ROTARY CAM SWITCH GX SERIES, ON-OFF SWITCH 1 POLE 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



Product designation			Rotary cam
•			switches
Product type designation			GX20
General characteristics			90 - ON/OFF
Switching diagram			switch 1 pole
N° of elements			1
			U - Front
Mounting form			mounting with
Contact characteristics			black handle
Rated insulation voltage Ui			
Nated Insulation 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	Α	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	Α	20
	15kA	A	20
	25kA	A	20
Rated short time current Icw			
	1s	Α	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
1045		Α	20
AC15	110V	Α	10
	220/230V	A	8
	380/400V	Α	6
	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	3.7
	380/440V	kW	5.5
0'll AO 0	500/690V	kW	5.5
Single-phase AC-3	110V	kW	0.75
	220/230V	kW	0.75 1.8
	380/440V	kW	3
Three-phase AC23A	333,1134		
•	220/230V	kW	4

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		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC23A			_
	3 1	110V	kW	0.75
		220/230V	kW	2.2
		380/440V	kW	3.5
Rated operational cur	rent in DC			
rated operational cut	DC21A			
	56277	48V	Α	20
		60V	A	20
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC22A (polos in porios)	440 V		0.25
	DC23A (poles in series)	241/	۸	20 (4)
		24V	A	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	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.6
Mechanical features				
Mechanical features Terminals screw				M3
Terminals screw	terminals max		Nm	M3 0.8
Terminals screw Tightening torque for t	terminals max		Nm	M3 0.8
Terminals screw			Nm	
Terminals screw Tightening torque for t	terminals max AWG - Rigid cable	min		0.8
Terminals screw Tightening torque for t		min	AWG	20
Terminals screw Tightening torque for t	AWG - Rigid cable	min Max		0.8
Terminals screw Tightening torque for t		Max	AWG AWG	0.8 20 12
Terminals screw Tightening torque for t	AWG - Rigid cable	Max min	AWG AWG	0.8 20 12 20
Terminals screw Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max	AWG AWG	0.8 20 12
Terminals screw Tightening torque for t	AWG - Rigid cable	Max min Max	AWG AWG AWG	0.8 20 12 20 12
Terminals screw Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	0.8 20 12 20 12 0.5
Terminals screw Tightening torque for t	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	0.8 20 12 20 12
Terminals screw Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG	0.8 20 12 20 12 0.5 2.5
Terminals screw Tightening torque for t	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm² mm²	0.8 20 12 20 12 0.5 2.5 0.5
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	0.8 20 12 20 12 0.5 2.5 0.5 2.5
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 min	AWG AWG AWG AWG mm² mm²	0.8 20 12 20 12 0.5 2.5 0.5
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	AWG AWG AWG AWG mm² mm²	0.8 20 12 20 12 0.5 2.5 0.5 2.5
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 min	AWG AWG AWG AWG mm² mm²	0.8 20 12 20 12 0.5 2.5 0.5 2.5
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	AWG AWG AWG Mm² mm² mm² cycles	0.8 20 12 20 12 0.5 2.5 0.5 2.5 1X10 ⁶
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	AWG AWG AWG AWG mm² mm²	0.8 20 12 20 12 0.5 2.5 0.5 2.5
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	AWG AWG AWG Mm² mm² mm² cycles	0.8 20 12 20 12 0.5 2.5 0.5 2.5 1X10 ⁶
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	AWG AWG AWG AWG mm² mm² cycles	0.8 20 12 20 12 0.5 2.5 1X10 ⁶
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	AWG AWG AWG AWG mm² mm² cycles	0.8 20 12 20 12 0.5 2.5 0.5 2.5 1X10 ⁶
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	AWG AWG AWG AWG mm² mm² cycles	0.8 20 12 20 12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5
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	AWG AWG AWG AWG mm² mm² cycles	0.8 20 12 20 12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5 5
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	AWG AWG AWG AWG mm² mm² cycles	0.8 20 12 20 12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5

ENERGY AND AUTOMATION

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Ambient conditions

Temperature

Operating temperature

min	°C	-25
max	°C	+55

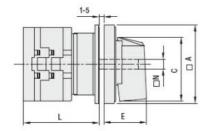
Storage temperature

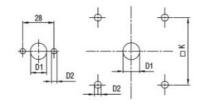
min °C -40 max °C +70

Resistance & Protection

Frontal IP degree	IP65
Terminals IP degree	IP20

Dimensions

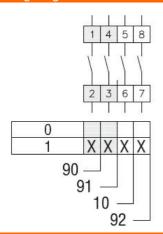




Drillings for 4 screws fixing (4V version).

Series	Dimensions							L Number of elements											
	□A	С	ØD1	ØD2	E	□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

GX2090U

cULus

EAC

ETIM classification



GX2090U

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ETIM 8.0

EC001105 - Offload switch