



Product designation

Rotary cam
switches

Product type designation

7GN63

General characteristics

Switching diagram

10 - 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 U_i

IEC/EN	V	690
UL/CSA	V	600

Rated impulse withstand voltage U_{imp}

kV	6
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Conventional free air thermal current I_{th}

IEC/EN	A	63
UL/CSA	A	60

Rated operational voltage

V	480
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Rated operational impulse voltage

kV	4
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Maximum fuse size for short-circuit protection I_n (gG)

10kA	A	63
15kA	A	63
25kA	A	63
50kA	A	63
63kA	A	63

Rated short time current I_{cw}

1s	kA	1600
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Conductivity

10/5 mA/V

Operational current I_e IEC/EN

AC1/AC21A

A	63
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AC15

110V	A	32
220/230V	A	25
380/400V	A	15
660/690V	A	4

Rated operational power in AC

Three-phase AC-3

220/230V	kW	11
380/440V	kW	18.5
500/690V	kW	18.5

Single-phase AC-3

110V	kW	3.7
220/230V	kW	6.5
380/440V	kW	11.5

Three-phase AC23A

220/230V	kW	12.5
380/440V	kW	30
500/690V	kW	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

Mechanical features

Terminals screw

M5

Tightening torque for terminals max

Nm 2

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 ²	2.5
Max	mm ²	10

Conductor size (IEC) - Rigid cable

min	mm ²	2.5
Max	mm ²	16

Mechanical life

cycles 5x10⁶

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

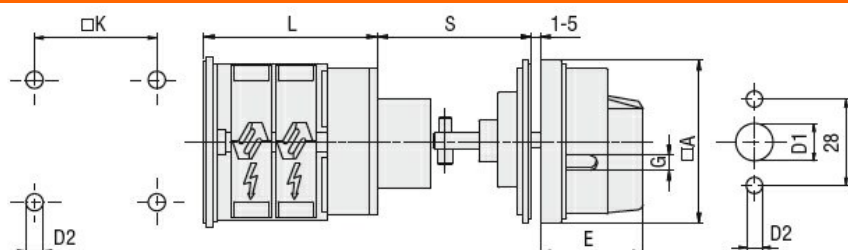
Frontal IP degree

IP40

Terminals IP degree

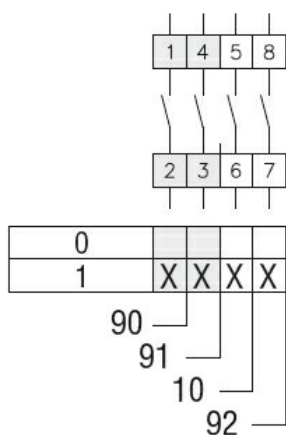
IP00

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

EC001105 - Off-
load switch