

Product designation

Rotary cam
switches

Product type designation

7GN32

General characteristics

Switching diagram

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

N° of elements

3

Mounting form

U65 - Front
mounting with
red/yellow handle
padlockable in 0
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	32
UL/CSA	A	40

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	32
15kA	A	32
25kA	A	32
50kA	A	32

Rated short time current I_{cw}

1s	kA	800
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Conductivity

10/5 mA/V

Operational current I_e IEC/EN

AC1/AC21A

A	32
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AC15

110V	A	25
220/230V	A	20
380/400V	A	10
660/690V	A	2

Rated operational power in AC

Three-phase AC-3

220/230V	kW	7.5
380/440V	kW	11
500/690V	kW	11

Single-phase AC-3

110V	kW	2.2
220/230V	kW	4
380/440V	kW	6.5

Three-phase AC23A

220/230V	kW	8
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ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 3 POLES - 2 SPEED MOTOR STARTING WITH SEPARATE WINDINGS 32A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE: 65X65

		380/440V	kW	15
		500/690V	kW	18.5
Single-phase AC23A				
		110V	kW	2.2
		220/230V	kW	4
		380/440V	kW	7.5
Rated operational current in DC				
DC21A				
		48V	A	32
		60V	A	32
		110V	A	6
		220V	A	0.9
DC23A (poles in series)				
		24V	A	32 (1)
		48V	A	32 (2)
		60V	A	32 (3)
		110V	A	15 (3)
		220V	A	12 (4)
DC13				
		24V	A	32
		48V	A	25
		60V	A	16
		110V	A	3
		220V	A	0.5
Power dissipation			W	1.5
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	4
Conductor size (IEC) - Rigid cable				
		min	mm ²	1.5
		Max	mm ²	6
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-on-line control				
for three-phase motor				
		120V	HP	5
		240V	HP	10
		480V	HP	15
		600V	HP	15
for single-phase motor				
		120V	HP	2
		240V	HP	5

Ambient conditions

Temperature

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STARTING WITH SEPARATE WINDINGS 32A, FOR FRONT MOUNTING WITH RED/YELLOW
HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE: 65X65

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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