

Product designation	Rotary cam switches		
Product type designation	7GN40		
General characteristics			
Switching diagram	06 - 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 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	40 50
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	40 40 40 40 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 220/230V 380/400V 660/690V	A A A A	25 22 12 2
Rated operational power in AC			
Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	8 15 15
Single-phase AC-3	110V 220/230V 380/440V	kW kW kW	3 6.5 8
Three-phase AC23A	220/230V 380/440V 500/690V	kW kW kW	8 18.5 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 ²	1.5
Max	mm ²	6

Conductor size (IEC) - Rigid cable

min	mm ²	1.5
Max	mm ²	10

Mechanical life

cycles 5x10⁶

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

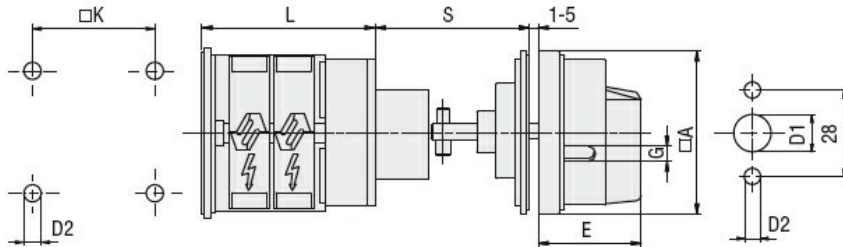
Storage temperature

min °C -40
max °C +70

Resistance & Protection

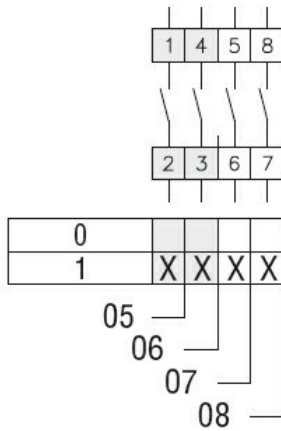
Frontal IP degree	IP40
Terminals IP degree	IP00

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
EAC
UL

ETIM classification

ETIM 8.0

EC001029 -
Selector switch,
complete