



Product designation	Rotary cam switches		
Product type designation	7GN40		
General characteristics			
Switching diagram	91 - ON/OFF switch 2 poles		
N° of elements	1		
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	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN	A	40
	UL/CSA	A	50
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA	A	40
	15kA	A	40
	25kA	A	40
	50kA	A	40
	63kA	A	40
Rated short time current Icw	1s	kA	1000
Conductivity	10/5 mA/V		
Operational current Ie IEC/EN			
AC1/AC21A	A	40	
AC15			
	110V	A	25
	220/230V	A	22
	380/400V	A	12
	660/690V	A	2
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	8
	380/440V	kW	15
	500/690V	kW	15

Single-phase AC-3	110V	kW	3
	220/230V	kW	6.5
	380/440V	kW	8
Three-phase AC23A	220/230V	kW	8
	380/440V	kW	18.5
	500/690V	kW	22
Single-phase AC23A	110V	kW	3
	220/230V	kW	6
	380/440V	kW	11
Rated operational current in DC			
DC21A	48V	A	40
	60V	A	40
	110V	A	6
	220V	A	0.9
DC23A (poles in series)	24V	A	40 (1)
	48V	A	40 (2)
	60V	A	40 (3)
	110V	A	20 (3)
	220V	A	12 (4)
DC13	24V	A	40
	48V	A	32
	60V	A	16
	110V	A	3
Power dissipation		W	2.0
Mechanical features			
Terminals screw			M4
Tightening torque for terminals max		Nm	1.2
Conductor size			
AWG - Rigid cable	min	AWG	16
	Max	AWG	8
AWG - Flexible cable	min	AWG	16
	Max	AWG	10
Conductor size (IEC) - Flexible cable	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	6
Conductor size (IEC) - Rigid cable	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	10
Mechanical life		cycles	5x10 <sup>6</sup>
UL technical data			
Motor power for direct-on-line control			
for three-phase motor	120V	HP	5
	240V	HP	10
	480V	HP	20
	600V	HP	20

for single-phase motor

120V	HP	2
240V	HP	5

#### Ambient conditions

##### Temperature

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

min	°C	-40
max	°C	+70

#### Resistance & Protection

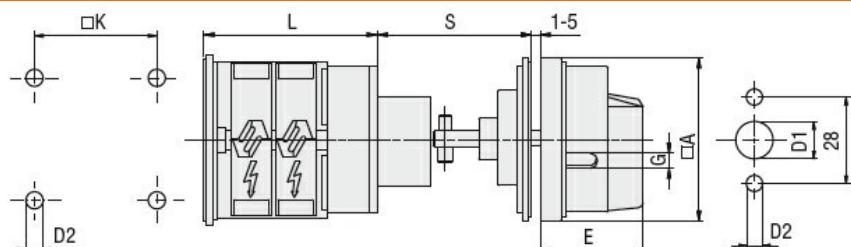
##### Frontal IP degree

IP40

##### Terminals IP degree

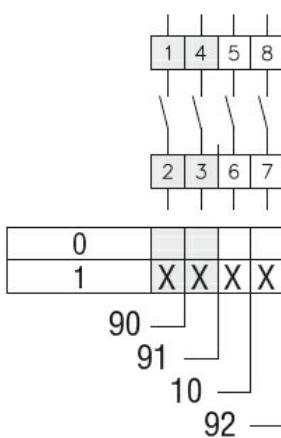
IP00

#### 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

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EAC

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UL

**ETIM classification**

ETIM 8.0

EC001029 -  
Selector switch,  
complete