

GX16970 ROTARY CAM SWITCH GX SERIES, AMMETER SWITCH 16A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation			GX16
General characteristics			
Switching diagram			97 - Ammeter switch
N° of elements			5
Mounting form			O - Rear mounting with black handle
Contact characteristics			black 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	А	12
Rated operational voltage		V	440
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	16
	15kA	А	16
	25kA	Α	16
Rated short time current Icw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		A	16
AC15	1101	•	10
	110V	A	10
	220/230V	A	8
	380/400V 660/690V	A A	4 1.5
Rated operational power in AC	000/090 v	A	1.5
Three-phase AC-3			
Theo phase AC-5	220/230V	kW	3.5
	380/440V	kW	4.5
	500/690V	kW	5.5
Single-phase AC-3	220,000 1		
	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	0.75
	220/230V	kW	1.8
	380/440V	kW	3

Rated operational current in DC

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ENERGY AND AUTOMATION

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	DC21A				
		48V	А	16	
		60V	А	16	
		110V	Α	4	
		220V	А	0.6	
		440V	А	0.25	
	DC23A (poles in series)				
		24V	А	16 (1)	
		48V	A	16 (2)	
		60V	A	16 (3)	
		110V	A	10 (3)	
		220V	A	7 (4)	
	DC13	2201		1 (-)	
	0015	24V	А	16	
		24 V 48 V		14	
			A		
		60V	A	10 1	
		110V	A	1	
		220V	A	0.4	
		440V	A	0.15	
Power dissipation			W	0.6	
Mechanical features					
Terminals screw				3M	
Tightening torque for te	erminals max		Nm	0.5	
Conductor size					
	AWG - Rigid cable				
	5	min	AWG	20	
		Max	AWG	12	
	AWG - Flexible cable				
		min	AWG	20	
		min Max	AWG AWG	20 12	
		min Max	AWG AWG	20 12	
	Conductor size (IEC) - Flexible cable	Max	AWG	12	
		Max min	AWG	12 0.5	
	Conductor size (IEC) - Flexible cable	Max	AWG	12	
		Max min Max	AWG mm² mm²	12 0.5 2.5	
	Conductor size (IEC) - Flexible cable	Max min Max min	AWG mm ² mm ² mm ²	12 0.5 2.5 0.5	
	Conductor size (IEC) - Flexible cable	Max min Max	AWG mm ² mm ² mm ²	12 0.5 2.5 0.5 2.5	
Mechanical life	Conductor size (IEC) - Flexible cable	Max min Max min	AWG mm ² mm ² mm ²	12 0.5 2.5 0.5	
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min	AWG mm ² mm ² mm ²	12 0.5 2.5 0.5 2.5	
	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min	AWG mm ² mm ² mm ²	12 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	AWG mm² mm² mm² cycles	12 0.5 2.5 0.5 2.5 1X10 ⁶	
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG mm² mm² mm² cycles	12 0.5 2.5 0.5 2.5 1X10 ⁶	
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V 240V	AWG mm² mm² mm² cycles HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3	
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V 240V 480V	AWG mm² mm² mm² cycles HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 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 120V 240V	AWG mm² mm² mm² cycles HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3	
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V 240V 480V	AWG mm² mm² mm² cycles HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 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 120V 240V 480V	AWG mm² mm² mm² cycles HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 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 120V 240V 480V 600V	AWG mm² mm² cycles HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 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 240V 480V 600V	AWG mm² mm² cycles HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5 5 0.75	
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 240V 480V 600V	AWG mm² mm² cycles HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5 5 0.75	
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable -on-line control for three-phase motor for single-phase motor	Max min Max min Max 120V 240V 240V 480V 600V	AWG mm² mm² cycles HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5 5 0.75	
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 cycles HP HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5 5 0.75 1	
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable -on-line control for three-phase motor for single-phase motor	Max min Max min Max 120V 240V 480V 600V 120V 240V	AWG mm² mm² cycles HP HP HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5 0.75 1 -25	
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable -on-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 cycles HP HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5 5 0.75 1	
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable -on-line control for three-phase motor for single-phase motor	Max min Max min Max 120V 240V 480V 600V 120V 240V	AWG mm² mm² cycles HP HP HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5 0.75 1 -25	

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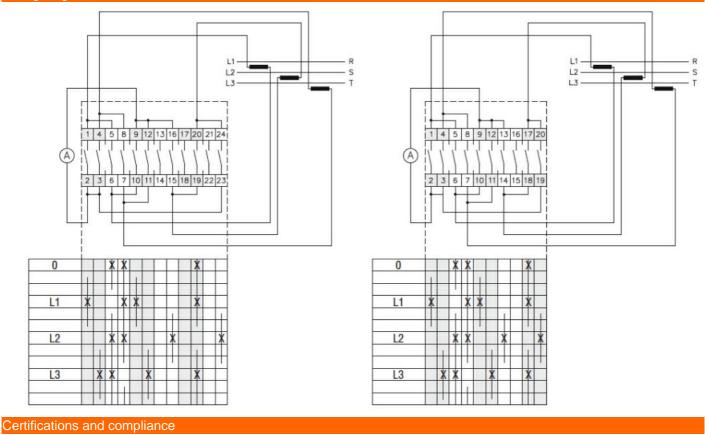
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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Wiring diagrams



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

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