

Product designation				Rotary cam switches
Product type designation				7GN32
<b>General characteristics</b>				
Switching diagram				109 - Multi-step 0-1-2-3-4 1 pole
N° of elements				2
Mounting form				U - Front mounting with black handle
<b>Contact characteristics</b>				
Rated insulation voltage $U_i$	IEC/EN	V	690	
	UL/CSA	V	600	
Rated impulse withstand voltage $U_{imp}$			kV	6
Conventional free air thermal current $I_{th}$	IEC/EN	A	32	
	UL/CSA	A	40	
Rated operational voltage			V	480
Rated operational impulse voltage			kV	4
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	32	
	15kA	A	32	
	25kA	A	32	
	50kA	A	32	
Rated short time current $I_{cw}$			1s	kA
				800
Conductivity				10/5 mA/V
Operational current $I_e$ IEC/EN	AC1/AC21A			A
				32
AC15	110V	A	25	
	220/230V	A	20	
	380/400V	A	10	
	660/690V	A	2	
Rated operational power in AC	Three-phase AC-3			
	220/230V	kW	7.5	
	380/440V	kW	11	
	500/690V	kW	11	
	Single-phase AC-3			
	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				
110V	kW	2.2		
220/230V	kW	4		
380/440V	kW	7.5		

Rated operational current in DC  
DC21A

48V	A	32
60V	A	32
110V	A	6
220V	A	0.9

DC23A (poles in series)

24V	A	32 (1)
48V	A	32 (2)
60V	A	32 (3)
110V	A	15 (3)
220V	A	12 (4)

DC13

24V	A	32
48V	A	25
60V	A	16
110V	A	3
220V	A	0.5

Power dissipation

W	1.5
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Mechanical features

Terminals screw

M4

Tightening torque for terminals max

Nm	1.2
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Conductor size

AWG - Rigid cable

min	AWG	16
Max	AWG	8

AWG - Flexible cable

min	AWG	16
Max	AWG	10

Conductor size (IEC) - Flexible cable

min	mm <sup>2</sup>	1.5
Max	mm <sup>2</sup>	4

Conductor size (IEC) - Rigid cable

min	mm <sup>2</sup>	1.5
Max	mm <sup>2</sup>	6

Mechanical life

cycles	5x10 <sup>6</sup>
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UL technical data

Motor power for direct-on-line control

for three-phase motor

120V	HP	5
240V	HP	10
480V	HP	15
600V	HP	15

for single-phase motor

120V	HP	2
240V	HP	5

Ambient conditions

Temperature

Operating temperature

min	°C	-25
max	°C	+55

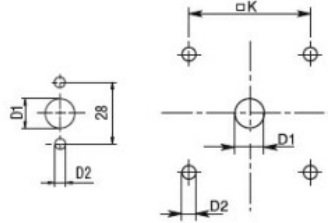
Storage temperature

min	°C	-40
max	°C	+70

**Resistance & Protection**

Frontal IP degree	IP40
Terminals IP degree	IP00

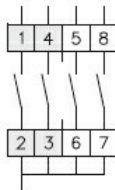
**Dimensions**



Standard drillings for 7GN125.  
Drillings on request for 4 screws fixing  
(4V version).

Series	Dimensions									L Number of elements											
	□A	C	ØD	ØD1	ØD2	E	ØG	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN20	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN25	48	39.5	43	12	5	26.5	38	36	6	40.5	54.1	67.7	81.3	94.9	108.5	122.1	135.7	147.3	162.9	176.5	190.1
7GN32	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN40	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN63	65	53	62	14	5	34.5	58.5	48	7	50.3	68.4	86.5	104.6	122.7	140.8	158.9	177	195.1	213.2	231.3	249.4
7GN125	90	70.5	86	16	6	41.5	84	68	9	67.3	96.4	125.5	154.6	183.7	220.3	249.4	278.5	307.6	336.7	365.8	394.9

**Wiring diagrams**



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1	X			
2			X	
3		X		
4				X

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**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**

ETIM 8.0

EC001029 -  
Selector switch,  
complete