

Product designation			Rotary cam switches		
Product type designation			7GN40		
General characteristics					
Switching diagram			05 - ON/OFF switch 1 pole		
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 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

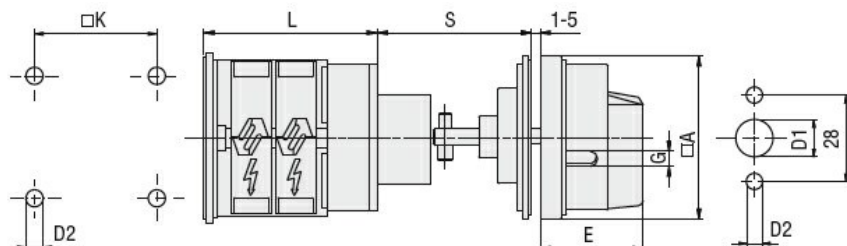
Storage temperature

min °C -40
max °C +70

Resistance & Protection

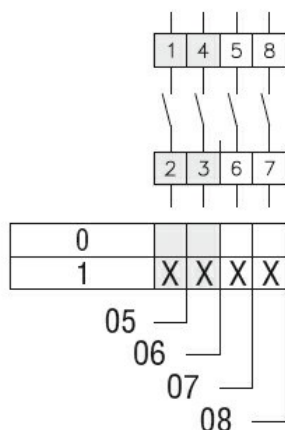
Frontal IP degree	IP40
Terminals IP degree	IP00

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