**ENERGY AND AUTOMATION** 

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

Product designation			Rotary cam switches
Product type designation			GX16
General characteristics			
Switching diagram			07 - ON/OFF switch 3 poles
N° of elements			2
Mounting form			U - Front mounting with black handle
Contact characteristics			Diagramana
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	Α	16
	UL/CSA	Α	12
Rated operational voltage		V	440
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	401.4		40
	10kA 15kA	A A	16 16
	25kA	A	16
Rated short time current Icw	ZJRA		10
reaced short time current low	1s	kA	250
Conductivity	10	10 (	10/5 mA/V
Operational current le IEC/EN			. 0, 0 4 .
AC1/AC21A			
		Α	16
AC15			
	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			
	220/230V	kW	3.5
	380/440V	kW	4.5
Cinale phase AC C	500/690V	kW	5.5
Single-phase AC-3	110\/	<b> </b> ////	0.55
	110V 220/230V	kW kW	0.55 1.5
	380/440V	kW	2.2
Three-phase AC23A	300/4401	IX V V	L.L
Τίπου μπασυ πολοπ	220/230V	kW	3.7
	380/440V	kW	6.5
	500/690V	kW	7.5
Single-phase AC23A	<u> </u>		
	110V	kW	0.75
	220/230V	kW	1.8
	380/440V	kW	3

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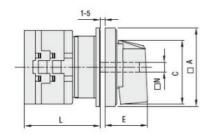
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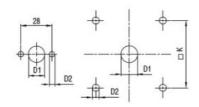
	DC04 A				
	DC21A	401/	^	4.0	
		48V	A	16	
		60V	A	16	
		110V	A	4	
		220V 440V	A A	0.6 0.25	
	DC23A (poles in series)	440 V		0.23	
	DOZOA (poles ili series)	24V	Α	16 (1)	
		48V	A	16 (1)	
		60V	A	16 (2)	
		110V	A	10 (3)	
		220V	A	7 (4)	
	DC13	220 V		7 (4)	
	0010	24V	Α	16	
		48V	A	14	
		60V	A	10	
		110V	A		
		220V		1	
			A	0.4	
D " ' '		440V	Α	0.15	
Power dissipation			W	0.6	
Mechanical features				ON 4	
Terminals screw	medicals as as		Nima	3M	
Tightening torque for te	rminals 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	Max	AWG		
	Conductor size (IEC) - Flexible cable	Max min	AWG mm²	0.5	
	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	min	mm²	0.5	
		min	mm²	0.5	
		min Max	mm² mm²	0.5 2.5	
Mechanical life		min Max min	mm² mm²	0.5 2.5 0.5	
Mechanical life UL technical data		min Max min	mm² mm² mm² mm²	0.5 2.5 0.5 2.5	
	Conductor size (IEC) - Rigid cable	min Max min	mm² mm² mm² mm²	0.5 2.5 0.5 2.5	
UL technical data	Conductor size (IEC) - Rigid cable	min Max min	mm² mm² mm² mm²	0.5 2.5 0.5 2.5	
UL technical data	Conductor size (IEC) - Rigid cable on-line control	min Max min	mm² mm² mm² mm²	0.5 2.5 0.5 2.5	
UL technical data	Conductor size (IEC) - Rigid cable on-line control	min Max min Max	mm² mm² mm² mm² cycles	0.5 2.5 0.5 2.5 1X10 <sup>6</sup>	
UL technical data	Conductor size (IEC) - Rigid cable on-line control	min Max min Max	mm² mm² mm² mm² cycles	0.5 2.5 0.5 2.5 1X10 <sup>6</sup>	
UL technical data	Conductor size (IEC) - Rigid cable on-line control	min Max min Max 120V 240V	mm² mm² mm² cycles	0.5 2.5 0.5 2.5 1X10 <sup>6</sup>	
UL technical data	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	min Max min Max 120V 240V 480V	mm² mm² mm² cycles	0.5 2.5 0.5 2.5 1X10 <sup>6</sup>	
UL technical data	Conductor size (IEC) - Rigid cable on-line control	min Max min Max 120V 240V 480V 600V	mm² mm² mm² cycles	0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5	
UL technical data	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	min Max min Max 120V 240V 480V	mm² mm² mm² cycles	0.5 2.5 0.5 2.5 1X10 <sup>6</sup>	
UL technical data	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	min Max min Max 120V 240V 480V 600V	mm² mm² mm² cycles  HP HP HP HP HP	0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5	
UL technical data Motor power for direct-order  Ambient conditions	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	min Max min Max 120V 240V 480V 600V	mm² mm² mm² cycles  HP HP HP HP HP	0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5	
UL technical data Motor power for direct-o	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor  for single-phase motor	min Max min Max 120V 240V 480V 600V	mm² mm² mm² cycles  HP HP HP HP HP	0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5	
UL technical data Motor power for direct-order  Ambient conditions	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	min Max min Max 120V 240V 480V 600V 120V 240V	mm² mm² mm² cycles	0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5	
UL technical data Motor power for direct-order  Ambient conditions	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor  for single-phase motor	min Max min Max 120V 240V 480V 600V	mm² mm² mm² cycles  HP HP HP HP HP	0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5 0.75 1	
UL technical data Motor power for direct-order  Ambient conditions	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor  for single-phase motor  Operating temperature	min Max min Max 120V 240V 480V 600V 120V 240V	mm² mm² mm² cycles  HP HP HP HP HP HP	0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5	
UL technical data Motor power for direct-order  Ambient conditions	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor  for single-phase motor	min Max min Max 120V 240V 480V 600V 120V 240V	mm² mm² mm² cycles  HP HP HP HP HP HP	0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5 0.75 1	

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	max °C	+70
Resistance & Protection		
Frontal IP degree		IP65
Terminals IP degree		IP20
Dimensions		

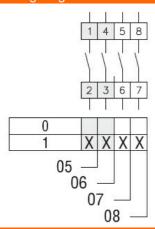




Drillings for 4 screws fixing (4V version).

Series	Dimensions						L Number of elements												
Selles	□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