

## **7GN1290U12** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 16A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING



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Product designation			Rotary cam
-			switches
Product type designation			7GN12
General characteristics			90 - ON/OFF
Switching diagram			switch 1 pole
N° of elements			1
			U12 - Front
			mounting without
Mounting form			front plate with
			key operation for hole diam. 22mm
			fixing
Contact characteristics			Ŭ,
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	16
	UL/CSA	A	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			4.0
	10kA	A	16
	15kA 25kA	A A	10 10
Rated short time current Icw	ZJKA	A	10
	1s	А	200
Conductivity	15	<u> </u>	10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	16
AC15			
	110V	А	10
	220/230V	А	8
	380/400V	А	4
	660/690V	А	1.5
Rated operational power in AC			
Three-phase AC-3	000/000		o -
	220/230V	kW	2.5
	380/440V	kW	4
Single phase AC 2	500/690V	kW	5.5
Single-phase AC-3	110V	kW	0.8
	220/230V	кvv kW	0.8 1.5
	220/230V	L A A	1.0

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380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7 380/440V kW 3 Rated operational current in DC DC21A 48V А 12 60V А 12 110V А 4 220V А 0.6 440V 0.25 А DC23A (poles in series) А 24V 10(1) 10 (2) 48V А 10 (3) 60V А 110V А 5 (3) 5 (4) 220V А DC13 24V А 12 48V А 10 60V А 8 110V А 1 220V А 0.4 440V А 0.15 Power dissipation W 0.8 Mechanical features Terminals screw M3 Tightening torque for terminals max 0.5 Nm Conductor size AWG - Rigid cable AWG 20 min AWG Max 12 AWG - Flexible cable 20 min AWG Max AWG 14 Conductor size (IEC) - Flexible cable mm² min 0.5 Max mm² 2.5 Conductor size (IEC) - Rigid cable min mm<sup>2</sup> 0.5 Max mm<sup>2</sup> 2.5 Mechanical life 3x10<sup>6</sup> cycles UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V ΗP 0.5

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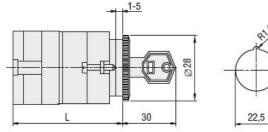


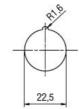
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#### 240V ΗP 1 Ambient conditions Temperature Operating temperature °C -25 min

		-		
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	
Resistance & Protection				
Frontal IP degree			IP40	
Terminals IP degree			IP00	
Discussion of the second se				

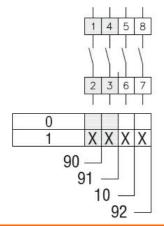
#### Dimensions





Series	L			
	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

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



ENERGY AND AUTOMATION

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ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete