**ENERGY AND AUTOMATION** 



Product designation			Rotary cam
•			switches GX20
Product type designation  General characteristics			GA20
			92 - ON/OFF
Switching diagram			switch 4 poles
N° of elements			2
			U - Front
Mounting form			mounting with
			black handle
Contact characteristics			
Rated insulation voltage Ui	IEO/EN		000
	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp	UL/C5A	kV	6
Conventional free air thermal current Ith		ĸ٧	U
Johnstillonal liee all tricinial curretit till	IEC/EN	Α	20
	UL/CSA	A	15
Rated operational voltage	00,007	V	440
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
(3 c)	10kA	Α	20
	15kA	Α	20
	25kA	Α	20
Rated short time current Icw			
	1s	Α	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	20
AC15			
	110V	Α	10
	220/230V	Α	8
	380/400V	A	6
	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3	220/2201	[-\ <b>\</b> /	2.7
	220/230V 380/440V	kW kW	3.7 5.5
	500/440V 500/690V	kW	5.5 5.5
Single-phase AC-3	330/030 V	17.4.4	0.0
Onigio phaso No o	110V	kW	0.75
	220/230V	kW	1.8
	380/440V	kW	3
Three-phase AC23A			
	220/230V	kW	4

**ENERGY AND AUTOMATION** 

# electric ROTARY CAM SWITCH GX SERIES, ON-OFF SWITCH 4 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

		380/440V	kW	7.5
		500/440V	kW	7.5
	Single-phase AC23A	300/030 V	IX V V	7.5
	Single-phase AC23A	440\/	1.1.1.7	0.75
		110V	kW	0.75
		220/230V	kW	2.2
		380/440V	kW	3.5
Rated operational cur				
	DC21A			
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)	1.01	- ' '	
	DOZSA (poles ili selles)	24V	Α	20 (1)
				20 (1)
		48V	A	20 (2)
		60V	Α	20 (3)
		110V	Α	10 (3)
		220V	Α	8 (4)
	DC13			
		24V	Α	20
		48V	Α	16
		60V	Α	12
		110V	A	1
		220V		0.4
			A	
		440V	Α	0.15
Power dissipation			W	0.6
			•••	
Mechanical features			,,	
Mechanical features Terminals screw				M3
Mechanical features	terminals max		Nm	
Mechanical features Terminals screw	terminals max			M3
Mechanical features Terminals screw Tightening torque for t				M3
Mechanical features Terminals screw Tightening torque for t	terminals max  AWG - Rigid cable	min	Nm	M3 0.8
Mechanical features Terminals screw Tightening torque for t		min May	Nm AWG	M3 0.8
Mechanical features Terminals screw Tightening torque for t	AWG - Rigid cable	min Max	Nm	M3 0.8
Mechanical features Terminals screw Tightening torque for t		Max	Nm AWG AWG	M3 0.8 20 12
Mechanical features Terminals screw Tightening torque for t	AWG - Rigid cable	Max min	Nm AWG AWG	M3 0.8  20 12 20
Mechanical features Terminals screw Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable	Max	Nm AWG AWG	M3 0.8 20 12
Mechanical features Terminals screw Tightening torque for t	AWG - Rigid cable	Max min Max	Nm AWG AWG AWG	M3 0.8  20 12  20 12
Mechanical features Terminals screw Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable	Max min	Nm AWG AWG	M3 0.8  20 12  20 12  0.5
Mechanical features Terminals screw Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max	Nm AWG AWG AWG	M3 0.8  20 12  20 12
Mechanical features Terminals screw Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min	Nm  AWG AWG  AWG  AWG  AWG	M3 0.8  20 12  20 12  0.5
Mechanical features Terminals screw Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable	Max min Max min	Nm  AWG AWG  AWG  AWG  AWG	M3 0.8  20 12  20 12  0.5
Mechanical features Terminals screw Tightening torque for t	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	M3 0.8  20 12  20 12  0.5 2.5  0.5
