## 7GN1253O48



ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 3 POLES 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
Switching diagram			53 - Changeover switch 3 poles - 2 speed motor starting with separate windings
N° of elements			3
Mounting form			O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristics Rated insulation voltage Ui			
	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN UL/CSA	A A	16 15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	A	16
	15kA 25kA	A A	10 10
Rated short time current Icw	 1s	A	200
Conductivity			10/5 mA/V
Operational current le IEC/EN AC1/AC21A			
1015		A	16
AC15	110V 220/230V	A A	10 8
	380/400V	A	4
	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3			
	220/230V 380/440V	kW kW	2.5 4
	500/690V	kW	5.5
Single-phase AC-3			0.0
	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

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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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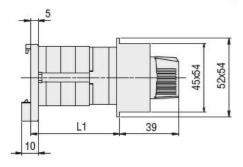
	Single-phase AC23A			
	Single-phase A025A	110V	kW	0.8
		220/230V	kW	1.7
		380/440V	kW	3
Rated operational cur	rent in DC			
	DC21A			
		48V	А	12
		60V	A	12
		110V	A	4
		220V	А	0.6
		440V	Α	0.25
	DC23A (poles in series)	0.417		40 (4)
		24V	A	10 (1)
		48V	A	10 (2)
		60V 110V	A A	10 (3) 5 (2)
		220V		5 (3) 5 (4)
	DC13	2201	A	5 (4)
	0010	24V	А	12
		24V 48V	A	10
		48V 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 t	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	3x10 <sup>6</sup>
UL technical data	t en line control			
Motor power for direct				
	for three-phase motor	4001/	ЦБ	1 5
		120V 240V	HP	1.5
			HP up	3
		480V	HP	50
	for single phase motor	600V	HP	40
	for single-phase motor	120V	uп	0.5
		120V 240V	HP HP	0.5 1
Ambient conditions		240V		1
Ambient conditions				

Temperature

## electric ENERGY AND AUTOMATION

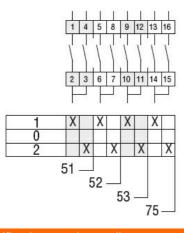
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Operating temperature			
	min	°C	-25
	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00
Dimensions			

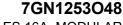


Carias	L1		
Series	1	2	3
7GN12	38.1	47.8	57.5
7GN20	38.1	47.8	57.5
7GN25	42.5	56.1	69.7

## Wiring diagrams



Certifications and co	impliance
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	
	EAC
	UL
ETIM classification	



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ETIM 8.0

EC001029 -Selector switch, complete