

Product designation	Rotary cam switches		
Product type designation	7GN12		
<b>General characteristics</b>			
Switching diagram	06 - ON/OFF switch 2 poles		
N° of elements	1		
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	16
	UL/CSA	A	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA	A	16
	15kA	A	10
	25kA	A	10
Rated short time current Icw	1s	kA	200
Conductivity	10/5 mA/V		
Operational current Ie IEC/EN			
AC1/AC21A		A	16
AC15	110V	A	10
	220/230V	A	8
	380/400V	A	4
	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	2.5
	380/440V	kW	4
	500/690V	kW	5.5
Single-phase AC-3	110V	kW	0.8
	220/230V	kW	1.5
	380/440V	kW	2.2
Three-phase AC23A	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	7.5
Single-phase AC23A	110V	kW	0.8
	220/230V	kW	1.7
	380/440V	kW	3
Rated operational current in DC			

**DC21A**

48V	A	12
60V	A	12
110V	A	4
220V	A	0.6
440V	A	0.25

**DC23A (poles in series)**

24V	A	10 (1)
48V	A	10 (2)
60V	A	10 (3)
110V	A	5 (3)
220V	A	5 (4)

**DC13**

24V	A	12
48V	A	10
60V	A	8
110V	A	1
220V	A	0.4
440V	A	0.15

Power dissipation	W	0.8
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**Mechanical features**

Terminals screw	M3
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Tightening torque for terminals max	Nm	0.5
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**Conductor size**
**AWG - Rigid cable**

min	AWG	20
Max	AWG	12

**AWG - Flexible cable**

min	AWG	20
Max	AWG	14

**Conductor size (IEC) - Flexible cable**

min	mm <sup>2</sup>	0.5
Max	mm <sup>2</sup>	2.5

**Conductor size (IEC) - Rigid cable**

min	mm <sup>2</sup>	0.5
Max	mm <sup>2</sup>	2.5

Mechanical life	cycles	3x10 <sup>6</sup>
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**UL technical data**
**Motor power for direct-on-line control**
**for three-phase motor**

120V	HP	1.5
240V	HP	3

**for single-phase motor**

120V	HP	0.5
240V	HP	1

**Ambient conditions**
**Temperature**
**Operating temperature**

min	°C	-25
max	°C	+55

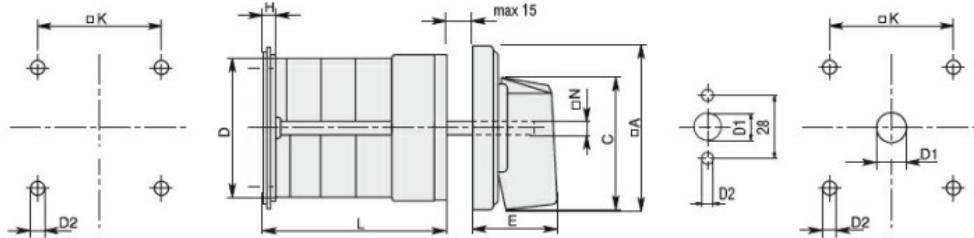
**Storage temperature**

min	°C	-40
max	°C	+70

**Resistance & Protection**

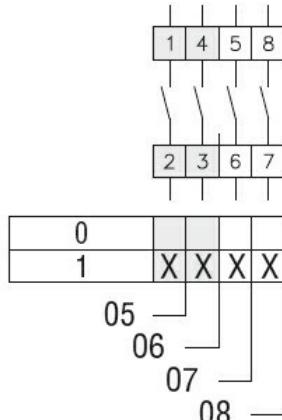
ENERGY AND AUTOMATION

Frontal IP degree	IP40
Terminals IP degree	IP00
Dimensions	



Series	Dimensions								L	Number of elements											
	A	C	D	D2	E	H	K	N		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