V	A	125
	500V	A	125
	690V	A	125
AC22A			
	400V	A	125
	500V	A	125
	690V	A	125
AC23A			
	400V	A	125
	500V	A	100
	690V	A	47
Power dissipation per pole max		W	6.3
Rated operational power AC23A			
	400V	kW	55
	690V	kW	45
Conditional short-circuit current (rms)		kA	50
Short-circuit protection with fuse		Class/A	gG125
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		Vertical plan
	allowable		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	Ibin	45
	max	Ibin	54

Conductor section			
	IEC min	mm²	4
	IEC max	mm²	70
	AWG/kcmil min		12
	AWG/kcmil max		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	30/80
	480V	HP	60/77
	600V	HP	60/62

Short circuit rating	kA rms	50
Short circuit rating with fuse	Class/A	J/100

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 [mm (in)]

Lovato electric
ENERGY AND AUTOMATION
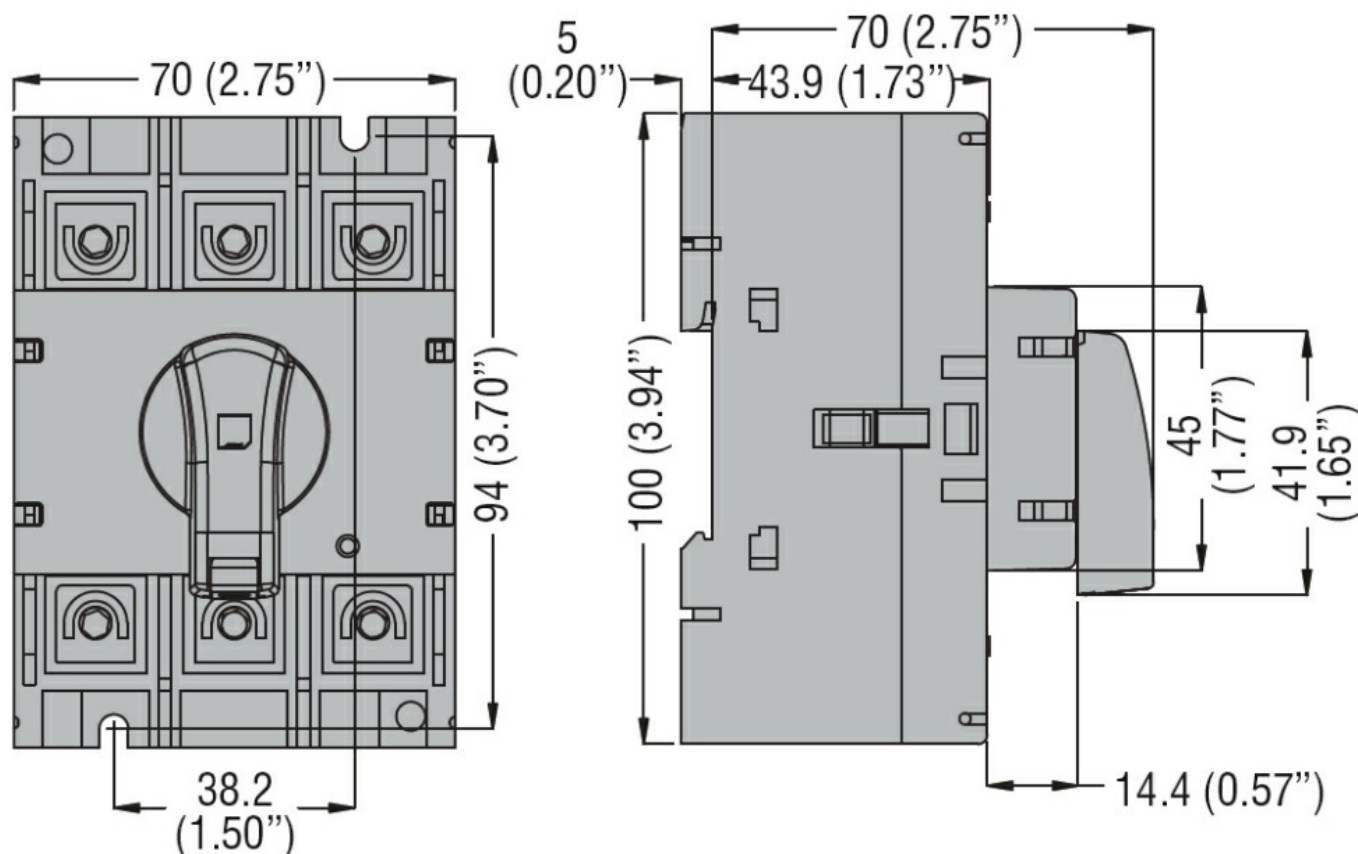
Wiring diagrams
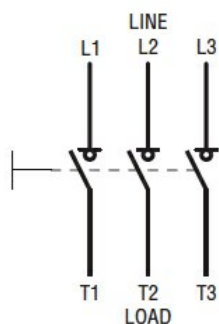
Certifications and compliance

Compliance

	CSA C22.2 n°4
	IEC/EN 60947-1
	IEC/EN 60947-3
	UL98

Certifications

	CCC
	CSA C22.2 n°4
	cULus according to UL98
	EAC

ETIM classification

ETIM 8.0	EC000216 - Switch disconnector