

## **7GN2091U11** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE WITHOUT FRONT PLATE FOR HOLE Ø22MM FIXING



Product designation			Rotary cam
Product type designation			switches 7GN20
General characteristics			701120
			91 - ON/OFF
Switching diagram			switch 2 poles
N° of elements			1
			U11 - Front
			mounting with
Mounting form			black handle without front plat
			for hole diam.
			22mm fixing
Contact characteristics			J
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	A	20
	UL/CSA	A	20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA	^	20
	10kA 15kA	A A	20 16
	25kA	A	16
Rated short time current Icw	2010/1	7.	10
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
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/	1.1.47	0
	220/230V	kW	3
	380/440V	kW kW	5.5 5.5
Single-phase AC-3	500/690V	kW	5.5
Single-phase AC-S	110V	kW	0.8
	220/230V	kW	2.2
	220,200 V		

7GN2091U11

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		380/440V	kW	3
	Three-phase AC23A			
		220/230V	kW	5
		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC23A	000/0001		1.0
	Single-phase A023A	110V	kW	0.0
				0.8
		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational cur				
	DC21A			
		48V	Α	20
		60V	А	20
		110V	А	4
		220V	А	0.6
		440V	A	0.25
	DC22A (polos in series)	1101	А	0.20
	DC23A (poles in series)	0.437	^	20 (1)
		24V	A	20 (1)
		48V	A	20 (2)
		60V	А	20 (3)
		110V	Α	10 (3)
		220V	А	8 (4)
	DC13			
		24V	А	20
		48V	A	16
		40V 60V	A	12
		110V	A	1
		220V	Α	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				
0011000010120	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	-		
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVIdX		
			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for direc				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
				-

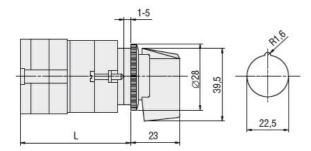
7GN2091U11



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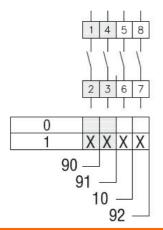
	to a sharehoust a second to a			
	for single-phase motor	120V 240V	HP HP	0.75 2
Ambient conditions		-		
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Prote	ction			
Frontal IP degree				IP40
Terminals IP degree	e			IP00

Dimensions



Series	L			
Series	1	2	3	8
7GN12	47	56.7	66.4	114.9
7GN20	47	56.7	66.4	114.9
7GN25	51.4	65	78.6	146.6

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

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ETIM classificatio

**ETIM 8.0** 

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	cCSAus		
	EAC		
	UL		
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		E0001405	<u><u></u> <u></u> </u>

EC001105 - Offload switch