

## **GX1603U** ROTARY CAM SWITCH GX SERIES, ON-OFF SPRING RETURN SWITCH 3 POLES 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



Product designation			Rotary cam
C C			switches
Product type designation General characteristics			GX16
			03 - ON/OFF
Switching diagram			spring return
			switch 3 poles
N° of elements			2
			U - Front
Mounting form			mounting with black handle
Contact characteristics			DIACK HANDLE
Rated insulation voltage Ui			
5	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	А	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)			
	10kA	A	16
	15kA	A	16
Datad abort time gurrant law	25kA	A	16
Rated short time current Icw	1s	kA	250
Conductivity	15	ĸА	 10/5 mA/V
Operational current le IEC/EN			10/3 11/4/ 0
AC1/AC21A			
		А	16
AC15			
	110V	А	10
	220/230V	А	8
	380/400V	А	4
	660/690V	А	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			0.55
	110V	kW	0.55
	220/230V	kW kW	1.5
	380/440V	kW	2.2

Three-phase AC23A

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		220/230V	kW	3.7
		380/440V	kW	6.5
		500/690V	kW	7.5
	Single-phase AC23A			
	g	110V	kW	0.75
		220/230V	kW	1.8
		380/440V	kW	3
Rated operational cur	rrent in DC			<u> </u>
rated operational ear	DC21A			
	202111	48V	А	16
		60V	A	16
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC22A (palas in spring)	440 V	~	0.25
	DC23A (poles in series)	24V	۸	16 (1)
			A	16 (1) 16 (2)
		48V	A	16 (2) 16 (2)
		60V	A	16 (3) 10 (2)
		110V	A	10 (3)
		220V	A	7 (4)
	DC13	<b>-</b>	-	
		24V	Α	16
		48V	A	14
		60V	А	10
		110V	A	1
		220V	А	0.4
		440V	Α	0.15
Power dissipation			W	0.6
Mechanical features				
Mechanical features Terminals screw				3M
	terminals max		Nm	3M 0.5
Terminals screw	terminals max		Nm	
Terminals screw Tightening torque for			Nm	
Terminals screw Tightening torque for	terminals max AWG - Rigid cable	min		0.5
Terminals screw Tightening torque for		min Max	AWG	0.5
Terminals screw Tightening torque for	AWG - Rigid cable	min Max		0.5
Terminals screw Tightening torque for		Max	AWG AWG	0.5 20 12
Terminals screw Tightening torque for	AWG - Rigid cable	Max min	AWG AWG AWG	0.5 20 12 20
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max	AWG AWG	0.5 20 12
Terminals screw Tightening torque for	AWG - Rigid cable	Max min Max	AWG AWG AWG AWG	0.5 20 12 20 12
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG mm <sup>2</sup>	0.5 20 12 20 12 0.5
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG AWG	0.5 20 12 20 12
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup>	0.5 20 12 20 12 0.5 2.5
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup>	0.5 20 12 20 12 0.5 2.5 0.5
Terminals screw Tightening torque for Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	0.5 20 12 20 12 0.5 2.5 0.5 2.5
Terminals screw Tightening torque for Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup>	0.5 20 12 20 12 0.5 2.5 0.5
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min	AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	0.5 20 12 20 12 0.5 2.5 0.5 2.5
Terminals screw Tightening torque for Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min	AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	0.5 20 12 20 12 0.5 2.5 0.5 2.5
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	0.5 20 12 20 12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup>
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V	AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	0.5 20 12 20 12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	0.5 20 12 20 12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V 480V	AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	0.5 20 12 20 12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable    AWG - Flexible cable   Conductor size (IEC) - Flexible cable   Conductor size (IEC) - Rigid cable   t-on-line control for three-phase motor	Max min Max min Max min Max	AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	0.5 20 12 20 12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3
Terminals screw Tightening torque for Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V 480V	AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	0.5 20 12 20 12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5

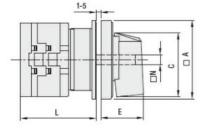
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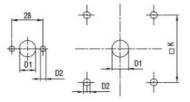


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		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protecti	bn			
Frontal IP degree				IP65
Terminals IP degree				IP20

## Dimensions

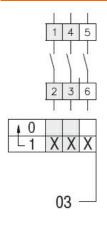




Drillings for 4 screws fixing (4V version).

Series	Dimensions						L Number of elements												
Selles	□A	С	ØD1	ØD2	E	□K	۵N	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



Certificatio	ons and compliance	
Complian	ce	
	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	
Certificate	S	
	cULus	
	EAC	
GX1603U	The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and	3 / 4

functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



ETIM classification

ETIM 8.0

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> EC001029 -Selector switch, complete

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