

7GN20109O48 ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3-4, 1 POLE 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Induct boognation switches Product type designation 70N20 General characteristics 109 - Multi-step 0-1-2-3-4 1 pole N° of elements 2 Mounting form General characteristics Mounting form General characteristics Rated inpulse withstand voltage Uinp KV ECritical characteristics FC/EN Rated inpulse withstand voltage Uinp KV ECritical characteristics FC/EN Rated inpulse withstand voltage Uinp KV ECritical characteristics FC/EN Rated operational inpulse voltage KV Conductivity 10KA A Conductivity 10KA 20 AC15 110V A AC15 110V A AC15 110V A Single-phase AC3 20/2020V KW Single-phase AC3 20/2020V KW <th>Product designation</th> <th></th> <th></th> <th>Rotary cam</th>	Product designation			Rotary cam	
General Pharacteristics 109 - Multi-step N° of elements 2 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 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 4600 Rated insulation voltage Uimp KV Conventional free air thermal current lth IEC/EN Rated operational impulse voltage KV Maximum fuse size for short-circuit protection In (gG) 10KA Maximum fuse size for short-circuit protection In (gG) 10KA Conductivity 105 mA/V Operational current lew 18 AC15 110V A AC15 110V A Single-phase AC-3 220/230V KW 220/230V <td>•</td> <td></td> <td></td> <td></td>	•				
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SMICHING Gargential 0-1-2-3-4 1 pole N° of elements 2 Mounting form 35mm din rail mounting with black handle Contact characteristics 35mm din rail mounting with black handle Rated insulation voltage Ui IEC/EN V 690 QuitCSA V 600 0 Rated insulation voltage Uimp KV 6 Conventional free air thermal current Ith IEC/EN A 20 Rated operational impulse voltage KV 4 480 Rated operational impulse voltage KV 4 480 Rated operational impulse voltage KV 4 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 20 Conductivity 10kA A 20 15kA A 16 Rated operational current Icw 1s A 250 20 20 20 20 20 20 20 20/1AC21A 20 20/230V A 8 380/400V A 6 50/690V KW<				109 - Multi-step	
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Maximum fuse size for short-circuit protection ln (gG) 10kA A 20 15kA A 16 25kA A 16 Rated short time current lcw 1s A 250 Conductivity 10/5 mA/V 10/5 mA/V Operational current le IEC/EN A 20 AC1/AC21A A 20 AC15 110V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5 1.5 1.5 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 3 380/440V kW 5.5 500/690V kW 2.2 380/440V kW 2.2 380/440V kW 3 380/440V kW 3 380/440V kW 3 380/440V kW 3 380/440V kW 2.2 380/440V kW 5 380/440V kW 5 380/440V kW 5 380/440V k	Rated operational voltage		V	480	
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AC15 110V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5 1.5 1.5 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 3 220/230V kW 3 Single-phase AC-3 110V kW 0.8 220/230V kW 2.2 Single-phase AC-3 Three-phase AC-3 110V kW 0.8 220/230V kW 2.2 380/440V kW 3 Three-phase AC23A 220/230V kW 5 380/440V kW 5 380/440V kW 7.5 Single-phase AC23A 110V kW 0.8	•				
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220/230V A 8 380/400V A 6 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 3 380/440V kW 3 380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 3 3 Three-phase AC23A 220/230V kW 5 380/440V kW 5 380/440V kW 3 Three-phase AC23A 220/230V kW 5 380/440V kW 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 6.8	AC15				
380/400V A 6 660/690V A 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 110V kW 0.8 220/230V kW 2.2 380/440V kW 3 Three-phase AC-3 110V kW 0.8 220/230V kW 3 Three-phase AC23A 220/230V kW 5 380/440V kW 7.5 Single-phase AC23A 110V kW 7.5 500/690V kW 7.5					
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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 110V kW 0.8 220/230V kW 2.2 380/440V kW 3 Three-phase AC-3 110V kW 0.8 220/230V kW 5 380/440V kW 3 <td< td=""><td></td><td></td><td></td><td></td></td<>					
Three-phase AC-3 220/230V kW 3 380/440V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 2.2 380/440V kW 3 Three-phase AC-3 Three-phase AC23A 220/230V kW 5 380/440V kW 5 380/440V kW 5 380/440V kW 7.5 Single-phase AC23A 110V kW 0.8	Poted operational power in AC	660/690V	A	1.5	
220/230V kW 3 380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 2.2 380/440V kW 3 Three-phase AC23A 220/230V kW 5 380/440V kW 7.5 Single-phase AC23A 110V kW 7.5 Single-phase AC23A 110V kW 0.8					
380/440V kW 5.5 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 2.2 380/440V kW 3 Three-phase AC23A 220/230V kW 5 380/440V kW 5 380/440V kW 7.5 Single-phase AC23A 7.5 Single-phase AC23A 110V kW 0.8		220/230V	kW	3	
500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 2.2 380/440V kW 3 Three-phase AC23A 220/230V kW 5 380/440V kW 7.5 Single-phase AC23A 7.5 Single-phase AC23A 110V kW 0.8					
110V kW 0.8 220/230V kW 2.2 380/440V kW 3 Three-phase AC23A 220/230V kW 5 380/440V kW 7.5 Single-phase AC23A 500/690V kW 7.5 Single-phase AC23A					
220/230V kW 2.2 380/440V kW 3 Three-phase AC23A 220/230V kW 5 380/440V kW 7.5 380/440V kW 7.5 Single-phase AC23A 110V kW 0.8	Single-phase AC-3				
380/440V kW 3 Three-phase AC23A 220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8					
Three-phase AC23A 220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8					
220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8		380/440V	кW	3	
380/440V kW 7.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8	Inree-phase AC23A	220/2201/	L\\/	5	
500/690V kW 7.5 Single-phase AC23A 110V kW 0.8					
Single-phase AC23A 110V kW 0.8					
110V kW 0.8	Single-phase AC23A	000,000 V			
		110V	kW	0.8	

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ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3-4, 1 POLE 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

		380/440V	kW	3.7
Rated operational cur				
	DC21A		_	
		48V	A	20
		60V	A	20
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	0.01/	۸	00 (1)
		24V	A	20 (1)
		48V	A	20 (2)
		60V	A	20 (3)
		110V	A	10 (3)
		220V	A	8 (4)
	DC13	0.01/		
		24V	A	20
		48V	A	16
		60V	A	12
		110V	A	1
		220V	A	0.4
		440V	A	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			
		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			cycles	5x10 ⁶
UL technical data				
Motor power for direc	t-on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single-phase motor			
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
1	Operating temperature			
		min	°C	-25
		111111	•0	20

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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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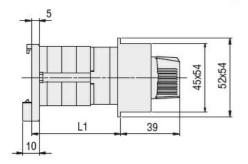
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+55



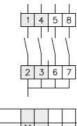
7GN20109O48 ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3-4, 1 POLE 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

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



0				
1	X			
2			Х	
3		X		
4				Х
		10	9	

Certifications and compliance

С ...

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	n	
ETIM 8.0		EC001029 - Selector switch, complete

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