

**ENERGY AND AUTOMATION** 

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 32A, FOR REAR MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0, DOOR COUPLING AND PROTECTION COVERS, FRONT PLATE 65X65MM



Product designation			Rotary cam
-			switches
Product type designation  General characteristics			7GN32
			91 - ON/OFF
Switching diagram			switch 2 poles
N° of elements			1
Mounting form  Contact characteristics			O98 - Rear mounting with red/yellow handle padlockable in 0, door coupling and protection covers
Rated insulation voltage Ui			
Nation insulation voltage of	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			_
	IEC/EN	Α	32
Party Language and Latter and	UL/CSA	A	40
Rated operational voltage Rated operational impulse voltage		V kV	480
Maximum fuse size for short-circuit protection In (gG)		K V	<del></del>
Maximum ruse size for short offeat protection in (ge)	10kA	Α	32
	15kA	Α	32
	25kA	Α	32
	50kA	Α	32
Rated short time current lcw			
	1s	kA	800
Conductivity			10/5 mA/V
Operational current le IEC/EN  AC1/AC21A			
ACT/ACZTA		Α	32
AC15			
	110V	Α	25
	220/230V	Α	20
	380/400V	Α	10
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	7.5
	220/230V 380/440V	kW	7.5 11
	500/440V	kW	11
Single-phase AC-3			



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		110V	kW	2.2
		220/230V	kW	4
		380/440V	kW	6.5
	Three-phase AC23A			
	•	220/230V	kW	8
		380/440V	kW	15
		500/690V	kW	18.5
	Single-phase AC23A			
	3 1 333	110V	kW	2.2
		220/230V	kW	4
		380/440V	kW	7.5
Rated operational curre	ent in DC			
	DC21A			
		48V	Α	32
		60V	A	32
		110V	A	6
		220V	A	0.9
	DC23A (poles in series)	220 V		J.J
	DOZON (POICS III SEIIES)	24V	Α	32 (1)
		48V	A	32 (1)
		60V	A	
		110V		32 (3)
			A	15 (3)
	DOM	220V	Α	12 (4)
	DC13	0.41/	Δ.	20
		24V	A	32
		48V	Α	25
		60V	A	16
		110V	Α	3
		220V	Α	0.5
Power dissipation			W	1.5
Mechanical features				
Terminals screw				M4
Terminals screw Tightening torque for te	erminals max		Nm	M4 1.2
Terminals screw			Nm	
Terminals screw Tightening torque for te	erminals max  AWG - Rigid cable			1.2
Terminals screw Tightening torque for te		min	AWG	1.2
Terminals screw Tightening torque for te	AWG - Rigid cable	min Max		1.2
Terminals screw Tightening torque for te		Max	AWG AWG	1.2 16 8
Terminals screw Tightening torque for te	AWG - Rigid cable	Max min	AWG AWG	1.2 16 8
Terminals screw Tightening torque for te	AWG - Rigid cable  AWG - Flexible cable	Max	AWG AWG	1.2 16 8
Terminals screw Tightening torque for te	AWG - Rigid cable	Max min Max	AWG AWG AWG	1.2 16 8 16 10
Terminals screw Tightening torque for te	AWG - Rigid cable  AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	1.2 16 8 16 10
Terminals screw Tightening torque for te	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	1.2 16 8 16 10
Terminals screw Tightening torque for te	AWG - Rigid cable  AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	1.2 16 8 16 10 1.5 4
Terminals screw Tightening torque for te	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10
Terminals screw Tightening torque for te	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG	1.2 16 8 16 10 1.5 4
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	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 4
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	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 4
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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	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 4
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	AWG AWG AWG mm² mm² cycles	1.2  16 8  16 10  1.5 4  1.5 6 5x10 <sup>6</sup>
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	AWG AWG AWG AWG mm² mm² cycles	1.2  16 8  16 10  1.5 4  1.5 6 5x10 <sup>6</sup>
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	AWG AWG AWG AWG mm² mm² cycles	1.2  16 8  16 10  1.5 4  1.5 6 5x10 <sup>6</sup>



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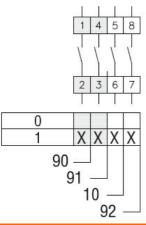
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	for single-phase motor			
		120V	HP	2
		240V	HP	5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protecti	on			
Frontal IP degree				IP40
Terminals IP degree				IP00

# 

Carios	Dimensions					L					
Series	□A	D1	D2	Е	G	□K	S	1	2	3	12
7GN12	65	12	5	34.2	5	36	45-55	41.1	50.8	60.5	147.8
7GN20	65	12	5	34.2	5	36	45-55	41.1	50.8	60.5	147.8
7GN25	65	14	5	38	6	48	45-55	51.5	66.6	81.7	217.6
7GN40	65	14	5	38	6	48	45-55	51.5	66.6	81.7	217.6
7GN63	65	14	6	38	6	68	45-55	57.3	75.4	93.5	256.4

## 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



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# 7GN3291098

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EAC		
UL		

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete