# ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 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			10 - ON/OFF
N° of elements			switch 3 poles 2
N of elements			O48 - Modular
			service cover for
Mounting form			35mm din rail
			mounting with
			black handle
Contact characteristics			
Rated insulation voltage Ui	-0/EN		000
	EC/EN	V	690
	L/CSA	V kV	600
Rated impulse withstand voltage Uimp  Conventional free air thermal current Ith		KV	0
	EC/EN	Α	25
	L/CSA	A	30
Rated operational voltage	1700A		480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
(3-)	10kA	Α	25
	15kA	Α	25
	25kA	Α	25
Rated short time current lcw			
	1s	Α	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	25
AC15	4.40).4		4.0
	110V	A	16
	/230V	A	12
	/400V /690V	A A	8 2
Rated operational power in AC	7090 V		
Three-phase AC-3			
	/230V	kW	5.5
	/440V	kW	7.5
	/690V	kW	7.5
Single-phase AC-3			
	110V	kW	1.5
220	/230V	kW	3
380	/440V	kW	5.5



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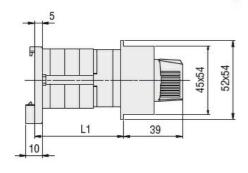
	Three-phase AC23A			
	•	220/230V	kW	6.5
		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC23A	000/0007	11.4.4	- ' '
	Single-phase A023A	110V	kW	1.5
		220/230V	kW	3.7
		380/440V	kW	5.5
Rated operational cur				
	DC21A			
		48V	Α	25
		60V	Α	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)			
		24V	Α	25 (1)
		48V	A	25 (2)
		60V		
			A	25 (3)
		110V	Α	12 (3)
		220V	Α	10 (4)
	DC13			
		24V	Α	25
		48V	Α	20
		60V	Α	16
		110V	Α	1.5
		220V	Α	0.4
Power dissipation			W	1.1
Mechanical features				
Mechanical features Terminals screw				M3 5
Terminals screw	terminals may			M3.5
Terminals screw Tightening torque for	terminals max		Nm	M3.5 0.8
Terminals screw				
Terminals screw Tightening torque for	terminals max  AWG - Rigid cable		Nm	0.8
Terminals screw Tightening torque for		min	Nm AWG	20
Terminals screw Tightening torque for	AWG - Rigid cable	min Max	Nm	0.8
Terminals screw Tightening torque for		Max	Nm AWG AWG	0.8 20 10
Terminals screw Tightening torque for	AWG - Rigid cable		Nm AWG	20
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max	Nm AWG AWG	0.8 20 10
Terminals screw Tightening torque for	AWG - Rigid cable	Max min	Nm AWG AWG	0.8 20 10 20
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min	Nm AWG AWG	0.8 20 10 20
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min Max	Nm  AWG AWG  AWG  AWG	0.8 20 10 20 12
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min	Nm  AWG AWG  AWG  AWG  AWG	0.8 20 10 20 12 0.5
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable	Max min Max min Max	Nm  AWG AWG  AWG  AWG  mm² mm²	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max min min	Nm  AWG AWG  AWG  AWG  mm²  mm²	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for Conductor size	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for Conductor size  Mechanical life	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max min min	Nm  AWG AWG  AWG  AWG  mm²  mm²	0.8 20 10 20 12 0.5 4
Terminals screw Tightening torque for 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	0.8 20 10 20 12 0.5 4
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Terminals screw Tightening torque for 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 Max	Nm  AWG AWG  AWG  AWG  mm² mm²  cycles	0.8  20 10  20 12  0.5 4  0.5 4  5x106
Terminals screw Tightening torque for 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 Max	Nm  AWG AWG  AWG  AWG  mm²  mm²  cycles	0.8  20 10  20 12  0.5 4  0.5 4  5x10 <sup>6</sup>
Terminals screw Tightening torque for 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 Max  120V 240V	Nm  AWG AWG  AWG  AWG  mm² mm²  cycles	0.8  20 10  20 12  0.5 4  0.5 4  5x106
Terminals screw Tightening torque for 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 Max	Nm  AWG AWG  AWG  AWG  mm²  mm²  cycles	0.8  20 10  20 12  0.5 4  0.5 4  5x10 <sup>6</sup>
Terminals screw Tightening torque for 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 Max  120V 240V	Nm  AWG AWG  AWG  AWG  mm²  mm²  cycles	0.8  20 10  20 12  0.5 4  0.5 4  5x10 <sup>6</sup>
Terminals screw Tightening torque for Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-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  HP  HP	0.8  20 10  20 12  0.5 4  0.5 4  5x10 <sup>6</sup>
Terminals screw Tightening torque for 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 Max  120V 240V 480V 600V	Nm  AWG AWG  AWG  AWG  mm²  mm²  cycles  HP  HP  HP  HP	0.8  20 10  20 12  0.5 4  0.5 4  5x10 <sup>6</sup> 3 5 10 15
Terminals screw Tightening torque for Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-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  HP  HP	0.8  20 10  20 12  0.5 4  0.5 4  5x10 <sup>6</sup>



**ENERGY AND AUTOMATION** 

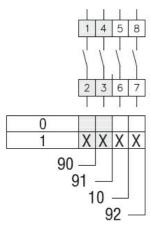
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#### Ambient conditions Temperature Operating temperature °C min -25 °C +55 max Storage temperature °C min -40 °C +70 max Resistance & Protection Frontal IP degree IP40 Terminals IP degree IP00 **Dimensions**



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 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





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UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete