

Product designation

Rotary cam
switches

Product type designation

7GN40

General characteristics

Switching diagram

53 - Changeover
switch 3 poles - 2
speed motor
starting with
separate
windings

N° of elements

3

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	40
UL/CSA	A	50

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	40
15kA	A	40
25kA	A	40
50kA	A	40
63kA	A	40

Rated short time current I_{cw}

1s	kA	1000
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Conductivity

10/5 mA/V

Operational current I_e IEC/EN

AC1/AC21A

A	40
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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

ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 3 POLES - 2 SPEED MOTOR
STARTING WITH SEPARATE WINDINGS 40A, FOR REAR MOUNTING WITH RED/YELLOW
HANDLE PADLOCKABLE IN 0, DOOR COUPLING AND PROTECTION COVERS, FRONT
PLATE: 65X65

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
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Mechanical features

Terminals screw	M4
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Tightening torque for terminals max	Nm	1.2
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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	5x10 ⁶
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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

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Temperature

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

min	°C	-40
max	°C	+70

Resistance & Protection

Frontal IP degree	IP40
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Terminals IP degree	IP00
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ETIM classification

ETIM 8.0	EC001029 - Selector switch, complete
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