

Product designation	Rotary cam switches		
Product type designation	7GN25		
<b>General characteristics</b>			
Switching diagram	98 - Ammeter switch		
N° of elements	3		
Mounting form	U - Front mounting with black handle		
<b>Contact characteristics</b>			
Rated insulation voltage Ui	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN UL/CSA	A A	25 30
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA 15kA 25kA	A	25 25 25
Rated short time current Icw	1s	kA	400
Conductivity			10/5 mA/V
Operational current Ie IEC/EN			
AC1/AC21A		A	25
AC15	110V 220/230V 380/400V 660/690V	A	16 12 8 2
Rated operational power in AC			
Three-phase AC-3	220/230V 380/440V 500/690V	kW	5.5 7.5 7.5
Single-phase AC-3	110V 220/230V 380/440V	kW	1.5 3 5.5
Three-phase AC23A	220/230V 380/440V 500/690V	kW	6.5 11 11
Single-phase AC23A	110V 220/230V 380/440V	kW	1.5 3.7 5.5
Rated operational current in DC			

DC21A

48V	A	25
60V	A	25
110V	A	4
220V	A	0.7

DC23A (poles in series)

24V	A	25 (1)
48V	A	25 (2)
60V	A	25 (3)
110V	A	12 (3)
220V	A	10 (4)

DC13

24V	A	25
48V	A	20
60V	A	16
110V	A	1.5
220V	A	0.4

Power dissipation

W 1.1

Mechanical features

Terminals screw M3.5

Tightening torque for terminals max

Nm 0.8

Conductor size

AWG - Rigid cable

min	AWG	20
Max	AWG	10

AWG - Flexible cable

min	AWG	20
Max	AWG	12

Conductor size (IEC) - Flexible cable

min	mm <sup>2</sup>	0.5
Max	mm <sup>2</sup>	4

Conductor size (IEC) - Rigid cable

min	mm <sup>2</sup>	0.5
Max	mm <sup>2</sup>	4

Mechanical life

cycles 5x10<sup>6</sup>

UL technical data

Motor power for direct-on-line control

for three-phase motor

120V	HP	3
240V	HP	5
480V	HP	10
600V	HP	15

for single-phase motor

120V	HP	1.5
240V	HP	3

Ambient conditions

Temperature

Operating temperature

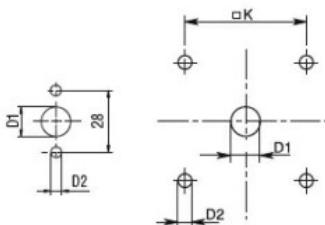
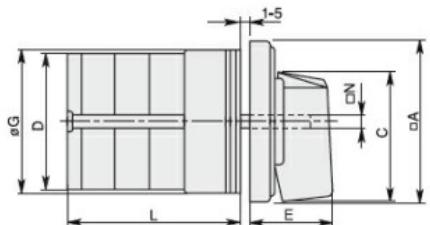
min	°C	-25
max	°C	+55

Storage temperature

min	°C	-40
max	°C	+70

Resistance & Protection

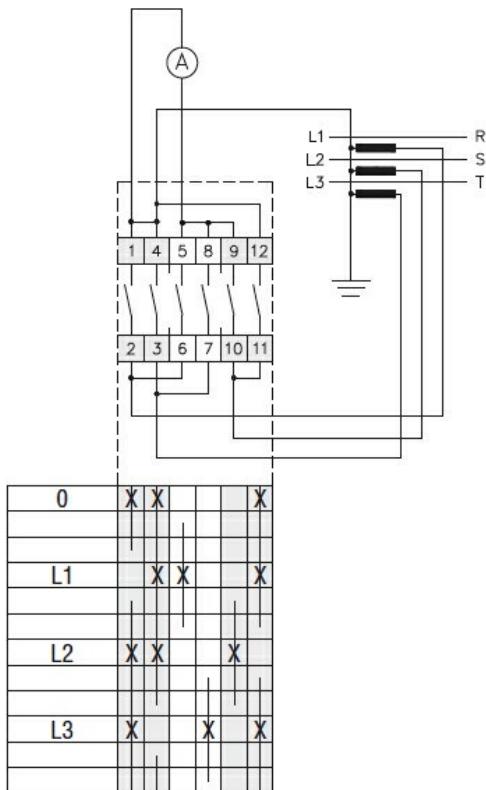
Frontal IP degree	IP40
Terminals IP degree	IP00
Dimensions	



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
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

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Certificates

cCSAus

EAC

UL

ETIM classification

ETIM 8.0

EC001029 -  
Selector switch,  
complete