7GN1225O48



ROTARY CAM SWITCH 7GN SERIES, 1-PHASE MOTOR REVERSING SWITCH WITH SPRING RETURN 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product designation				Rotary cam switches
Product type designati				7GN12
General characteristics	3			
Switching diagram				25 - 1-phase motor reversing switch with spring return
N° of elements				2
Mounting form				O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristics				
Rated insulation voltag		IEC/EN UL/CSA	V V	690 600
Rated impulse withstar	nd voltage Llimp	00/007	kV	6
Conventional free air th	•		IX V	<u> </u>
		IEC/EN UL/CSA	A A	16 15
Rated operational volta	age		V	480
Rated operational impu			kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	А	16
		15kA	А	10
		25kA	Α	10
Rated short time current	nt Icw	1s	kA	200
Conductivity				10/5 mA/V
Operational current le				
	AC1/AC21A		А	16
	AC15			
		110V	Α	10
		220/230V	A	8
		380/400V	A	4
Rated operational pow	or in AC	660/690V	A	1.5
	Three-phase AC-3			
	The phase A0 5	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	220/230V	kW	3
		380/440V	kW	5.5
	<u></u>	500/690V	kW	7.5
	Single-phase AC23A	110V	kW	0.8

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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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		220/230V	kW	1.7
		380/440V	kW	3
Rated operational cu	Irrent in DC			
	DC21A			
	<i>B</i> 02 <i>M</i>	48V	А	12
		60V	A	12
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	440 V	~	0.25
	DOZSA (poles in series)	24V	٨	10 (1)
		24 v 48 V	A	10 (1)
			A	10 (2)
		60V	A	10 (3)
		110V	A	5 (3)
		220V	A	5 (4)
	DC13			
		24V	A	12
		48V	A	10
		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	r terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	3 1 1 1	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	Max	/	12
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) Elevible coble	IVIAX	AWG	14
	Conductor size (IEC) - Flexible cable			0.5
		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 dire				
	for three-phase motor			
		120V	HP	1.5
				3
		240V	HP	5
	for single-phase motor	240V	HP	5
	for single-phase motor	240V 120V	HP HP	0.5
	for single-phase motor			
Ambient conditions	for single-phase motor	120V	HP	0.5
	for single-phase motor	120V	HP	0.5
		120V	HP	0.5
	for single-phase motor Operating temperature	120V 240V	HP HP	0.5 1
Ambient conditions Temperature		120V 240V min	HP HP °C	0.5 1 -25
	for single-phase motor	120V	HP	0.5
		120V 240V	HP HP	0.5 1

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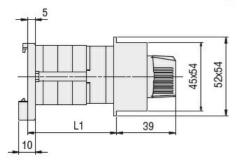
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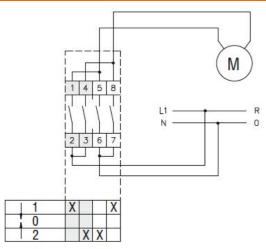
	min max	°C ℃	-40 +70
Resistance & Protection	max	Ū	
Frontal IP degree			IP40
Terminals IP degree			IP00

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		
ETIM 8.0		EC001029 - Selector switch, complete

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