

Product designation	Rotary cam switches
Product type designation	7GN25
<b>General characteristics</b>	
Switching diagram	75 - Changeover switch 4 poles
N° of elements	4
Mounting form	O - Rear 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 25
	UL/CSA A 30
Rated operational voltage	V 480
Rated operational impulse voltage	kV 4
Maximum fuse size for short-circuit protection In (gG)	
	10kA A 25
	15kA A 25
	25kA A 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 A 16
	220/230V A 12
	380/400V A 8
	660/690V A 2
Rated operational power in AC	
Three-phase AC-3	
	220/230V kW 5.5
	380/440V kW 7.5
	500/690V kW 7.5
Single-phase AC-3	
	110V kW 1.5
	220/230V kW 3
	380/440V kW 5.5
Three-phase AC23A	
	220/230V kW 6.5
	380/440V kW 11
	500/690V kW 11
Single-phase AC23A	
	110V kW 1.5
	220/230V kW 3.7
	380/440V kW 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
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**Mechanical features**

Terminals screw	M3.5
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Tightening torque for terminals max	Nm	0.8
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**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>
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**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**

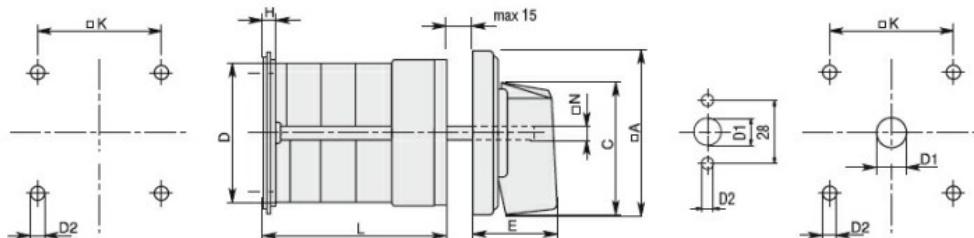
Frontal IP degree

IP40

Terminals IP degree

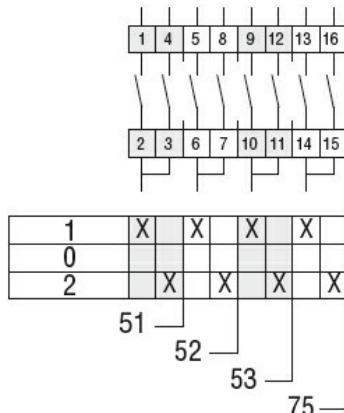
IP00

Dimensions



Series	Dimensions								L	Number of elements											
	A	C	ØD	ØD2	E	H	ØK	ØN		1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8	
7GN20	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8	
7GN25	48	39.5	43	5	26.5	5	36	6	42.5	56.1	69.7	83.3	96.9	110.5	124.1	137.7	151.3	164.9	178.5	192.1	
7GN32	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6	
7GN40	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6	
7GN63	65	53	62	6	34.5	7.5	68	7	53.3	71.4	89.5	107.6	125.7	143.8	161.9	180	198.1	216.2	234.3	252.4	
7GN125	90	70.5	86	6	41.4	7.5	68	9	74.8	103.9	133	162.1	191.2	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