**ENERGY AND AUTOMATION** 

## electric ROTARY CAM SWITCH GX SERIES, MULTI-STEP 1-2-3, 1 POLE 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation			GX16
General characteristics			
Switching diagram			82 - Multi-step 1- 2-3 1 pole
N° of elements			2
Mounting form			U - Front mounting with black handle
Contact characteristics			Sidor Harraro
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	150/51		4.0
	IEC/EN UL/CSA	A	16 12
Rated operational voltage	UL/C5A	A V	440
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		100	'
(90)	10kA	Α	16
	15kA	Α	16
	25kA	Α	16
Rated short time current lcw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		Α	16
AC15			10
AOTO	110V	Α	10
	220/230V	Α	8
	380/400V	Α	4
	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3	000/000/		
	220/230V	kW	3.5
	380/440V 500/690V	kW kW	4.5 5.5
Single-phase AC-3	300/090 V	KVV	3.3
Olligie pliase AO 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
<del></del>	500/690V	kW	7.5
Single-phase AC23A	4401	1 147	0.75
	110V	kW	0.75
	220/230V 380/440V	kW kW	1.8
Rated operational current in DC	30U/44UV	r v v	3

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	DC21A			
	DOZTA	48V	Α	16
		60V	A	16
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	440 V		0.20
	DOZOA (poles ili selles)	24V	Α	16 (1)
		48V	A	16 (2)
		60V	A	16 (3)
		110V	A	10 (3)
		220V	A	7 (4)
	DC13	220 V		7 (4)
	5010	24V	Α	16
		48V	A	14
		60V	A	10
		110V	A	1
		220V		
			A	0.4
Dawer dissination		440V	A W	0.15
Power dissipation  Mechanical features			VV	0.6
Terminals screw				3M
	arminala may		Nm	0.5
Tightening torque for te	errillias max		INIII	0.5
Conductor size	ANO Divides bla			
	AWG - Rigid cable		A1A/O	00
		min	AWG	20
	AWG - Flexible cable	Max	AWG	12
	AVVG - Flexible cable			
			A \ A \ C	00
		min	AWG	20
		min Max	AWG AWG	20 12
	Conductor size (IEC) - Flexible cable	Max	AWG	12
		Max min	AWG	0.5
	Conductor size (IEC) - Flexible cable	Max	AWG	12
		Max min Max	AWG mm² mm²	0.5 2.5
	Conductor size (IEC) - Flexible cable	Max min Max min	AWG  mm²  mm²  mm²	0.5 2.5 0.5
Mashaniaallifa	Conductor size (IEC) - Flexible cable	Max min Max	MMG  mm² mm²  mm²  mm²	0.5 2.5 0.5 2.5
Mechanical life	Conductor size (IEC) - Flexible cable	Max min Max min	AWG  mm²  mm²  mm²	0.5 2.5 0.5
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min	MMG  mm² mm²  mm²  mm²	0.5 2.5 0.5 2.5
	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  con-line control	Max min Max min	MMG  mm² mm²  mm²  mm²	0.5 2.5 0.5 2.5
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max	MMG  mm² mm²  mm²  mm²  cycles	0.5 2.5 0.5 2.5 1X10 <sup>6</sup>
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  con-line control	Max min Max min Max	AWG  mm² mm²  mm² cycles	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup>
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  con-line control	Max min Max min Max	AWG  mm² mm²  mm² cycles  HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  con-line control	Max min Max min Max  120V 240V 480V	MWG  mm² mm² mm² cycles  HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	Max min Max min Max	AWG  mm² mm²  mm² cycles  HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  con-line control	min Max min Max 120V 240V 480V 600V	MWG  mm² mm² mm² cycles  HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	Max min Max min Max  120V 240V 480V 600V	AWG  mm² mm² mm² cycles  HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5
UL technical data Motor power for direct-	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	min Max min Max 120V 240V 480V 600V	MWG  mm² mm² mm² cycles  HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5
UL technical data Motor power for direct-	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	Max min Max min Max  120V 240V 480V 600V	AWG  mm² mm² mm² cycles  HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5
UL technical data Motor power for direct-	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  con-line control for three-phase motor  for single-phase motor	Max min Max min Max  120V 240V 480V 600V	AWG  mm² mm² mm² cycles  HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5
UL technical data Motor power for direct-	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	Max min Max min Max  120V 240V 480V 600V  120V 240V	AWG  mm² mm² mm² cycles  HP HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 0.75 1
UL technical data Motor power for direct-	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  con-line control for three-phase motor  for single-phase motor	Max min Max min Max  120V 240V 480V 600V  120V 240V	AWG  mm² mm² mm² cycles  HP HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 0.75 1
UL technical data Motor power for direct-	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  con-line control for three-phase motor  for single-phase motor  Operating temperature	Max min Max min Max  120V 240V 480V 600V  120V 240V	AWG  mm² mm² mm² cycles  HP HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 0.75 1
UL technical data Motor power for direct-	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  con-line control for three-phase motor  for single-phase motor	Max min Max min Max  120V 240V 480V 600V  120V 240V	AWG  mm² mm² mm² cycles  HP HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 0.75 1

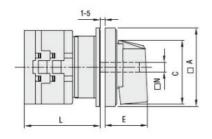


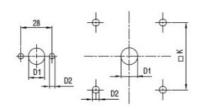
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WITH BLACK HANDLE, FRONT PLATE 48X48MM

	max	°C.	+/0
Resistance & Protection			
Frontal IP degree			IP65
Terminals IP degree	•		IP20
Dimensions			

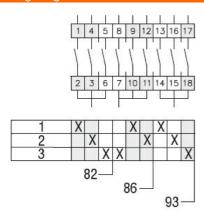




Drillings for 4 screws fixing (4V version).

Corios	Dimensions							L Number of elements											
Series	□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

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