

7GN12109O48 ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3-4, 1 POLE 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Droduct designation				Rotary cam
Product designation	switches			
Product type designat General characteristic				7GN12
Switching diagram	5			109 - Multi-step
				0-1-2-3-4 1 pole
N° of elements				2
				O48 - Modular service cover for
Mounting form				35mm din rail
Mounting form				mounting with
				black handle
Contact characteristics				
Rated insulation voltage	ge Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withsta			kV	6
Conventional free air t	hermal current Ith		•	10
		IEC/EN	A	16
Rated operational volt	222	UL/CSA	A V	<u>15</u> 480
Rated operational imp			kV	400
·	r short-circuit protection In (gG)		ΝV	4
		10kA	А	16
		15kA	A	10
		25kA	A	10
Rated short time curre	ent Icw			
		1s	kA	200
Conductivity				10/5 mA/V
Operational current le	IEC/EN			
	AC1/AC21A			
			Α	16
	AC15	1401/	•	10
		110V	A A	10
		220/230V 380/400V	A	8 4
		660/690V	A	4 1.5
Rated operational pow	ver in AC	000/000 1	7.	1.0
	Three-phase AC-3			
		220/230V	kW	2.5
		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	000/0001	1.1.1/	2
		220/230V 380/440V	kW kW	3 5.5
		500/690V	kW	5.5 7.5
	Single-phase AC23A	200/030V	r\ v V	1.0
	Cingio pridoo nozon	110V	kW	0.8
		220/230V	kW	1.7
		380/440V	kW	3

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45X54MM

Rated operational cur	rent in DC			
	DC21A			
		48V	А	12
		60V	A	12
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	1101		0.20
		24V	А	10 (1)
		48V	A	10 (2)
		40V 60V	A	10 (2)
		110V	A	5 (3)
		220V	A	5 (4)
	DC13	220 V	Α	5 (4)
	DC13	241/	۸	10
		24V 48V	A	12
			A	10
		60V	A	8
		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	3x10⁰
UL technical data			-	
Motor power for direct	t-on-line control			
	for three-phase motor			
		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	max	<u> </u>	
	otorage temperature	min	°C	-40
		max	°C	+70
		Παλ	0	

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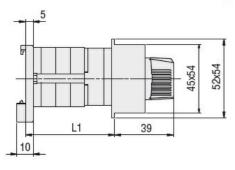
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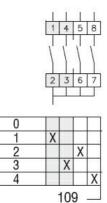
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Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00
Dimensions	



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



Certifications and compliance

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	n	
ETIM 8.0		EC001029 - Selector switch,

complete

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