

7GN1207O48 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

Induct designation switches Ceneral characteristics 7CN12 Switching diagram 07 - ON/OFF Switching diagram 0248 - Modular Mounting form Samitch 3 poles Mounting form 038 - Modular Switching diagram 048 - Modular Mounting form Samitch 3 poles Context characteristics 048 - Modular Context characteristics Samitch and in all Context characteristics V Rated inpulse withstand voltage UI IEC/EN V UL/CSA V 60 Conventional free air thermal current th IEC/EN A Rated operational voltage KV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A Conductivity 10/5 mA/V 0 Conductivity 10/5 mA/V 4 Maximum fuse size for short-circuit protection In (gG) 10kA A Conductivity 10/5 mA/V 0 Operational current te IEC/EN 4 6 AC15 <td< th=""><th>Product designation</th><th></th><th></th><th>Rotary cam</th></td<>	Product designation			Rotary cam
General haracteristics 07 - ON/OFF switch 3 poles N° of elements 2 Mounting form 048 - Modular service cover for 35mm din rail mounting with black handle Contact characteristics 048 - Modular service cover for 35mm din rail mounting with black handle Contact characteristics 048 - Modular service cover for 35mm din rail mounting with black handle Contact characteristics 048 - Modular service cover for 0UL/CSA Rated insulation voltage Uimp V Rated operational free air thermal current Ith 1EC/EN Rated operational impulse voltage V Rated operational impulse voltage KV Maximum fuse size for short-circuit protection In (gG) 10kA Conductivity 10 kA Operational current Icw 15 Conductivity 105 mA/V Operational current Ick 100 AC15 110V A AC15 110V A AC15 110V KW S00/690V A 1.5 Rated operational power in AC 10 Single-phase AC-3 10V KW	-			
Switching diagram O7 - ON/OFF switch 3 poles N* of elements 2 Mounting form Softee cover for 35mm din rail mounting with black handle Contact characteristics Rated insulation voltage Ui Rated insulation voltage Uip K Conventional free air thermal current Ith IEC/EN X IEC/EN X 600 Rated operational impulse voltage K 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 18 15KA A 10 25KA A 10 Rated short time current Icw 1 KA 200 00 Conductivity 10KA A 18 15KA A 10 Rated short time current Icw 1 KA 200 00				7GN12
Switching diagram switch 3 poles N° of elements 2 Mounting form O48 - Modular service cover for 36mm din rail mounting with black handle Contact characteristics IEC/EN V Rated insulation voltage Ui IEC/EN V Quicksa V 600 Rated insulation voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A 16 Conventional inpulse voltage V 480 480 Rated operational voltage to the circuit protection In (gG) 10kA A 16 Maximum fuse size for short-circuit protection In (gG) 10kA A 16 Conductivity 100 perational current Icw 1 KA 200 Conductivity 105 mA/V 0 36/mA/V 4 AC15 110V A 16 AC16 1005 mA/V 0 220/230V A 8 380/400V A 4 660/690V A 16 AC15 110V A <				07 - ON/OFF
Mounting form C48 - Modular service cover for 35mm din rail mounting with black handle Contact characteristics IEC/EN V 690 Rated insulation voltage Ui IEC/EN V 690 QU/CSA V 600 0 Conventional free air thermal current th IEC/EN A 16 Rated operational voltage KV 4 4 Rated operational impulse voltage KV 4 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 16 TSKA A 10 25kA A 10 Conductivity 1s kA 200 200/200 A 16 Conductivity 1s kA 200 A 16 A A 16 AC1/AC21A A 16 A A 16 A 16 A 16 A A 16 A A 16 A A 16 A 16 A 16 A	Switching diagram			
Mounting form service cover for 35mm din rail mounting with black handle Contact characteristics	N° of elements			
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Contact characteristics IEC/EN V 690 UL/CSA V 690 Conventional free air thermal current Ith IEC/EN A 16 Conventional free air thermal current Ith IEC/EN A 16 Conventional voltage V 480 Rated operational voltage KV 4 Maximum fuse size for short-circuit protection In (gG) Oth care with time current lcw Conductivity 10kA A 16 Conductivity 10/5 mA/V Operational current le IEC/EN A 16 AC1/AC21A A 16				
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Rated short time current lcw 1s kA 200 Conductivity 10/5 mA/V 00/5 mA/V Operational current le IEC/EN AC1/AC21A A 16 AC15 110V A 10 220/230V A 8 380/400V A 4 660/690V A 1.5 380/400V A 4 Rated operational power in AC Three-phase AC-3 220/230V kW 4 500/690V KW 5.5 5 5 Single-phase AC-3 110V kW 0.8 220/230V kW 2.2 Three-phase AC-3 110V kW 2.2 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V KW 3 380/440V kW 5.5 5 5 5 5 5 Single-phase AC23A 220/230V kW 3 3 3 3 3 3 3 3 3		15kA	А	10
1s kA 200 Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A AC1/AC21A A AC15 1 Image: AC15 1 AC15 1 Image: AC16 10 220/230V A Based operational power in AC 1.5 Three-phase AC-3 220/230V kW Single-phase AC-3 10V KW Single-phase AC-3 110V kW Image: AC23A 110V kW Image: AC23A 220/230V kW Image: AC23A 110V KW Image: A		25kA	А	10
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380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 Single-phase AC23A 220/230V kW 5.5 Source 380/440V kW 5.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.5 380/440V 400/690V kW 5.5 500/690V kW 1.1	Thee-phase AC-5	220/230\/	kW	2.5
500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 Single-phase AC23A 110V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7				
110V kW 0.8 220/230V kW 1.5 380/440V 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				
220/230V kW 1.5 380/440V 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	Single-phase AC-3			
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				
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				
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380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7	Three-phase AC23A	220/2201/	L-1.4.1	2
500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 1.7				
Single-phase AC23A 110V kW 0.8 220/230V kW 1.7				
110V kW 0.8 220/230V kW 1.7	Single-phase AC23A	000/000 V	11.0.0	1.0
220/230V kW 1.7		110V	kW	0.8
380/440V kW 3				
		380/440V	kW	3

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Rated operational current in DC

DC21A

	DOZTA			
		48V	А	12
		60V	А	12
		110V	А	4
		220V	А	0.6
		440V	А	0.25
	DC23A (poles in series)			
		24V	А	10 (1)
		48V	A	
				10 (2)
		60V	A	10 (3)
		110V	A	5 (3)
		220V	Α	5 (4)
	DC13			
		24V	A	12
		48V	A	10
		60V	Α	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 - Rigiu Cable			20
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
	· · · · · · · · · · · · · · · · · · ·	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		max	cycles	3x10 ⁶
UL technical data			0,000	
Motor power for direc	t-on-line control			
	for three-phase motor			
	וטו נווופפ-טומשב וווטנטו	4001/	ЦР	1 5
		120V	HP	1.5
		240V	HP	3
	for single-phase motor			
		120V	HP	0.5
		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
			-	

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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

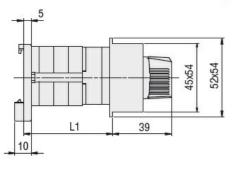


7GN1207O48

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

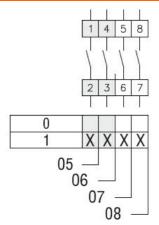
Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00
Dimonsions	

Dimensions



Cariaa	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		
	cCSAus	
	EAC	
	UL	
ETIM classification		
ETIM 8.0		EC001029 - Selector switch, complete