

7GN1291O48 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM



Product designation			Rotary cam
•			switches
Product type designation General characteristics			7GN12
General characteristics			91 - ON/OFF
Switching diagram			switch 2 poles
N° of elements			1
			O48 - Modular
			service cover for
Mounting form			35mm din rail mounting with
			black handle
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	A	16
Detect exerctional valters	UL/CSA	A V	15
Rated operational voltage Rated operational impulse voltage		kV	480
Maximum fuse size for short-circuit protection In (gG)		ΝV	4
Maximum ruse size for short encut protection in (go)	10kA	А	16
	15kA	A	10
	25kA	А	10
Rated short time current Icw			
	1s	kA	200
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
AC15		A	16
AC15	110V	А	10
	220/230V	A	8
	380/400V	A	4
	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	2.5
	380/440V	kW	4
	500/690V	kW	5.5
Single-phase AC-3	44017	1.3.47	0.0
	110V	kW	0.8
	220/230V 380/440V	kW kW	1.5 2.2
	300/4407	r v v	۷.۷

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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



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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 1.7 kW 380/440V kW 3 Rated operational current in DC DC21A 48V 12 А 60V А 12 110V 4 А 220V 0.6 А 440V А 0.25 DC23A (poles in series) 24V А 10(1) 48V А 10 (2) 60V 10 (3) А 110V А 5 (3) 220V А 5 (4) DC13 24V А 12 48V 10 А 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 Nm 0.5 Conductor size AWG - Rigid cable AWG min 20 AWG 12 Max AWG - Flexible cable min AWG 20 AWG Max 14 Conductor size (IEC) - Flexible cable min mm² 0.5 Max mm² 2.5 Conductor size (IEC) - Rigid cable 0.5 min mm² Max mm² 2.5 Mechanical life 3x10⁶ cycles UL technical data Motor power for direct-on-line control for three-phase motor HP 120V 1.5 240V HP 3 for single-phase motor HP 120V 0.5 240V ΗP 1

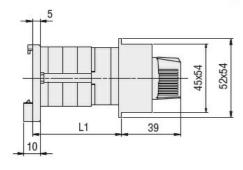
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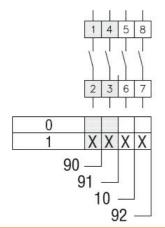
Ambient conditions Temperature

remperature					
	Operating temperature				
		min	°C	-25	
		max	°C	+55	
	Storage temperature				
		min	°C	-40	
		max	°C	+70	
Resistance & Prote	ection				
Frontal IP degree				IP40	
Terminals IP degre	96			IP00	
Dimensions					



Series	L1			
	1	2	3	
7GN12	38.1	47.8	57.5	
7GN20	38.1	47.8	57.5	
7GN25	42.5	56.1	69.7	

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

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ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete