

## **GX2090048** ROTARY CAM SWITCH GX SERIES, ON-OFF SWITCH 1 POLE 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM



Product designation			Rotary cam
-			switches
Product type designation			GX20
General characteristics			90 - ON/OFF
Switching diagram			switch 1 pole
N° of elements			1
			O48 - Modular
			service cover for
Mounting form			35mm din rail
			mounting with black handle
Contact characteristics			DIACK NANDIE
Rated insulation voltage Ui			
rated institution voltage of	IEC/EN	V	690
	UL/CSA	v	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	А	20
	UL/CSA	Α	15
Rated operational voltage		V	440
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	A	20
	15kA	A	20
Rated short time current Icw	25kA	A	20
Rated short time current icw	1s	kA	250
Conductivity	13	<u>кл</u>	 10/5 mA/V
Operational current le IEC/EN			10/3 11/7/ 1
AC1/AC21A			
		А	20
AC15			
	110V	А	10
	220/230V	А	8
	380/400V	А	6
	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3	000/0001/		o <b>-</b>
	220/230V	kW	3.7 5.5
	380/440V 500/690V	kW kW	5.5 5.5
Single-phase AC-3	000/090V	r v v	5.5
Single-pilase AC-s	110V	kW	0.75
	220/230V	kW	1.8
	380/440V	kW	3



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ROTARY CAM SWITCH GX SERIES, ON-OFF SWITCH 1 POLE 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM Three-phase AC23A 220/230V kW 4 380/440V kW 7.5

