

Product designation	Rotary cam switches		
Product type designation	7GN63		
<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 Ui	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN	A	63
	UL/CSA	A	60
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA	A	63
	15kA	A	63
	25kA	A	63
	50kA	A	63
	63kA	A	63
Rated short time current Icw	1s	kA	1600
Conductivity			10/5 mA/V
Operational current Ie IEC/EN			
AC1/AC21A		A	63
AC15	110V	A	32
	220/230V	A	25
	380/400V	A	15
	660/690V	A	4
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	11
	380/440V	kW	18.5
	500/690V	kW	18.5
Single-phase AC-3	110V	kW	3.7
	220/230V	kW	6.5
	380/440V	kW	11.5
Three-phase AC23A	220/230V	kW	12.5
	380/440V	kW	30
	500/690V	kW	30
Single-phase AC23A	110V	kW	3.7
	220/230V	kW	7.5

	380/440V	kW	12.5
Rated operational current in DC			
DC21A			
48V	A	63	
60V	A	50	
110V	A	8	
220V	A	1	
DC23A (poles in series)			
24V	A	50 (1)	
48V	A	50 (2)	
60V	A	50 (3)	
110V	A	25 (3)	
220V	A	15 (4)	
DC13			
24V	A	63	
48V	A	40	
60V	A	28	
110V	A	3.3	
Power dissipation		W	3.4
<b>Mechanical features</b>			
Terminals screw			M5
Tightening torque for terminals max		Nm	2
Conductor size			
AWG - Rigid cable		min	AWG 14
		Max	AWG 6
AWG - Flexible cable		min	AWG 14
		Max	AWG 8
Conductor size (IEC) - Flexible cable		min	mm <sup>2</sup> 2.5
		Max	mm <sup>2</sup> 10
Conductor size (IEC) - Rigid cable		min	mm <sup>2</sup> 2.5
		Max	mm <sup>2</sup> 16
Mechanical life		cycles	5x10 <sup>6</sup>
<b>UL technical data</b>			
Motor power for direct-on-line control			
for three-phase motor			
120V	HP	7.5	
240V	HP	15	
480V	HP	25	
600V	HP	25	
for single-phase motor			
120V	HP	3	
240V	HP	10	
<b>Ambient conditions</b>			
Temperature			
Operating temperature		min	°C -25
		max	°C +55
Storage temperature		min	°C -40
		max	°C +70

Resistance & Protection

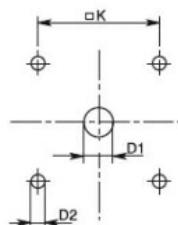
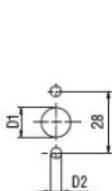
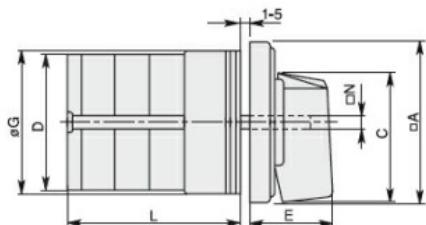
Frontal IP degree

IP40

Terminals IP degree

IP00

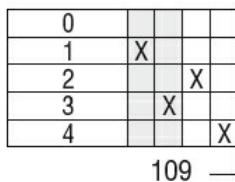
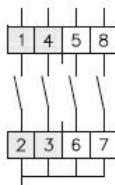
Dimensions



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



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