

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				O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristics				
Rated insulation voltage U_i		IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage U_{imp}			kV	6
Conventional free air thermal current I_{th}		IEC/EN UL/CSA	A A	16 12
Rated operational voltage			V	440
Rated operational impulse voltage			kV	4
Maximum fuse size for short-circuit protection I_n (gG)		10kA 15kA 25kA	A A A	16 16 16
Rated short time current I_{cw}			1s kA	250
Conductivity				10/5 mA/V
Operational current I_e IEC/EN	AC1/AC21A		A	16
	AC15	110V 220/230V 380/400V 660/690V	A A A A	10 8 4 1.5
Rated operational power in AC	Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	3.5 4.5 5.5
	Single-phase AC-3	110V 220/230V 380/440V	kW kW kW	0.55 1.5 2.2
	Three-phase AC23A	220/230V 380/440V 500/690V	kW kW kW	3.7 6.5 7.5

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

Ambient conditions

Temperature

Operating temperature

min	°C	-25
max	°C	+55

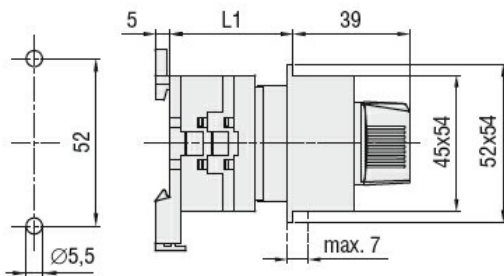
Storage temperature

min	°C	-40
max	°C	+70

Resistance & Protection

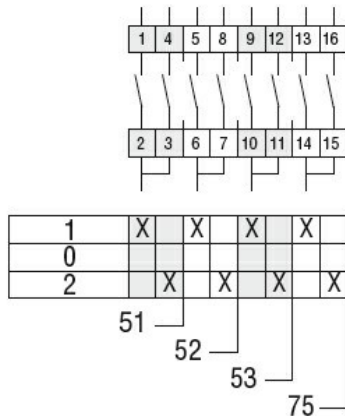
Frontal IP degree	IP65
Terminals IP degree	IP20

Dimensions



Series	L1		
	1	2	3
GX16	33	41.5	50
GX20	33	41.5	50

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

EC001105 - Off-
load switch