Mechanical features Terminals screw Tightening torque for to Conductor size	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	M3 0.8  20 12  20 12  0.5 2.5  0.5 2.5
Mechanical features Terminals screw Tightening torque for to Conductor size  Mechanical life	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	M3 0.8  20 12  20 12  0.5 2.5  0.5
Mechanical features Terminals screw Tightening torque for to 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	AWG AWG AWG AWG mm² mm²	M3 0.8  20 12  20 12  0.5 2.5  0.5 2.5
Mechanical features Terminals screw Tightening torque for to Conductor size  Mechanical life	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max	AWG AWG AWG AWG mm² mm²	M3 0.8  20 12  20 12  0.5 2.5  0.5 2.5
Mechanical features Terminals screw Tightening torque for to 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	Nm  AWG AWG  AWG  AWG  mm²  mm²  cycles	M3 0.8  20 12  20 12  0.5 2.5  0.5 2.5  1X10 <sup>6</sup>
Mechanical features Terminals screw Tightening torque for to 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	Max min Max min Max min Max	Nm  AWG AWG  AWG  AWG  mm² mm² cycles	M3 0.8  20 12  20 12  0.5 2.5  0.5 2.5  1X10 <sup>6</sup>
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Mechanical features Terminals screw Tightening torque for to 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	Max min Max min Max min Max	Nm  AWG AWG  AWG  AWG  mm² mm² cycles	M3 0.8  20 12  20 12  0.5 2.5  0.5 2.5  1X10 <sup>6</sup>
Mechanical features Terminals screw Tightening torque for to 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	Max min Max min Max min Max  120V 240V	Nm  AWG AWG  AWG  AWG  mm²  mm²  cycles	M3 0.8  20 12  20 12  0.5 2.5  1X10 <sup>6</sup> 1.5 3
Mechanical features Terminals screw Tightening torque for to 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  120V 240V 480V	Nm  AWG AWG  AWG  AWG  mm²  mm²  cycles  HP  HP	M3 0.8  20 12  20 12  0.5 2.5  1X10 <sup>6</sup> 1.5 3 5
Mechanical features Terminals screw Tightening torque for to 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	Max min Max min Max  min Max  120V 240V 480V 600V	Nm  AWG AWG  AWG  AWG  mm²  mm²  cycles  HP  HP  HP  HP	M3 0.8  20 12  20 12  0.5 2.5  0.5 2.5  1X10 <sup>6</sup> 1.5 3 5 5
Mechanical features Terminals screw Tightening torque for to 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  120V 240V 480V	Nm  AWG AWG  AWG  AWG  mm²  mm²  cycles  HP  HP	M3 0.8  20 12  20 12  0.5 2.5  1X10 <sup>6</sup> 1.5 3 5

electric ROTARY CAM SWITCH GX SERIES, ON-OFF SWITCH 4 POLES 20A, FOR FRONT MOUNTING
WITH BLACK HANDLE, FRONT PLATE 48X48MM

## Ambient conditions

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## Temperature

Operating temperature

min	$^{\circ}C$	-25
max	°C	+55

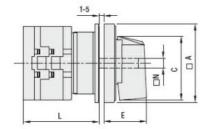
Storage temperature

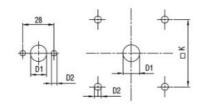
min °C -40 max °C +70

istance	

Frontal IP degree	IP65
Terminals IP degree	IP20

## **Dimensions**

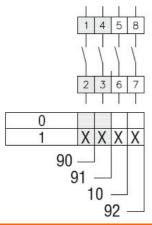




Drillings for 4 screws fixing (4V version).

Carian	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





electric ROTARY CAM SWITCH GX SERIES, ON-OFF SWITCH 4 POLES 20A, FOR FRONT MOUNTING
WITH BLACK HANDLE, FRONT PLATE 48X48MM

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**ETIM 8.0** 

EC001105 - Offload switch