Lovato electric
ENERGY AND AUTOMATION

Product designation			Rotary cam switches
Product type designation			GX20
General characteristics			
Switching diagram			55 - Changeover switch without 0 2 poles
N° of elements			2
Mounting form			U47 - Snap on fron mounting with black handle for hole diam. 22mm finxing
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	A	20
	UL/CSA	A	15
Rated operational voltage		V	440
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	A	20
	15kA	A	20
	25kA	A	20
Rated short time current Icw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current Ie IEC/EN			
AC1/AC21A			
		A	20
AC15			
	110V	A	10
	220/230V	A	8
	380/400V	A	6
	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	3.7
	380/440V	kW	5.5
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.75
	220/230V	kW	1.8
	380/440V	kW	3
Three-phase AC23A			
	220/230V	kW	4
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC23A			
	110V	kW	0.75
	220/230V	kW	2.2

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ROTARY CAM SWITCH GX SERIES, CHANGEOVER SWITCH WITHOUT 0, 2 POLES 20A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

			380/440V	kW	3.5
Rated operational current in DC					
	DC21A				
			48V	A	20
			60V	A	20
			110V	A	4
			220V	A	0.6
			440V	A	0.25
	DC23A (poles in series)				
			24V	A	20 (1)
			48V	A	20 (2)
			60V	A	20 (3)
			110V	A	10 (3)
			220V	A	8 (4)
	DC13				
			24V	A	20
			48V	A	16
			60V	A	12
			110V	A	1
			220V	A	0.4
			440V	A	0.15
Power dissipation				W	0.6

Mechanical features

Terminals screw				M3
Tightening torque for terminals max			Nm	0.8
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	1×10^6

UL technical data

Motor power for direct-on-line control				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	5
		600V	HP	5
	for single-phase motor			
		120V	HP	0.75
		240V	HP	1.5

Ambient conditions

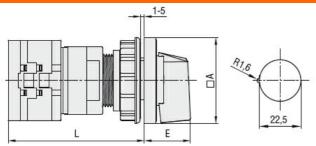|				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55

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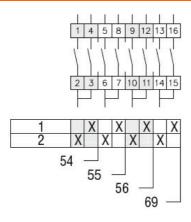
Storage temperature			
	min	°C	-40
	max	°C	+70

Resistance & Protection

Frontal IP degree	IP65
Terminals IP degree	IP20

Dimensions

Series	Dimensions		L			
	□A	E	1	2	3....8	
GX16	48	26.5	64.9	73.4	81.9	124.4
GX20	48	26.5	64.9	73.4	81.9	124.4

Wiring diagrams

Certifications and compliance

Compliance

CSA C22.2 n° 14
IEC/EN/BS 60947-1
IEC/EN/BS 60947-3
IEC/EN/BS 60947-5-1
IEC/EN/BS 61058-1
UL60947-4-1

Certificates

cULus
EAC

ETIM classification

ETIM 8.0	EC001029 - Selector switch, complete