

## **7GN2010U11** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE WITHOUT FRONT PLATE FOR HOLE Ø22MM FIXING



Product designation			Rotary cam switches
Product type designation			7GN20
General characteristics			10 - ON/OFF
Switching diagram			switch 3 poles
N° of elements			2
Mounting form			U11 - Front mounting with black handle without front plate for hole diam. 22mm fixing
Contact characteristics			
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	А	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	А	20
	15kA	A	16
	25kA	A	16
Rated short time current Icw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		A	20
AC15	1101	•	10
	110V	A A	10
	220/230V 380/400V	A	8 6
	660/690V	A	1.5
Rated operational power in AC	000/000 1	7.	1.0
Three-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

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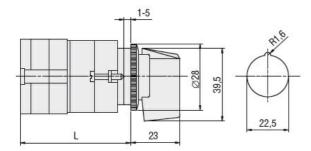
		380/440V	kW	3
	Three-phase AC23A			
		220/230V	kW	5
		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.8
		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational cur	rrant in DC	300/440 V		5.7
	DC21A	4017		
		48V	A	20
		60V	А	20
		110V	А	4
		220V	A	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	А	20 (1)
		48V	А	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
		220V	A	8 (4)
	DC13	220 V	~	0 (4)
	DC13	241/	^	20
		24V	A	20
		48V	Α	16
		60V	А	12
		110V	A	1
		220V	A	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
			AWG	
	ANAC Flowible coble	Max	ANG	12
	AWG - Flexible cable		A14/0	00
		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			cycles	5x10 <sup>6</sup>
UL technical data			-, 0.00	
Motor power for direc	t-on-line control			
	for three-phase motor	40017		4 5
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10



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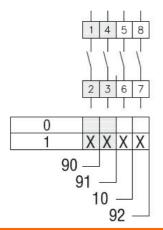
for single-phase motor			
	120V	HP	0.75
	240V	HP	2
Operating temperature			
	min	°C	-25
	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70
tion			
			IP40
			IP00
	Operating temperature	120V 240V Operating temperature min max Storage temperature min max	120V HP   240V HP   Operating temperature min   °C max   Storage temperature min   °C max   °C min   °C min   °C °C

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 8.0** 

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	cCSAus		
	EAC		
	UL		
ETIM classification			
			<b>O</b> #

EC001105 - Offload switch