

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



Product designation			Rotary cam
			switches
Product type designation General characteristics			7GN12
			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			, in the second s
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	16
Deted energianal valtage	UL/CSA	A V	15
Rated operational voltage Rated operational impulse voltage		kV	480
Maximum fuse size for short-circuit protection In (gG)		ĸv	4
Maximum ruse size for short-circuit protection in (gG)	10kA	А	16
	15kA	A	10
	25kA	A	10
Rated short time current Icw			
	1s	kA	200
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		A	16
AC15			
	110V	A	10
	220/230V	A	8
	380/400V 660/690V	A	4 1.5
Rated operational power in AC	000/0901	A	1.5
Three-phase AC-3			
	220/230V	kW	2.5
	380/440V	kW	4
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
	220/230V	kW	1.5

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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 mm² 0.5 Max mm² 2.5 Mechanical life 3x10⁶ 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 HP 0.5

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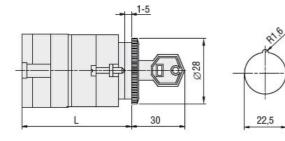


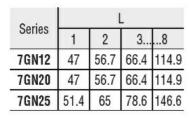
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Ambient conditions Temperature Operating temperature min °C -25

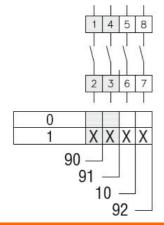
		-	
	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00

Dimensions





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