	380/440V	KVV	7.5
	500/690V	kW	7.5
Single-phase AC23A			
Single-phase ACZSA			0.75
	110V	kW	0.75
	220/230V	kW	2.2
	380/440V	kW	3.5
Rated operational current in DC			
DC21A			
DOZIA	40\/	۸	20
	48V	А	20
	60V	А	20
	110V	A	4
	220V	А	0.6
	440V	А	0.25
DC23A (poles in series)			0.20
DOZSA (poles in series)	0.417	^	00 (4)
	24V	A	20 (1)
	48V	А	20 (2)
	60V	А	20 (3)
	110V	А	10 (3)
	220V	А	8 (4)
DC13	2201		- ( ')
0013	0414	۸	20
	24V	А	20
	48V	А	16
	60V	А	12
	110V	А	1
	220V	Α	0.4
	220V 440V	A A	0.4 0.15
Power dissipation	220V 440V	А	0.15
Power dissipation			
Mechanical features		А	0.15 0.6
Mechanical features Terminals screw		A W	0.15 0.6 M3
Mechanical features		А	0.15 0.6
Mechanical features Terminals screw		A W	0.15 0.6 M3
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size		A W	0.15 0.6 M3
Mechanical features   Terminals screw   Tightening torque for terminals max	440V	A W Nm	0.15 0.6 M3 0.8
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size	440V	A W Nm AWG	0.15 0.6 M3 0.8 20
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size   AWG - Rigid cable	440V	A W Nm	0.15 0.6 M3 0.8
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size	440V	A W Nm AWG	0.15 0.6 M3 0.8 20
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size   AWG - Rigid cable	440V	A W Nm AWG	0.15 0.6 M3 0.8 20
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size   AWG - Rigid cable	440V min Max	A W Nm AWG AWG	0.15 0.6 M3 0.8 20 12
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size   AWG - Rigid cable   AWG - Flexible cable	440V min Max min	A W Nm AWG AWG	0.15 0.6 M3 0.8 20 12 20
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size   AWG - Rigid cable	440V min Max min Max	A W Nm AWG AWG AWG	0.15 0.6 M3 0.8 20 12 20 12
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size   AWG - Rigid cable   AWG - Flexible cable	440V min Max min Max min	A W Nm AWG AWG AWG AWG AWG	0.15 0.6 M3 0.8 20 12 20 12 0.5
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size   AWG - Rigid cable   AWG - Flexible cable   Conductor size (IEC) - Flexible cable	440V min Max min Max	A W Nm AWG AWG AWG	0.15 0.6 M3 0.8 20 12 20 12
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size   AWG - Rigid cable   AWG - Flexible cable	440V min Max min Max min	A W Nm AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup>	0.15 0.6 M3 0.8 20 12 20 12 20 12 0.5 2.5
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size   AWG - Rigid cable   AWG - Flexible cable   Conductor size (IEC) - Flexible cable	440V min Max min Max min	A W Nm AWG AWG AWG AWG AWG	0.15 0.6 M3 0.8 20 12 20 12 0.5
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size   AWG - Rigid cable   AWG - Flexible cable   Conductor size (IEC) - Flexible cable	440V min Max min Max	A W Nm AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup>	0.15 0.6 M3 0.8 20 12 20 12 20 12 0.5 2.5 0.5
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size   AWG - Rigid cable   AWG - Flexible cable   Conductor size (IEC) - Flexible cable   Conductor size (IEC) - Rigid cable	440V min Max min Max min Max min min	A W Nm AWG AWG AWG AWG Mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	0.15 0.6 M3 0.8 20 12 20 12 20 12 0.5 2.5 0.5 2.5
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size   AWG - Rigid cable   AWG - Flexible cable   Conductor size (IEC) - Flexible cable   Conductor size (IEC) - Rigid cable   Mechanical life	440V min Max min Max min Max min min	A W Nm AWG AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup>	0.15 0.6 M3 0.8 20 12 20 12 20 12 0.5 2.5 0.5
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size   AWG - Rigid cable   AWG - Flexible cable   Conductor size (IEC) - Flexible cable   Conductor size (IEC) - Rigid cable   Mechanical life   UL technical data	440V min Max min Max min Max min min	A W Nm AWG AWG AWG AWG Mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	0.15 0.6 M3 0.8 20 12 20 12 20 12 0.5 2.5 0.5 2.5
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size   AWG - Rigid cable   AWG - Flexible cable   Conductor size (IEC) - Flexible cable   Conductor size (IEC) - Rigid cable   Mechanical life   UL technical data   Motor power for direct-on-line control	440V min Max min Max min Max min min	A W Nm AWG AWG AWG AWG Mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	0.15 0.6 M3 0.8 20 12 20 12 20 12 0.5 2.5 0.5 2.5
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size   AWG - Rigid cable   AWG - Flexible cable   Conductor size (IEC) - Flexible cable   Conductor size (IEC) - Rigid cable   Mechanical life   UL technical data	440V min Max min Max min Max min min	A W Nm AWG AWG AWG AWG Mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	0.15 0.6 M3 0.8 20 12 20 12 20 12 0.5 2.5 0.5 2.5
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size   AWG - Rigid cable   AWG - Flexible cable   Conductor size (IEC) - Flexible cable   Conductor size (IEC) - Rigid cable   Mechanical life   UL technical data   Motor power for direct-on-line control	440V min Max min Max min Max min min	A W Nm AWG AWG AWG AWG Mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	0.15 0.6 M3 0.8 20 12 20 12 20 12 0.5 2.5 0.5 2.5
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size   AWG - Rigid cable   AWG - Flexible cable   Conductor size (IEC) - Flexible cable   Conductor size (IEC) - Rigid cable   Mechanical life   UL technical data   Motor power for direct-on-line control	440V min Max min Max min Max 120V	A W Nm AWG AWG AWG AWG Mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	0.15 0.6 M3 0.8 20 12 20 12 20 12 20 12 0.5 2.5 0.5 2.5 0.5 2.5 1X10 <sup>6</sup>
Mechanical features   Terminals screw   Tightening torque for terminals max   Conductor size   AWG - Rigid cable   AWG - Flexible cable   Conductor size (IEC) - Flexible cable   Conductor size (IEC) - Rigid cable   Mechanical life   UL technical data   Motor power for direct-on-line control	440V min Max min Max min Max	A W Nm AWG AWG AWG AWG AWG Mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	0.15 0.6 M3 0.8 20 12 20 12 20 12 0.5 2.5 0.5 2.5 0.5 2.5 1X10 <sup>6</sup>

for single-phase motor

600V

ΗP

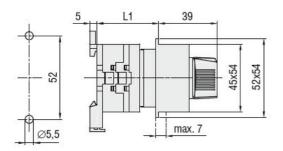
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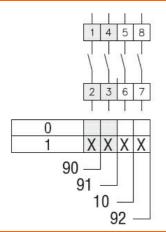
		120V	HP	0.75
		240V	HP	1.5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protect	ion			
Frontal IP degree				IP65
Terminals IP degree				IP20

## **Dimensions**



Cariaa	L1			
Series	1 2		3	
GX16	33	41.5	50	
GX20	33	41.5	50	

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	

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ENERGY AND AUTOMATION

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Certificates		
	cULus	
	EAC	
ETIM classification	n	
		EC001029 -

**ETIM 8.0** 

EC001029 -Selector switch, complete