ENERGY AND AUTOMATION



Product designation				Rotary cam
-				switches
Product type designat				GX20
General characteristic	ŝ			91 - ON/OFF
Switching diagram				switch 2 poles
N° of elements				1
				U - Front
Mounting form				mounting with
O and a stark and a stark inter				black handle
Contact characteristic				
Rated insulation voltag	ge Ol	IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withsta	Ind voltage Uimp		kV	6
Conventional free air t				
		IEC/EN	А	20
		UL/CSA	Α	15
Rated operational volt	-		V	440
Rated operational imp			kV	4
Maximum fuse size fo	r short-circuit protection In (gG)			00
		10kA 15kA	A A	20 20
		25kA	A	20
Rated short time curre	ent Icw	2010 (		20
		1s	kA	250
Conductivity				10/5 mA/V
Operational current le	IEC/EN			
	AC1/AC21A			
			A	20
	AC15	440)/	۸	10
		110V 220/230V	A A	10 8
		380/400V	A	6
		660/690V	A	1.5
Rated operational pov	ver in AC			
	Three-phase AC-3			
		220/230V	kW	3.7
		380/440V	kW	5.5
	Circle share AO 2	500/690V	kW	5.5
	Single-phase AC-3	110V	L\\/	0.75
		220/230V	kW kW	0.75 1.8
		380/440V	kW	3
	Three-phase AC23A			-
		220/230V	kW	4

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GX2091U electric ROTARY CAM SWITCH GX SERIES, ON-OFF SWITCH 2 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.75
		220/230V	kW	2.2
		380/440V	kW	3.5
Rated operational cu	rrent in DC			
	DC21A			
		48V	А	20
		60V	A	20
		110V	A	4
		220V	A	- 0.6
		440V		0.25
		440 V	A	0.25
	DC23A (poles in series)	0.01		22 (1)
		24V	A	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	А	10 (3)
		220V	А	8 (4)
	DC13			
		24V	А	20
		48V	А	16
		60V	A	12
		110V	A	1
		220V	A	0.4
		440V	A	0.4
Dower dissinction		440 V	 W	
Power dissipation Mechanical features			VV	0.6
				MO
Terminals screw	torminale may		Nires	M3
Terminals screw Tightening torque for	terminals max		Nm	M3 0.8
Terminals screw			Nm	
Terminals screw Tightening torque for	terminals max AWG - Rigid cable			0.8
Terminals screw Tightening torque for		min	AWG	0.8
Terminals screw Tightening torque for	AWG - Rigid cable	min Max		0.8
Terminals screw Tightening torque for			AWG	0.8
Terminals screw Tightening torque for	AWG - Rigid cable		AWG	0.8
Terminals screw Tightening torque for	AWG - Rigid cable	Max	AWG AWG	0.8 20 12
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min	AWG AWG AWG	0.8 20 12 20
Terminals screw Tightening torque for	AWG - Rigid cable	Max min Max	AWG AWG AWG AWG	0.8 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>	0.8 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	0.8 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>	0.8 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>	0.8 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>	0.8 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>	0.8 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>	0.8 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>	0.8 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	0.8 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	0.8 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	0.8 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	0.8 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	0.8 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 ct-on-line control for three-phase motor	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	0.8 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	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	0.8 20 12 20 12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 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 ct-on-line control for three-phase motor	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	0.8 20 12 20 12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5

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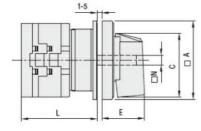
## Ambient conditions

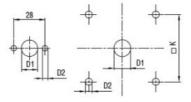
Resistance & Protec Frontal IP degree

## Temperature

Operating temperature				
	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	
ction				
			IP65	
)			IP20	

Terminals IP degree Dimensions

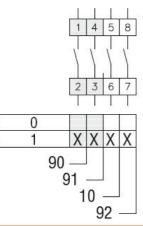




Drillings for 4 screws fixing (4V version).

Series	Dimensions							L Number of elements											
Series	□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



## Certifications 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	9S	
	cULus	
	EAC	
ETIM clas	sification	
GX2091U	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 brachura are purely illustrative, and are consequently not contractually binding.	3 / 4

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**ETIM 8.0** 

EC001105 - Offload switch