

## **7GN1210O48** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM



Droduct decignation				Rotary cam
Product designation				switches
Product type designation				7GN12
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
Contact characteristics				black handle
Rated insulation voltage Ui				
rated modulion voltage of		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstand voltage	ge Uimp		kV	6
Conventional free air thermal c				
		IEC/EN	А	16
		UL/CSA	А	15
Rated operational voltage			V	480
Rated operational impulse volt			kV	4
Maximum fuse size for short-ci	ircuit protection In (gG)			
		10kA	A	16
		15kA 25kA	A	10 10
Rated short time current Icw		ZOKA	A	10
Rated short time current icw		1s	kA	200
Conductivity		15	N/N	10/5 mA/V
Operational current le IEC/EN				
-	AC21A			
			А	16
AC15				
		110V	А	10
		220/230V	А	8
		380/400V	A	4
		660/690V	A	1.5
Rated operational power in AC				
i nree	-phase AC-3	220/230V	kW	2.5
		380/440V	kW	4
		500/690V	kW	5.5
Sinale	e-phase AC-3			
5		110V	kW	0.8
		220/230V	kW	1.5
		380/440V	kW	2.2

7GN1210O48

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



**7GN1210048** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

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 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 3x10<sup>6</sup> 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

7GN1210O48

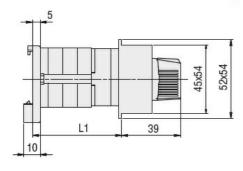
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



7GN1210O48 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

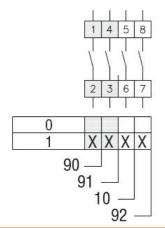
Ambient conditions Temperature

remperature					
	Operating temperature				
		min	°C	-25	
		max	°C	+55	
	Storage temperature				
		min	°C	-40	
		max	°C	+70	
Resistance & Prote	ction				
Frontal IP degree				IP40	
Terminals IP degree	9			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

**7GN1210O48** ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

ETIM classification

**ETIM 8.0** 

EC001029 -Selector switch, complete