

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 25A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM



Product designation		Rotary cam switches
Product type designation		7GN25
General characteristics		
Switching diagram		90 - ON/OFF
N° of elements		switch 1 pole
N of elements		O48 - Modular
Mounting form		service cover for 35mm din rail mounting with black handle
Contact characteristics		
Rated insulation voltage Ui IEC/E UL/CS		690 600
Rated impulse withstand voltage Uimp	kV	6
Conventional free air thermal current Ith		
IEC/E	N A	25
UL/CS	SA A	30
Rated operational voltage	V	480
Rated operational impulse voltage	kV	4
Maximum fuse size for short-circuit protection In (gG)		
10		25
15 25		25 25
Rated short time current lcw	KA A	25
	1s kA	400
Conductivity	10 101	10/5 mA/V
Operational current le IEC/EN		
AC1/AC21A	А	25
AC15		
110)V A	16
220/230	V A	12
380/400		8
660/69)V A	2
Rated operational power in AC		
Three-phase AC-3	M 1.1A7	
220/230 380/440		5.5 7.5
500/44		7.5 7.5
Single-phase AC-3	,	7.0
11)V kW	1.5
220/23		3
380/44		5.5





7GN2590O48

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	Three-phase AC23A			
	оо раоо / ю-25/	220/230V	kW	6.5
		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC23A	300/030 V	IX V V	
	Single-phase AC23A	110\/	LANA	1 E
		110V	kW	1.5
		220/230V	kW	3.7
B () ()	B0	380/440V	kW	5.5
Rated operational curre				
	DC21A			
		48V	Α	25
		60V	Α	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)			
		24V	Α	25 (1)
		48V	Α	25 (2)
		60V	Α	25 (3)
		110V	Α	12 (3)
		220V	A	10 (4)
	DC13	220 V	,,	. • (. /
	DC13	24V	Α	25
		48V		20
			A	
		60V	A	16
		110V	Α	1.5
		220V	Α	0.4
Power dissipation				1 1
			W	1.1
Mechanical features			VV	
Mechanical features Terminals screw				M3.5
Mechanical features	erminals max		Nm	
Mechanical features Terminals screw	erminals max			M3.5
Mechanical features Terminals screw Tightening torque for te				M3.5
Mechanical features Terminals screw Tightening torque for te	erminals max AWG - Rigid cable	min		M3.5 0.8
Mechanical features Terminals screw Tightening torque for te		min Max	Nm AWG	M3.5 0.8
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable	min Max	Nm	M3.5 0.8
Mechanical features Terminals screw Tightening torque for te		Max	Nm AWG AWG	M3.5 0.8 20 10
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable	Max min	Nm AWG AWG	M3.5 0.8 20 10
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable	Max	Nm AWG AWG	M3.5 0.8 20 10
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable	Max min Max	Nm AWG AWG AWG	M3.5 0.8 20 10 20 12
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable	Max min Max min	Nm AWG AWG AWG AWG AWG	M3.5 0.8 20 10 20 12 0.5
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	Nm AWG AWG AWG	M3.5 0.8 20 10 20 12
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable	Max min Max min Max	Nm AWG AWG AWG AWG mm² mm²	M3.5 0.8 20 10 20 12 0.5 4
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	M3.5 0.8 20 10 20 12 0.5 4
Mechanical features Terminals screw Tightening torque for te Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	M3.5 0.8 20 10 20 12 0.5 4
Mechanical features Terminals screw Tightening torque for te Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	M3.5 0.8 20 10 20 12 0.5 4
Mechanical features Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	M3.5 0.8 20 10 20 12 0.5 4
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Mechanical features Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	M3.5 0.8 20 10 20 12 0.5 4
Mechanical features Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control	Max min Max min Max min min	AWG AWG AWG AWG mm² mm²	M3.5 0.8 20 10 20 12 0.5 4
Mechanical features Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control	Max min Max min Max min Max	Nm AWG AWG AWG AWG mm² mm² mm² cycles	M3.5 0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶
Mechanical features Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control	Max min Max min Max min Max 120V 240V	Nm AWG AWG AWG AWG mm² mm² cycles	M3.5 0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶
Mechanical features Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control	Max min Max min Max min Max 120V 240V 480V	Nm AWG AWG AWG AWG mm² mm² cycles	M3.5 0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶
Mechanical features Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control for three-phase motor	Max min Max min Max min Max 120V 240V	Nm AWG AWG AWG AWG mm² mm² cycles	M3.5 0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶
Mechanical features Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control	Max min Max min Max min Max 120V 240V 480V 600V	Nm AWG AWG AWG AWG mm² mm² cycles HP HP HP HP	M3.5 0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶
Mechanical features Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V	Nm AWG AWG AWG AWG mm² mm² cycles	M3.5 0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶



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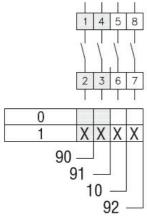
Ambient conditions Temperature Operating temperature °C min -25 °C +55 max Storage temperature °C min -40 °C +70 max Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP00

5 10 10

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

Dimensions



Certifications and compliance

Compliance

CSA	C22.2	n°	14
IEC/E	NI/DC	60	047

· L	O/ L	14/00	00341-1
ΙE	C/E	N/BS	60947-3

IEC/EN/BS 60947-5-1 UL60947-4-1

Certificates

cCSAus

EAC





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UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete