



Product designation				Rotary cam
-				switches
Product type designation				7GN20
General characteristics				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		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstand voltag	ue Uimp	01/00/1	kV	6
Conventional free air thermal cu				
		IEC/EN	А	20
		UL/CSA	А	20
Rated operational voltage			V	480
Rated operational impulse volta	•		kV	4
Maximum fuse size for short-ci	rcuit protection In (gG)			
		10kA	A	20
		15kA	A	16
Rated short time current Icw		25kA	A	16
Rated short time current icw		1s	kA	250
Conductivity		13		10/5 mA/V
Operational current le IEC/EN				
AC1/A	C21A			
			А	20
AC15				
		110V	А	10
		220/230V	A	8
		380/400V	A	6
Deted operational power in AC		660/690V	A	1.5
Rated operational power in AC	phase AC-3			
Thee-	phase AC-3	220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	5.5
Single	-phase AC-3			
-		110V	kW	0.8
		220/230V	kW	2.2
		380/440V	kW	3
Three-	phase AC23A	000/0001/	1 3 4 7	_
		220/230V	kW	5

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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



## **7GN2092U** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 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	0.8
		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational cu	rrent in DC			
	DC21A			
		48V	А	20
		60V	А	20
		110V	А	4
		220V	А	0.6
		440V	А	0.25
	DC23A (poles in series)			
		24V	A	20 (1)
		48V	А	20 (2)
		60V	А	20 (3)
		110V	А	10 (3)
		220V	А	8 (4)
	DC13			
		24V	А	20
		48V	А	16
		60V	А	12
		110V	А	1
		220V	А	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Terminals screw Tightening torque for	terminals max		Nm	M3 0.5
Terminals screw			Nm	
Terminals screw Tightening torque for	terminals max AWG - Rigid cable			0.5
Terminals screw Tightening torque for		min	AWG	0.5
Terminals screw Tightening torque for	AWG - Rigid cable	min Max		0.5
Terminals screw Tightening torque for		Max	AWG AWG	0.5 20 12
Terminals screw Tightening torque for	AWG - Rigid cable	Max min	AWG AWG AWG	0.5 20 12 20
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max	AWG AWG	0.5 20 12
Terminals screw Tightening torque for	AWG - Rigid cable	Max min Max	AWG AWG AWG AWG	0.5 20 12 20 14
Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG mm <sup>2</sup>	0.5 20 12 20 14 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	0.5 20 12 20 14
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>	0.5 20 12 20 14 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>	0.5 20 12 20 14 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>	0.5 20 12 20 14 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>	0.5 20 12 20 14 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>	0.5 20 12 20 14 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>	0.5 20 12 20 14 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	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 <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	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 <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	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 <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	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	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5
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	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 <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	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	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10
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	AWG AWG AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5

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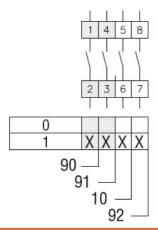


### Ambient conditions

# Temperature

remperature					
	Operating temperature				
		min	°C	-25	
		max	°C	+55	
	Storage temperature				
		min	°C	-40	
		max	°C	+70	
Resistance & Protec	tion				
Frontal IP degree				IP40	
Terminals IP degree				IP00	
Dimensions					
0					

### 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
	UL60947-4-1
Certificates	
	cCSAus
	EAC
	UL
ETIM classification	

**ETIM 8.0** 

EC001105 - Offload switch