

| | |
|---|--|
| Product designation | Rotary cam switches |
| Product type designation | 7GN32 |
| General characteristics | |
| Switching diagram | 06 - ON/OFF switch 2 poles |
| N° of elements | 1 |
| Mounting form | O88 - 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 |
| Conventional free air thermal current I_{th} | IEC/EN A 32 UL/CSA A 40 |
| Rated operational voltage | V 480 |
| Rated operational impulse voltage | kV 4 |
| 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 |
| Conductivity | 10/5 mA/V |
| Operational current I_e IEC/EN | |
| AC1/AC21A | A 32 |
| 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 8 380/440V 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 5x10⁶

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

Operating temperature

| | | |
|-----|----|-----|
| min | °C | -25 |
| max | °C | +55 |

Storage temperature

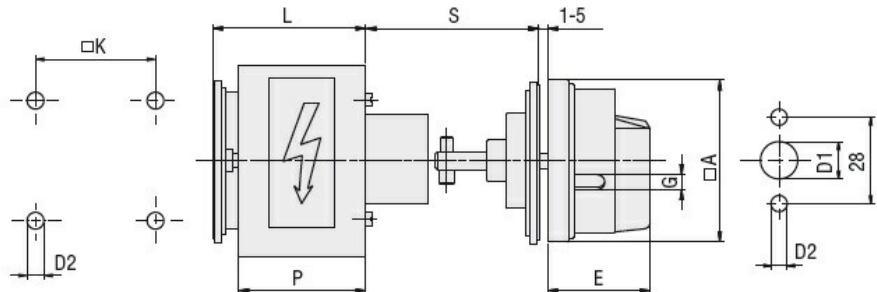
min °C -40
max °C +70

Resistance & Protection

Frontal IP degree IP40

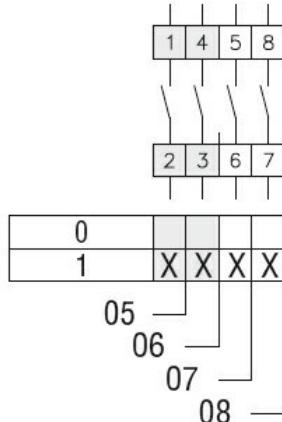
Terminals IP degree IP00

Dimensions



| Series | Dimensions | | | | | | | | |
|--------|------------|----|----|------|---|----|-------|----|------|
| | □A | D1 | D2 | E | G | □K | S | P | L |
| 7GN12 | 65 | 12 | 5 | 34.2 | 5 | 36 | 45-55 | 43 | 51.3 |
| 7GN20 | 65 | 12 | 5 | 34.2 | 5 | 36 | 45-55 | 43 | 51.3 |
| 7GN25 | 65 | 12 | 5 | 34.2 | 5 | 36 | 45-55 | 51 | 59.6 |
| 7GN32 | 65 | 14 | 5 | 38 | 6 | 48 | 45-55 | 55 | 68.7 |
| 7GN40 | 65 | 14 | 5 | 38 | 6 | 48 | 45-55 | 55 | 68.7 |

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