

General characteristics

Switching diagram	53 - Changeover switch 3 poles - 2 speed motor starting with separate windings
N° of elements	3
Mounting form	P - Plastic enclosure with black handle

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	40
	UL/CSA	A	40
Rated operational voltage		V	440
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA	A	40
	15kA	A	35
	25kA	A	35
Rated short time current Icw	1s	kA	1000
Conductivity			10/5 mA/V
Operational current Ie IEC/EN	AC1/AC21A		
		A	40
	AC15		
	110V	A	25
	220/230V	A	22
	380/400V	A	12
	660/690V	A	2
	Rated operational power in AC		
	Three-phase AC-3		
	220/230V	kW	7.5
	380/440V	kW	15
	500/690V	kW	15
	Single-phase AC-3		
	110V	kW	2.2
	220/230V	kW	4.4
	380/440V	kW	7
Three-phase AC23A	Single-phase AC23A		
	110V	kW	3
	220/230V	kW	5.2
	380/440V	kW	7.5
	Rated operational current in DC		

ENCLOSED ROTARY CAM SWITCH GX SERIES, CHANGEOVER SWITCH 3 POLES 40A IN
PLASTIC ENCLOSURE 110X110MM WITH BLACK HANDLE

DC21A

48V	A	40
60V	A	40
110V	A	6
220V	A	0.8
440V	A	0.25

DC23A (poles in series)

24V	A	40 (1)
48V	A	40 (1)
60V	A	40 (3)
110V	A	40 (3)
220V	A	12 (4)

DC13

24V	A	40
48V	A	32
60V	A	16
110V	A	3
220V	A	0.5
440V	A	0.15

Power dissipation W 1.6

Mechanical features

Terminals screw M4

Tightening torque for terminals max Nm 1.2

Conductor size

AWG - Rigid cable

min	AWG	16
Max	AWG	8

AWG - Flexible cable

min	AWG	16
Max	AWG	10

Conductor size (IEC) - Flexible cable

min	mm ²	1.5
Max	mm ²	6

Conductor size (IEC) - Rigid cable

min	mm ²	1.5
Max	mm ²	10

Mechanical life cycles 1X10⁶

UL technical data

Motor power for direct-on-line control

for three-phase motor

120V	HP	5
240V	HP	10
480V	HP	15
600V	HP	15

for single-phase motor

120V	HP	2
240V	HP	5

Ambient conditions

Temperature

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

min	°C	-40
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max °C +70

Resistance & Protection

Frontal IP degree IP65

Terminals IP degree IP20

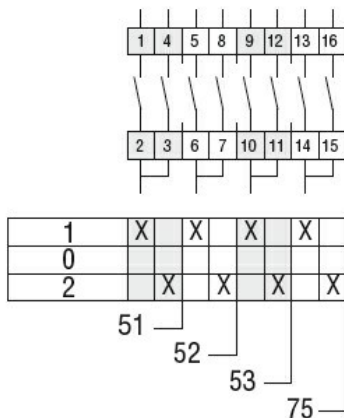
Dimensions

The figure displays four technical drawings of a rotary cam switch:

- Front View (Top Left):** Shows a square enclosure with side length N and mounting hole spacing A . The central cam has a radius R and a height F . The mounting holes are spaced L apart.
- Side View (Top Middle):** Shows the profile of the cam with a radius R and a height F . The mounting holes are spaced L apart.
- Top View (Top Right):** Shows the top of the enclosure with side length N and mounting hole spacing A . The central cam has a radius R and a height F . The mounting holes are spaced L apart.
- Bottom View (Bottom Left):** Shows the bottom of the enclosure with side length N and mounting hole spacing A . The central cam has a radius R and a height F . The mounting holes are spaced L apart.

Series	Enclosure size	Number of elements		Dimensions												Cable entry	Protection degree
		L	L1	A	A1	C	C1	D	F	M	N	L	L1				
GX1600	90x90	1-2	3-5	90	90	79	79	4.5	25	19	30	71.3	98.3	4xPG16	IP65		
GX2000	90x90	1-2	3-5														
GX16	110x110	1-3	4-7														
GX20		1-3	4-7														
GX3200		1-2	3-4	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65		
GX4000		1-2	3-4														

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

IEC/EN/BS 61058-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC001105 - Off-load switch