

GX1653U

## ROTARY CAM SWITCH GX SERIES, CHANGEOVER SWITCH 3 POLES 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product type designation   SCA16	Product designation				Rotary cam switches
Switching diagram         Separate would a provide a province of starting with a poles - 2 speed motor starting with separate windings           N° of elements         3           Mounting form         U - Front mounting with black handle           Contact characteristics           Rated insulation voltage Ui         IEC/EN V 600           Rated insulation voltage Uimp         kV 600           Conventional free air thermal current lth         IEC/EN A 16           Conventional free air thermal current lth         IEC/EN A 16           Rated operational voltage         kV 4           Rated operational impulse voltage         kV 4           Maximum fuse size for short-circuit protection in (gG)         10kA A 16           Rated short time current lcw         1 0kA A 16           Conductivity         1 0kA A 16           Conductivity         1 0kA A 16           AC1/AC21A         A 16 <td></td> <td></td> <td></td> <td></td> <td>GX16</td>					GX16
Switching diagram         switch in poles - 2 speed motor starting with separate windings         Speed motor starting with separate windings         N° of elements         3           Mounting form         U - Front mounting with black handle         U - Front mounting with black handle           Contact characteristics           Rated insulation voltage Uimp         V 600           Rated impulse withstand voltage Uimp         V 600           Conventional free air thermal current Ith         IEC/EN A 16           Rated operational voltage         V 440           Rated operational impulse voltage         V 440           Rated operational impulse voltage         V 440           Rated operational impulse voltage         V 440           Rated operational voltage Impulse voltage         V 440           Rated operational impulse voltage         V 440           Rated operational current Icw         1s kA 250           Conductivity         A 16           AC15           AC16           AC16           AC16           AC16           AC16           AC16           AC16 <td>General characteristics</td> <td></td> <td></td> <td></td> <td>50 01</td>	General characteristics				50 01
Mounting form					switch 3 poles - 2 speed motor starting with separate windings
Mounting form   Single-phase AC23A   Mounting with plants of the search of the searc	N° of elements				
Rated insulation voltage Ui   IEC/EN	Mounting form				mounting with
Conventional free air thermal current lth	Contact characteristics				
Material impulse withstand voltage Uimp	Rated insulation voltage	e Ui			
Rated impulse withstand voltage Uimp			IEC/EN	V	690
Conventional free air thermal current lith			UL/CSA	V	600
IEC/EN	Rated impulse withstar	nd voltage Uimp		kV	6
Rated operational voltage	Conventional free air th	nermal current Ith			
Rated operational voltage			IEC/EN	Α	16
Rated operational impulse voltage   KV   4			UL/CSA	Α	12
Maximum fuse size for short-circuit protection In (gG)  10kA A 16 15kA A 16 25kA A 16 25kA A 16  25kA A 16  25kA A 16  25kA A 16  25kA A 16  25kA A 16  25kA A 16  25kA A 16  25kA A 16  25kA A 16  AC16  Conductivity  Operational current le IEC/EN  AC1/AC21A  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 2.2  Three-phase AC23A  Single-phase AC23A  220/230V kW 3.7 380/440V kW 6.5 500/690V kW 7.5  Single-phase AC23A	Rated operational volta	age		V	440
10kA	Rated operational impu	ulse voltage		kV	4
15kA	Maximum fuse size for	short-circuit protection In (gG)			
Rated short time current Icw   1s				Α	
Rated short time current lcw					
1s			25kA	Α	16
Operational current le IEC/EN  AC1/AC21A  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 1.5 380/440V kW 2.2  Three-phase AC23A  220/230V kW 3.7 380/440V kW 6.5 500/690V kW 5.5	Rated short time currer	nt Icw	1s	kA	250
AC1/AC21A  AC15  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 1.5 380/440V kW 2.2  Three-phase AC23A  220/230V kW 3.7 380/440V kW 6.5 500/690V kW 5.5  Single-phase AC23A	Conductivity				10/5 mA/V
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 3.5 380/440V kW 6.5 500/690V kW 7.5  Single-phase AC23A	Operational current le	IEC/EN			
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 1.5 380/440V kW 2.2  Three-phase AC23A  220/230V kW 3.7 380/440V kW 2.5  Single-phase AC23A  220/230V kW 3.7 380/440V kW 6.5 500/690V kW 7.5		AC1/AC21A			
110V				Α	16
Rated operational power in AC   Three-phase AC-3		AC15			
Single-phase AC23A   Single-					
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					
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					
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			660/690V	Α	1.5
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	Rated operational pow				
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		Three-phase AC-3	000/000		0.5
Single-phase AC-3   110V   kW   0.55   220/230V   kW   1.5   380/440V   kW   2.2     220/230V   kW   3.7   380/440V   kW   6.5   500/690V   kW   7.5   Single-phase AC23A					
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 0.55 220/230V 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		0:1110-0	500/6907	KVV	5.5
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		Single-phase AU-3	4401	1.4.67	0.55
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					
Three-phase AC23A  220/230V kW 3.7 380/440V kW 6.5 500/690V kW 7.5  Single-phase AC23A					
220/230V kW 3.7 380/440V kW 6.5 500/690V kW 7.5 Single-phase AC23A		Three phase AC22A	38U/44UV	KVV	۷.۷
380/440V kW 6.5 500/690V kW 7.5 Single-phase AC23A		Tillee-pilase ACZSA	220/2201/	<b>L///</b>	3 7
Single-phase AC23A 500/690V kW 7.5					
Single-phase AC23A					
· · · · · · · · · · · · · · · · · · ·		Single-phase AC23A	300/090V	r. v v	1.0
		Single-phase AO23A	110V	kW	0.75



