

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

Product designation			Rotary cam
-			switches
Product type designation General characteristics			7GN12
			109 - Multi-step
Switching diagram			0-1-2-3-4 1 pole
N° of elements			2
Mounting form			O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith		kV	6
	IEC/EN	А	16
	UL/CSA	A	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	16
	15kA	А	10
Deterdebert time environt leve	25kA	A	10
Rated short time current Icw	1s	А	200
Conductivity	15	A	10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	16
AC15			
	110V	А	10
	220/230V	A	8
	380/400V	A	4 1.5
Rated operational power in AC	660/690V	A	1.5
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 380/440V	kW kW	1.5 2.2
Three-phase AC23A	300/4407	r v v	۷.۷
	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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ENERGY AND AUTOMATION

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		200/440\/	L\\\/	2
Rated operational cu	rrent in DC	380/440V	kW	3
Raleu operational cu	DC21A			
	BOZIA	48V	А	12
		40V 60V	A	12
		110V	A	4
		220V	A	4 0.6
		440V	A	0.25
	DC23A (poles in series)	440 v	A	0.25
	DC23A (poles in series)	24V	٨	10 (1)
		24V 48V	A A	10 (1)
		48V 60V		10 (2)
		110V	A	10 (3)
			A	5 (3)
		220V	A	5 (4)
	DC13	0.01		4.0
		24V	A	12
		48V	А	10
		60V	А	8
		110V	А	1
		220V	А	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	THE		2.0
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life		WidA	cycles	3x10 ⁶
UL technical data			Cycles	5710
Motor power for dire	ct-on-line control			
	for three-phase motor	4001/	ЦП	15
		120V	HP	1.5
	for simple places and the	240V	HP	3
	for single-phase motor	1001		0.5
		120V	HP	0.5
Angleigent		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40

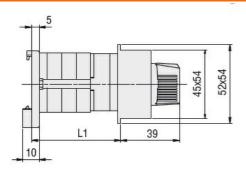
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 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently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

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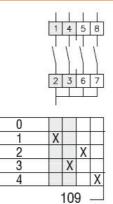
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	max °C +70
Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00
Dimensions	



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



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	
<u></u>	UL	
ETIM classification		
		EC001029 -
ETIM 8.0		Selector switch,

complete