

7GN2591O48 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 25A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM



Product designation Rotary cam switches Product type designation 76N25 Seffered characteristics 91 - ON/OFF Switching diagram 91 - ON/OFF Switching diagram 048 - Modular Mounting form 038 - Modular Seffered characteristics 048 - Modular Rated insulation voltage Ui IEC/EN V EContext characteristics 048 - Modular Rated insulation voltage Uimp V 600 Context characteristics V 600 Rated insulation voltage Uimp V 6 Conventional free air thermal current th IEC/EN V 480 Rated operational voltage V 480 400 Rated operational impulse voltage V 480 400 Conductivity 10 (GG) 10/K A 25 Rated short time current low 15 KA 400 Conductivity 10 (GR) 10/S mA/V 0 Operational current lo IEC/EN 25 380/400V A 220/230V				
Product Upp designation switches General characteristics 91 - ON/OFF Switching diagram 91 - ON/OFF N° of elements 1 Mounting form 38mm din rail Contact characteristics 38mm din rail Rated insulation voltage Ui IEC/EN V 600 UU/CSA V Rated insulation voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN V UU/CSA X 600 Rated operational voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A UU/CSA X 480 Rated operational voltage V 480 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 25 15kA A 25 25kA A 25 Rated short time current Icw 1s kA 400 20/2030V A 12 380/400V A	Draduat designation			Rotary cam
General characteristics 91 - ON/OFF Switching diagram 91 - ON/OFF N" of elements 1 O48 - Modular service cover for 35mm din rail mounting with black handle Contact characteristics Rated insulation voltage Ui IEC/EN V 6000 Rated insulation voltage Ui IEC/EN V 6000 Rated insulation voltage Uimp KV Conventional free air thermal current Ith IEC/EN X Bated operational involtage Rated short time current low 15 kA A 250/230V 220/230V AC15 110V A 220/230V	Product designation			
Switching diagram 91 - ONVOFF N* of elements 1 Mounting form Od8 - Modular service cover for 35mm din rail mounting with black handle Contact characteristics UL/CSA Rated insulation voltage Ui IEC/EN V Gonventional free air thermal current lth IEC/EN V Conventional free air thermal current lth IEC/EN A Rated operational voltage V 480 Rated short time current lcw 10kA 25 Conductivity 10kA 25 Conductivity 10/5 mA/V 0 Operational current lcw 1 KA AC1/AC21A A 25 AC1/AC21A A 25 AC1/AC21A A 25 Single-phase AC-3 220/230V A Single-phase AC-3 110V </td <td></td> <td></td> <td></td> <td>7GN25</td>				7GN25
switch 2 polesN° of elements1Mounting formCod48 - Modular service cover for 35mm din rail mounting with black handleCentact characteristicsRated insulation voltage UiIEC/ENV690 000Quicks handleULCSAV690 000Quicks handleULCSAV600Rated insulation voltage UimpkV6Conventional free air thermal current lthIEC/ENA25Quicks A30Rated operational voltageKV4Maximum fuse size for short-circuit protection In (gG)10KAA2510KAA25ConductivityOperational voltageKV4Maximum fuse size for short-circuit protection In (gG)10KAA25ConductivityOperational current IcwA25Acto25ActoActo20/230VKW5.5Salo/400VABConductivity10/5 mA/VOperational current IcwISActo2Acto2Conductivity<	General characteristics			
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Contact characteristics Rated insulation voltage Ui IEC/EN V 690 Quicks V 600 Rated insulation voltage Uimp KV 6 Conventional ree air thermal current Ith IEC/EN A 25 Quicks A 30 Rated operational voltage V 480 Rated operational voltage V 480 Rated operational impulse voltage KV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 25 Rated short time current Icw 1 10kA A 25 Rated short time current Icw 1 10/5 mA/V Operational current IcW 1 AC1/AC21A A 25 Rated operational power in AC AC1/AC21A 220/230V XW	5			
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UL/CSA A 30 Rated operational voltage V 480 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection ln (gG) 10kA A 25 15kA A 25 15kA A 25 Rated short time current lcw 1s kA 400 0 Conductivity 1s kA 400 0 Operational current le IEC/EN 10/5 mA/V 0/5 mA/V 0 Operational current le IEC/EN 110V A 16 220/230V A 12 380/400V A 8 660/690V A 2 380/400V A 8 660/690V A 2 380/400V A 2 Rated operational power in AC 220/230V KW 5.5 380/40V KW 7.5 Single-phase AC-3 110V KW 1.5 220/230V KW 3	Conventional free air thermal current ith		^	25
Rated operational voltage V 480 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection ln (gG) 10kA A 25 IskA A 25 15kA A 25 Rated short time current lcw 1s kA 400 10/5 mA/V Operational current le IEC/EN 10/5 mA/V 10/5 mA/V 10/5 mA/V Operational current le IEC/EN A 25 110V A 16 220/230V A 12 380/400V A 8 660/690V A 2 Rated operational power in AC Three-phase AC-3 220/230V kW 5.5 380/40V kW 7.5 Single-phase AC-3 110V KW 1.5 220/230V kW 3				
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10kA A 25 15kA A 25 Rated short time current lcw 1s kA 400 Conductivity 10/5 mA/V Operational current le IEC/EN 10/5 mA/V AC1/AC21A A 25 AC15 110V A 16 220/230V A 12 380/400V A 8 660/690V A 2 2 Rated operational power in AC Three-phase AC-3 220/230V KW 5.5 380/440V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3			ΝV	7
15kA A 25 Rated short time current low 1s kA 400 Conductivity 10/5 mA/V Operational current le IEC/EN 10/5 mA/V AC1/AC21A A 25 AC15 110V A 16 220/230V A 12 380/400V A 8 660/690V A 2 380/400V A 2 Rated operational power in AC Three-phase AC-3 220/230V kW 5.5 380/440V kW 7.5 380/440V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3	Maximum ruse size for short oroan protection in (ge)	10kA	А	25
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1s kA 400 Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A AC1/AC21A A 25 AC15 110V A 16 220/230V A 12 380/400V A 8 660/690V A 2 2 Rated operational power in AC 220/230V KW 5.5 380/440V kW 7.5 380/440V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3				
Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A AC15 110V A 16 220/230V A 12 380/400V A 8 660/690V A 2 2 Rated operational power in AC Three-phase AC-3 220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3	Rated short time current Icw			
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AC1/AC21A AC15 AC15 110V A 16 220/230V A 12 380/400V A 8 660/690V A 2 Rated operational power in AC Three-phase AC-3 220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3	Conductivity			10/5 mA/V
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110V A 16 220/230V A 12 380/400V A 8 660/690V A 2 Rated operational power in AC Three-phase AC-3 220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3			Α	25
220/230V A 12 380/400V A 8 660/690V A 2 Rated operational power in AC Three-phase AC-3 220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3	AC15			
380/400V A 8 660/690V A 2 Rated operational power in AC Three-phase AC-3 220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3				
660/690V A 2 Rated operational power in AC Three-phase AC-3 220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3				
Rated operational power in AC Three-phase AC-3 220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3				
Three-phase AC-3 220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3	Deted energianal nerves in AC	660/690V	A	2
220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3				
380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3	Three-phase AC-5	220/2201/	<i>د</i> \//	55
500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3				
Single-phase AC-3 110V kW 1.5 220/230V kW 3				
110V kW 1.5 220/230V kW 3	Single-phase AC-3	000,000 v	1 X V V	
220/230V kW 3		110V	kW	1.5
380/440V kW 5.5				
		380/440V	kW	5.5

