

**ENERGY AND AUTOMATION** 

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 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
Switching diagram				07 - ON/OFF switch 3 poles
N° of elements				2
Mounting form				O88 - Rear mounting with red/yellow handle padlockable in 0, door coupling and protection covers
Contact characteristics				
Rated insulation voltag	e Ui			
		IEC/EN	V	690
Data di incresione estitata de	ad valla a a I Basa	UL/CSA	V	600
Rated impulse withstar Conventional free air th	·		kV	6
Conventional free air tr	nermal current ith	IEC/EN	۸	32
		UL/CSA	A A	40
Rated operational volta	ane	OLICOA	$\frac{\lambda}{V}$	480
Rated operational impu			kV	4
	short-circuit protection In (gG)		ic v	<del></del>
Waxiiiiaiii 1400 0120 101	chort official protocolors in (gC)	10kA	Α	32
		15kA	Α	32
		25kA	Α	32
		50kA	Α	32
Rated short time curre	nt Icw			
		1s	kA	800
Conductivity				10/5 mA/V
Operational current le	IEC/EN			
	AC1/AC21A			
			Α	32
	AC15			
		110V	Α	25
		220/230V	Α	20
		380/400V	A	10
Dated apprehinged new	ar in AC	660/690V	Α	2
Rated operational pow	Three-phase AC-3			
	Tillee-pilase AC-3	220/230V	kW	7.5
		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC-3			
	emigic pridocyte c	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			



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7GN3207O88

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		110V	kW	2.2	
		220/230V	kW	4	
		380/440V	kW	7.5	
Rated operational curre	ent in DC	000/1101	1000	7.0	
rated operational curre	DC21A				
	DCZTA	4017			
		48V	Α	32	
		60V	Α	32	
		110V	Α	6	
		220V	Α	0.9	
	DC23A (poles in series)				
	_ 0_0/1 (poiso iii 00.100)	24V	Α	32 (1)	
		48V			
			A	32 (2)	
		60V	Α	32 (3)	
		110V	Α	15 (3)	
		220V	Α	12 (4)	
	DC13				
		24V	Α	32	
		48V	A	25	
		60V			
			A	16	
		110V	Α	3	
		220V	Α	0.5	
Power dissipation			W	1.5	
Mechanical features					
Terminals screw				M4	
Tightening torque for te			Nm	1.2	
	Hilliais max		INIII	1.2	
Conductor size					
	AWG - Rigid cable				
		min	AWG	16	
		Max	AWG	8	
	AWG - Flexible cable				
		min	AWG	16	
			AWG	10	
	O I ( (IEO) El	Max	AVVO	10	
	Conductor size (IEC) - Flexible cable				
	Conductor size (IEC) - Flexible cable	min	mm²	1.5	
	Conductor size (IEC) - Flexible cable				
	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	min	mm²	1.5	
		min Max	mm² mm²	1.5 4	
		min Max min	mm² mm²	1.5 4 1.5	
Machanical life		min Max	mm² mm² mm² mm²	1.5 4 1.5 6	
Mechanical life		min Max min	mm² mm²	1.5 4 1.5	_
UL technical data	Conductor size (IEC) - Rigid cable	min Max min	mm² mm² mm² mm²	1.5 4 1.5 6	
	Conductor size (IEC) - Rigid cable	min Max min	mm² mm² mm² mm²	1.5 4 1.5 6	
UL technical data	Conductor size (IEC) - Rigid cable	min Max min Max	mm² mm² mm² mm² cycles	1.5 4 1.5 6 5x10 <sup>6</sup>	
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UL technical data	Conductor size (IEC) - Rigid cable	min Max min Max 120V 240V	mm² mm² mm² cycles	1.5 4 1.5 6 5x10 <sup>6</sup>	
UL technical data	Conductor size (IEC) - Rigid cable	min Max min Max 120V 240V 480V	mm² mm² mm² cycles	1.5 4 1.5 6 5x10 <sup>6</sup> 5 10	
UL technical data	Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor	min Max min Max 120V 240V	mm² mm² mm² cycles	1.5 4 1.5 6 5x10 <sup>6</sup>	
UL technical data	Conductor size (IEC) - Rigid cable	min Max min Max 120V 240V 480V 600V	mm² mm² mm² cycles	1.5 4 1.5 6 5x10 <sup>6</sup> 5 10 15 15	
UL technical data	Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor	min Max min Max 120V 240V 480V 600V	mm² mm² mm² cycles  HP HP HP HP HP	1.5 4 1.5 6 5x10 <sup>6</sup> 5 10 15 15	
UL technical data	Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor	min Max min Max 120V 240V 480V 600V	mm² mm² mm² cycles	1.5 4 1.5 6 5x10 <sup>6</sup> 5 10 15 15	
UL technical data	Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor	min Max min Max 120V 240V 480V 600V	mm² mm² mm² cycles  HP HP HP HP HP	1.5 4 1.5 6 5x10 <sup>6</sup> 5 10 15 15	
UL technical data Motor power for direct-	Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor	min Max min Max 120V 240V 480V 600V	mm² mm² mm² cycles  HP HP HP HP HP	1.5 4 1.5 6 5x10 <sup>6</sup> 5 10 15 15	
UL technical data Motor power for direct-	Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor  for single-phase motor	min Max min Max 120V 240V 480V 600V	mm² mm² mm² cycles  HP HP HP HP HP	1.5 4 1.5 6 5x10 <sup>6</sup> 5 10 15 15	
UL technical data Motor power for direct-	Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor	min Max min Max 120V 240V 480V 600V 120V 240V	mm² mm² mm² cycles	1.5 4 1.5 6 5x10 <sup>6</sup> 5 10 15 15	
UL technical data Motor power for direct-	Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor  for single-phase motor	min Max min Max 120V 240V 480V 600V 120V 240V	mm² mm² mm² cycles  HP HP HP HP HP HP	1.5 4 1.5 6 5x10 <sup>6</sup> 5 10 15 15 2 5	
UL technical data Motor power for direct-	Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor  for single-phase motor	min Max min Max 120V 240V 480V 600V 120V 240V	mm² mm² mm² cycles	1.5 4 1.5 6 5x10 <sup>6</sup> 5 10 15 15	



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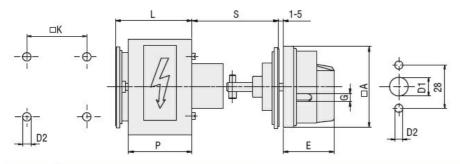
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# Storage temperature

min	°C	-40	
max	°C	+70	

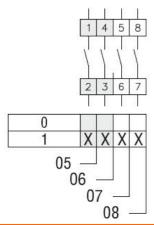
Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00

### **Dimensions**



Carias	Dimensions								
Series	□A	D1	D2	Е	G	□K	S	Р	L
7GN12	65	12	5	34.2	5	36	45-55	43	51.3
7GN20	65	12	5	34.2	5	36	45-55	43	51.3
7GN25	65	12	5	34.2	5	36	45-55	51	59.6
7GN32	65	14	5	38	6	48	45-55	55	68.7
7GN40	65	14	5	38	6	48	45-55	55	68.7

# 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

UL

# ETIM classification





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ETIM 8.0

EC001029 -Selector switch, complete