## ROTARY CAM SWITCH GX SERIES, CHANGEOVER SWITCH 3 POLES 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

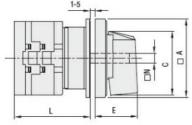
		000/0001/		4.0
		220/230V	kW	1.8
<del>D</del> ( )	DO	380/440V	kW	3
Rated operational curr				
	DC21A	401/	Δ.	4.0
		48V	A	16
		60V	A	16
		110V	A	4
		220V	A	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	Α	16 (1)
		48V	Α	16 (2)
		60V	Α	16 (3)
		110V	Α	10 (3)
		220V	Α	7 (4)
	DC13			
		24V	Α	16
		48V	Α	14
		60V	Α	10
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.6
Mechanical features				
Terminals screw				3M
Tightening torque for t	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	g	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	Wich	71110	12
	Tivio i loxible cable	min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable	IVICA	AVVO	12
	Conductor size (ILC) - I lexible cable	min	mm²	0.5
	Conductor size (IEC) - Rigid cable	Max	mm²	2.5
	Conductor Size (IEC) - Rigid Cable	!_	mm²	0.5
		min	mm²	0.5
Marahanitiratil		Max	mm²	2.5
Mechanical life			cycles	1X10 <sup>6</sup>
UL technical data	on line central			
Motor power for direct				
	for three-phase motor	40017	LID.	4.5
		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

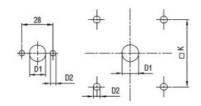


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	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP65
Terminals IP degree			IP20

# Dimensions

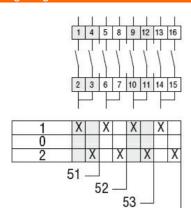




Drillings for 4 screws fixing (4V version).

Series -	Dimensions						L Number of elements												
	□A	C	ØD1	ØD2	Е	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
GX16	48	39.5	12	5	26.5	36	6	43	51.5	60	68.5	77	85.5	94	102.5	111	119.5	128	136.5
GX20	48	39.5	12	5	26.5	36	6	43	51.5	60	68.5	77	85.5	94	102.5	111	119.5	128	136.5
GX32	65	53	14	5	34.5	48	7	51	63	75	85	99	111	123	135	147	159	171	183
GX40	65	53	14	5	34.5	48	7	51	63	75	85	99	111	123	135	147	159	171	183

### Wiring diagrams



#### Certifications and compliance

Compliance

CSA C22.2 n° 14

75 -

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 - Offload switch