

## **7GN2010O48** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM



Draduat designation			Rotary cam
Product designation			switches
Product type designation			7GN20
General characteristics			
Switching diagram			10 - ON/OFF switch 3 poles
N° of elements			2
			O48 - Modular
			service cover for
Mounting form			35mm din rail
			mounting with
			black handle
Contact characteristics			
Rated insulation voltage Ui	IEC/EN	V	<u> </u>
	UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp	UL/CSA	kV	6
Conventional free air thermal current Ith		ΚV	0
	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	А	16
	25kA	A	16
Rated short time current Icw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		^	20
AC15		A	20
AC 13	110V	А	10
	220/230V	A	8
	380/400V	A	6
	660/690V	А	1.5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	5.5
Single-phase AC-3			0.0
	110V	kW	0.8
	220/230V 380/440V	kW kW	2.2 3
	300/4401	r v v	5

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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



**7GN2010048** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 20A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE. FRONT PLATE 45X54MM

COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM ENERGY AND AUTOMATION Three-phase AC23A 220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 2.5 220/230V kW 380/440V kW 3.7 Rated operational current in DC DC21A 20 48V А 60V А 20 110V 4 А 0.6 220V А 440V А 0.25 DC23A (poles in series) 24V А 20(1) 48V А 20 (2) 60V 20 (3) А 10 (3) 110V А 220V А 8 (4) DC13 24V А 20 48V А 16 60V А 12 110V A 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 AWG 20 min AWG Max 14 Conductor size (IEC) - Flexible cable min mm<sup>2</sup> 0.5 Max mm<sup>2</sup> 2.5 Conductor size (IEC) - Rigid cable 0.5 min mm<sup>2</sup> Max mm² 2.5 Mechanical life 5x10<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

480V

600V

HP

HP

7.5

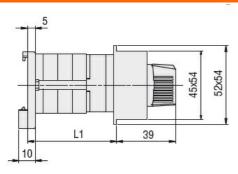
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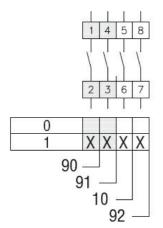
		120V 240V	HP HP	0.75 2
Ambient conditions		2407		
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protect	ion			
Frontal IP degree				IP40
Terminals IP degree				IP00

Dimensions



Series	L1		
Series	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

7GN2010O48



ETIM classification

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EAC			
UL			

ETIM 8.0

EC001029 -Selector switch, complete