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	100
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operating current Ie			
AC21A			
	400V	A	100
	500V	A	100
	690V	A	100
AC22A			
	400V	A	100
	500V	A	100
	690V	A	100
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
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		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	3.75
max	Ibin	4.5

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	50/65
600V	HP	50/52
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

GA100A

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

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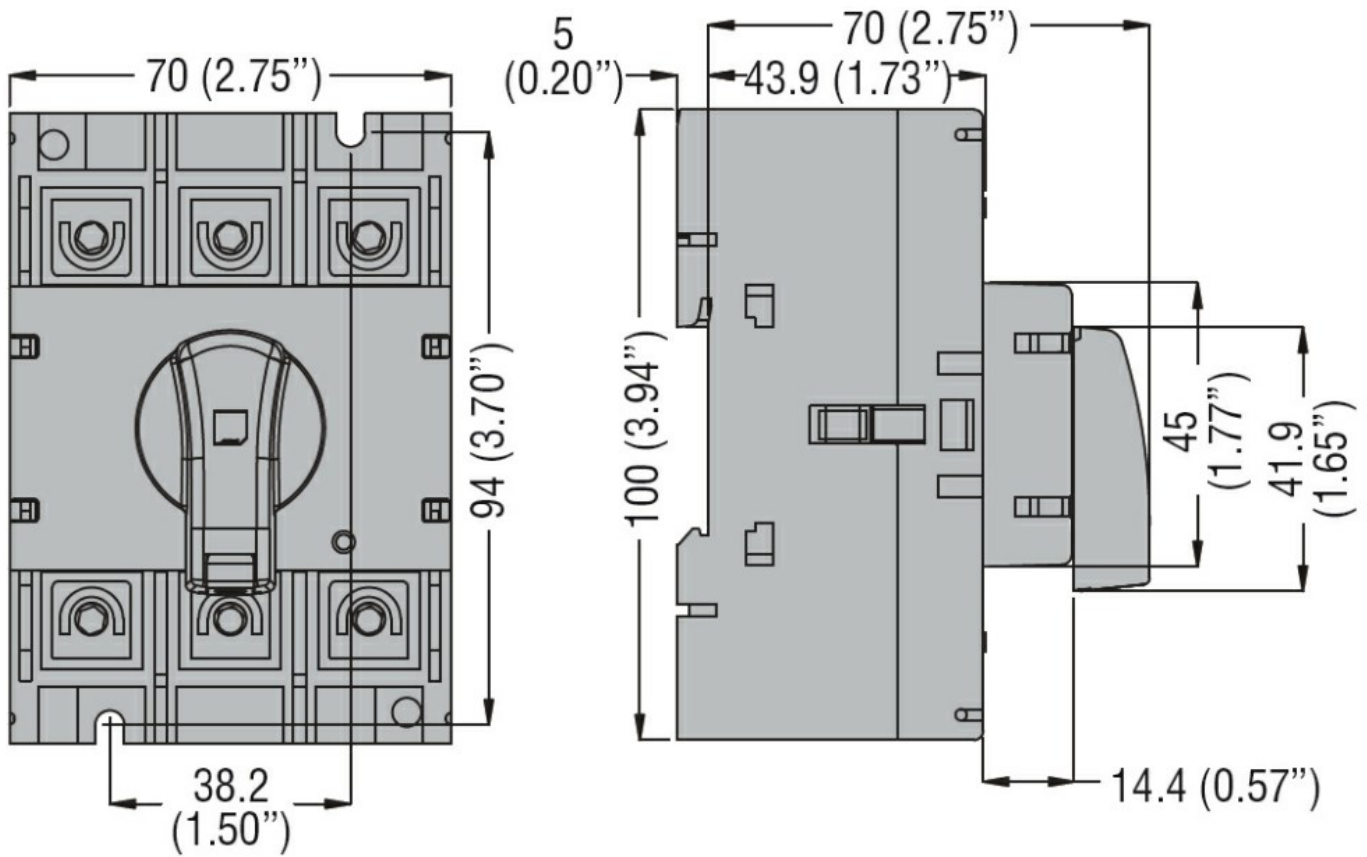
Wiring diagrams
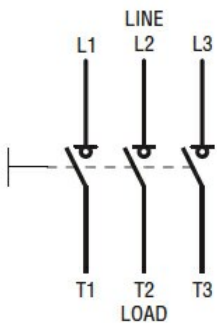
Certifications and compliance

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