

Product designation	Rotary cam switches
Product type designation	GX16
General characteristics	
Switching diagram	53 - Changeover switch 3 poles - 2 speed motor starting with separate windings
N° of elements	3
Mounting form	U47 - Snap on front mounting with black handle for hole diam. 22mm fixing
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 16
	UL/CSA A 12
Rated operational voltage	V 440
Rated operational impulse voltage	kV 4
Maximum fuse size for short-circuit protection In (gG)	
	10kA A 16
	15kA A 16
	25kA A 16
Rated short time current Icw	1s kA 250
Conductivity	10/5 mA/V
Operational current Ie IEC/EN	
AC1/AC21A	A 16
AC15	
	110V A 10
	220/230V A 8
	380/400V A 4
	660/690V A 1.5
Rated operational power in AC	
Three-phase AC-3	
	220/230V kW 3.5
	380/440V kW 4.5
	500/690V kW 5.5
Single-phase AC-3	
	110V kW 0.55
	220/230V kW 1.5
	380/440V kW 2.2
Three-phase AC23A	
	220/230V kW 3.7
	380/440V kW 6.5
	500/690V kW 7.5

Single-phase AC23A	110V	kW	0.75
	220/230V	kW	1.8
	380/440V	kW	3
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Rated operational current in DC			
DC21A			
	48V	A	16
	60V	A	16
	110V	A	4
	220V	A	0.6
	440V	A	0.25
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DC23A (poles in series)			
	24V	A	16 (1)
	48V	A	16 (2)
	60V	A	16 (3)
	110V	A	10 (3)
	220V	A	7 (4)
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DC13			
	24V	A	16
	48V	A	14
	60V	A	10
	110V	A	1
	220V	A	0.4
	440V	A	0.15
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Power dissipation		W	0.6
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Mechanical features			
Terminals screw			3M
Tightening torque for terminals max		Nm	0.5
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Conductor size			
AWG - Rigid cable			
	min	AWG	20
	Max	AWG	12
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AWG - Flexible cable			
	min	AWG	20
	Max	AWG	12
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Conductor size (IEC) - Flexible cable			
	min	mm ²	0.5
	Max	mm ²	2.5
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Conductor size (IEC) - Rigid cable			
	min	mm ²	0.5
	Max	mm ²	2.5
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Mechanical life		cycles	1X10 ⁶
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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
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for single-phase motor			
	120V	HP	0.75
	240V	HP	1
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Ambient conditions			
Temperature			

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

min	°C	-40
max	°C	+70

Resistance & Protection

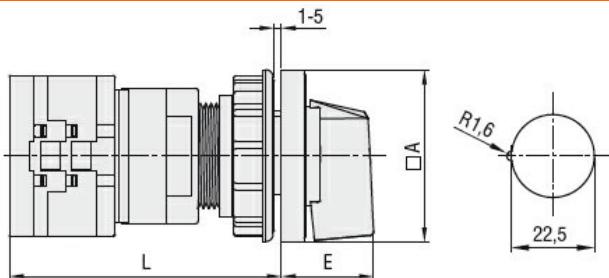
Frontal IP degree

IP65

Terminals IP degree

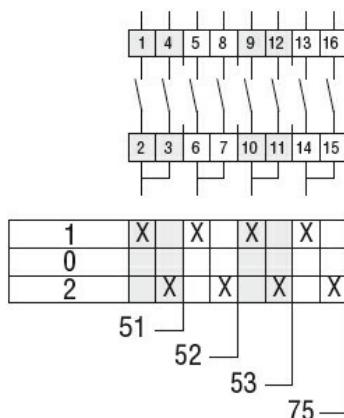
IP20

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

ROTARY CAM SWITCH GX SERIES, CHANGEOVER SWITCH 3 POLES 16A, FOR SNAP ON
FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE
48X48MM

ETIM 8.0

EC001029 -
Selector switch,
complete