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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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ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 25A, MODULAR SE	ERVICE
COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45.	X54MM

	Three-phase AC23A			
		220/230V	kW	6.5
		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC23A	000,0001		
	Single-phase A025A	110\/		1 5
		110V	kW	1.5
		220/230V	kW	3.7
		380/440V	kW	5.5
Rated operational cu	rrent in DC			
	DC21A			
		48V	А	25
		60V	А	25
		110V	А	4
		220V	A	0.7
		2201	~	0.7
	DC23A (poles in series)	0.07		
		24V	A	25 (1)
		48V	A	25 (2)
		60V	Α	25 (3)
		110V	А	12 (3)
		220V	А	10 (4)
	DC13			()
	2010	24V	А	25
		48V		20
			A	
		60V	A	16
		110V	A	1.5
		220V	A	0.4
Power dissipation			W	1.1
Mechanical features				
Terminals screw				M3.5
Tightening torque for	terminals max		Nm	0.8
Conductor size				•••
	AWG - Rigid cable		A \ A \ O	00
		min	AWG	20
		Max	AWG	10
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable	IVIDA	11111	Ŧ
	Conductor Size (IEC) - Rigid Cable	•		0.5
		min	mm²	0.5
		Max	mm²	4
Mechanical life			cycles	5x10⁰
UL technical data				
Motor power for direct	ct-on-line control			
-	for three-phase motor			
		120V	HP	3
		240V	HP	5
		480V	HP	10
		600V	HP	15
	for single-phase motor			
		120V	HP	1.5
		240V	HP	3

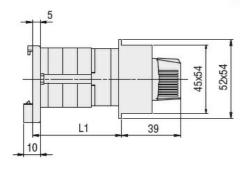
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7GN2591O48 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 25A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

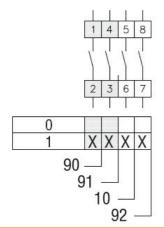
Ambient conditions Temperature

remperature					
	Operating temperature				
		min	°C	-25	
		max	°C	+55	
	Storage temperature				
		min	°C	-40	
		max	°C	+70	
Resistance & Prote	ection				
Frontal IP degree				IP40	
Terminals IP degree	e			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

	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



7GN2591O48 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 25A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

ETIM classification

UL

ETIM 8.0

EC001029 -Selector switch, complete