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	16
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operating current Ie			
AC21A			
	400V	A	16
	500V	A	16
	690V	A	16
AC22A			
	400V	A	16
	500V	A	16
	690V	A	16
AC23A			
	400V	A	16
	500V	A	16
	690V	A	16
Power dissipation per pole max		W	0.2
Rated operational power AC23A			
	400V	kW	7.5
	690V	kW	11
Rated short time current (1s) Icw (rms)		kA	0.8
Conditional short-circuit current (rms)		kA	10
Short-circuit protection with fuse		Class/A	gG16
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		Vertical plan
	allowable		Any
Fixing			Screw / DIN rail 35mm
Terminals			
	type		Pillar
	width	mm	5.6
	height	mm	6.5
	screw		M4
	tool		Phillips 2

Tightening torque for terminals			
	min	Nm	1.8
	max	Nm	2
	min	Ibin	16
	max	Ibin	18

Conductor section			
	IEC min	mm²	0.75
	IEC max	mm²	16
	AWG/kcmil min		18
	AWG/kcmil max		6

UL technical data			
UL Standard			UL60947-4-1
General purpose current rating		A	16
Operating voltage max		V	600

Horsepower/FLA current three phase motor			
	240V	HP	5/15.2
	480V	HP	10/14
	600V	HP	10-Nov

Short circuit rating		kA rms	5
Short circuit rating with fuse		Class/A	RK5/30

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			

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36 (1.42") 5 (0.20") 70 (2.75") 43.9 (1.73")
74 (2.91") 22 (0.87") 78 (3.07") 32.5 (1.28") 45 (1.77") 14.2 (0.56")

Wiring diagrams

LINE
L1 L2 L3

T1 T2 T3
LOAD
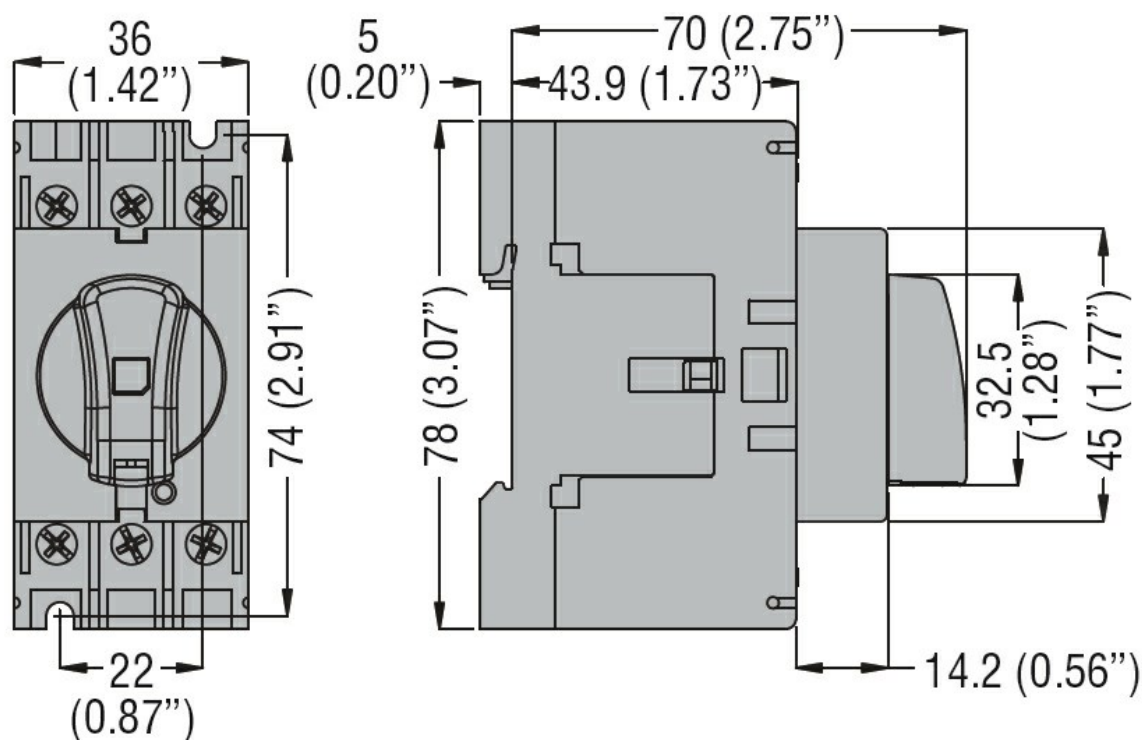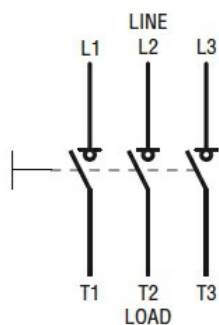
Certifications and compliance

Compliance

CSA C22.2 n°60947-4-1
IEC/EN 60947-1
IEC/EN 60947-3
UL60947-4-1

Certifications

CCC
CSA C22.2 n°60947-4-1
cULus according to UL60947-4-1
EAC
KEMA

ETIM classification

ETIM 8.0	EC000216 - Switch disconnector