

Product designation	Rotary cam switches		
Product type designation	7GN63		
General characteristics			
Switching diagram	07 - ON/OFF switch 3 poles		
N° of elements	2		
Mounting form	O98 - Rear mounting with red/yellow handle padlockable in 0, door coupling and protection covers		
Contact characteristics			
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	63 60
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA 15kA 25kA 50kA 63kA	A A A A A	63 63 63 63 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 220/230V 380/400V 660/690V	A A A A	32 25 15 4
Rated operational power in AC			
Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	11 18.5 18.5
Single-phase AC-3	110V 220/230V 380/440V	kW kW kW	3.7 6.5 11.5
Three-phase AC23A	220/230V 380/440V 500/690V	kW kW kW	12.5 30 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
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### Mechanical features

#### Terminals screw

M5

#### Tightening torque for terminals max

Nm	2
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### 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>
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### UL technical data

#### 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

### Ambient conditions

#### Temperature

##### Operating temperature

min	°C	-25
max	°C	+55

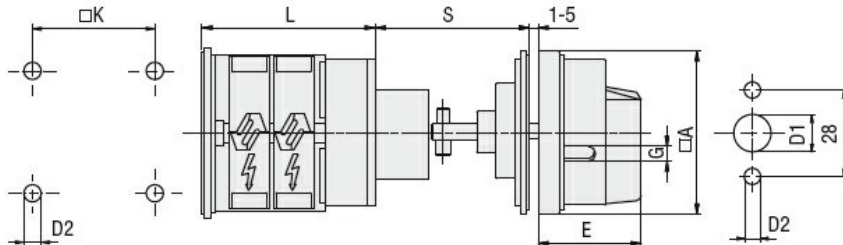
Storage temperature

min	°C	-40
max	°C	+70

Resistance & Protection

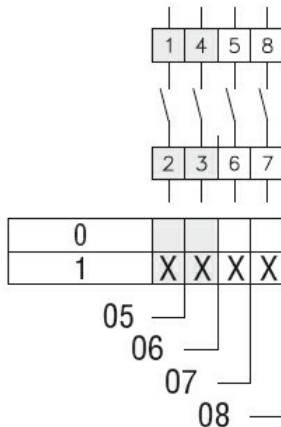
Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions



Series	Dimensions							L			
	□A	D1	D2	E	G	□K	S	1	2	3....12	
7GN12	65	12	5	34.2	5	36	45-55	41.1	50.8	60.5	147.8
7GN20	65	12	5	34.2	5	36	45-55	41.1	50.8	60.5	147.8
7GN25	65	14	5	38	6	48	45-55	51.5	66.6	81.7	217.6
7GN40	65	14	5	38	6	48	45-55	51.5	66.6	81.7	217.6
7GN63	65	14	6	38	6	68	45-55	57.3	75.4	93.5	256.4

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