



ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 16A, FOR FRONT MOUNTING WITH BLACK HANDLE WITHOUT FRONT PLATE FOR HOLE Ø22MM FIXING



| Product designation | | | Rotary cam |
|---|------------------|---------|--|
| • | | | switches |
| Product type designation General characteristics | | | 7GN12 |
| | | | 91 - ON/OFF |
| Switching diagram | | | switch 2 poles |
| N° of elements | | | 1 |
| Mounting form | | | U11 - Front mounting with black handle without front plate for hole diam. 22mm fixing |
| Contact characteristics | | | |
| Rated insulation voltage Ui | IEC/EN | | 000 |
| | IEC/EN UL/CSA | V V | 690 600 |
| Rated impulse withstand voltage Uimp | ULICSA | v kV | 6 |
| Conventional free air thermal current Ith | | IX V | |
| | IEC/EN | Α | 16 |
| | UL/CSA | Α | 15 |
| Rated operational voltage | | V | 480 |
| Rated operational impulse voltage | | kV | 4 |
| Maximum fuse size for short-circuit protecti | , | | |
| | 10kA | Α | 16 |
| | 15kA 25kA | A | 10 10 |
| Rated short time current Icw | ZOKA | A | 10 |
| Nated Short time current lew | 1s | kA | 200 |
| Conductivity | | 10 (| 10/5 mA/V |
| Operational current le IEC/EN | | | |
| AC1/AC21A | | | |
| | | Α | 16 |
| AC15 | | | |
| | 110V | Α | 10 |
| | 220/230V | A | 8 |
| | 380/400V | A | 4 |
| Rated operational power in AC | 660/690V | A | 1.5 |
| Three-phase AC-3 | | | |
| | , 220/230V | kW | 2.5 |
| | 380/440V | kW | 4 |
| | 500/690V | kW | 5.5 |
| Single-phase AC-3 | | | |
| | 110V | kW | 0.8 |
| | 220/230V | kW | 1.5 |
| | | | |





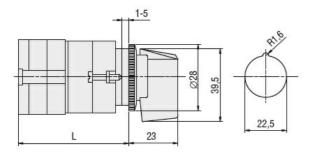
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| | | 380/440V | kW | 2.2 |
|--|---|--|--|---|
| | Three-phase AC23A | | | |
| | | 220/230V | kW | 3 |
| | | 380/440V | kW | 5.5 |
| | | 500/690V | kW | 7.5 |
| | Single-phase AC23A | | | |
| | Single phase riozeri | 110V | kW | 0.8 |
| | | 220/230V | kW | 1.7 |
| | | | | |
| | B0 | 380/440V | kW | 3 |
| Rated operational curre | | | | |
| | DC21A | | | |
| | | 48V | Α | 12 |
| | | 60V | Α | 12 |
| | | 110V | Α | 4 |
| | | 220V | Α | 0.6 |
| | | 440V | Α | 0.25 |
| | DC23A (poles in series) | 1101 | | |
| | DOZOA (POIGS III SELIES) | 24V | ۸ | 10 (1) |
| | | | A | 10 (1) |
| | | 48V | A | 10 (2) |
| | | 60V | Α | 10 (3) |
| | | 110V | Α | 5 (3) |
| | | 220V | Α | 5 (4) |
| | DC13 | | | |
| | | 24V | Α | 12 |
| | | 48V | Α | 10 |
| | | 60V | Α | 8 |
| | | 110V | A | 1 |
| | | | | |
| | | 220V | Α | 0.4 |
| | | | | 0.45 |
| | | 440V | Α | 0.15 |
| Power dissipation | | | A W | 0.15 0.8 |
| Mechanical features | | | | 0.8 |
| | | | | |
| Mechanical features | erminals max | | | 0.8 |
| Mechanical features Terminals screw | erminals max | | W | 0.8 M3 |
| Mechanical features Terminals screw Tightening torque for te | | | W | 0.8 M3 |
| Mechanical features Terminals screw Tightening torque for te | erminals max AWG - Rigid cable | 440V | Nm | 0.8 M3 0.5 |
| Mechanical features Terminals screw Tightening torque for te | | 440V min | W Nm | 0.8 M3 0.5 |
| Mechanical features Terminals screw Tightening torque for te | AWG - Rigid cable | 440V | Nm | 0.8 M3 0.5 |
| Mechanical features Terminals screw Tightening torque for te | | Max | Nm AWG AWG | 0.8 M3 0.5 |
| Mechanical features Terminals screw Tightening torque for te | AWG - Rigid cable | Max min | Nm AWG AWG | 0.8 M3 0.5 20 12 |
| Mechanical features Terminals screw Tightening torque for te | AWG - Rigid cable AWG - Flexible cable | Max | Nm AWG AWG | 0.8 M3 0.5 |
| Mechanical features Terminals screw Tightening torque for te | AWG - Rigid cable | min Max min Max | Nm AWG AWG AWG AWG | 0.8 M3 0.5 20 12 20 14 |
| Mechanical features Terminals screw Tightening torque for te | AWG - Rigid cable AWG - Flexible cable | Max min | Nm AWG AWG | 0.8 M3 0.5 20 12 |
| Mechanical features Terminals screw Tightening torque for te | AWG - Rigid cable AWG - Flexible cable | min Max min Max | Nm AWG AWG AWG AWG | 0.8 M3 0.5 20 12 20 14 |
| Mechanical features Terminals screw Tightening torque for te | AWG - Rigid cable AWG - Flexible cable | min Max min Max | Nm AWG AWG AWG AWG mm² | 0.8 M3 0.5 20 12 20 14 0.5 |
| Mechanical features Terminals screw Tightening torque for te | AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable | min Max min Max | Nm AWG AWG AWG AWG mm² | 0.8 M3 0.5 20 12 20 14 0.5 |
| Mechanical features Terminals screw Tightening torque for te | AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable | min Max min Max min Max | Nm AWG AWG AWG AWG mm² mm² mm² | 0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 |
| Mechanical features Terminals screw Tightening torque for te Conductor size | AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable | min Max min Max min Max | Nm AWG AWG AWG AWG mm² mm² mm² | 0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 |
| Mechanical features Terminals screw Tightening torque for te Conductor size Mechanical life | AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable | min Max min Max min Max | Nm AWG AWG AWG AWG mm² mm² mm² | 0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 |
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| Mechanical features Terminals screw Tightening torque for te Conductor size Mechanical life | AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control | min Max min Max min Max | Nm AWG AWG AWG AWG mm² mm² mm² | 0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 |
| Mechanical features Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data | AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable | min Max min Max min Max | Nm AWG AWG AWG AWG mm² mm² mm² cycles | 0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶ |
| Mechanical features Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data | AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control | min Max min Max min Max | Nm AWG AWG AWG AWG mm² mm² cycles | 0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶ |
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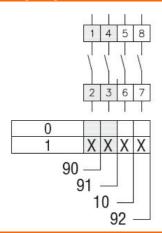
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| | | 240V | HP | 1 |
|----------------------|-----------------------|------|----|------|
| Ambient conditions | | | | |
| Temperature | | | | |
| | Operating temperature | | | |
| | | min | °C | -25 |
| | | max | °C | +55 |
| | Storage temperature | | | |
| | | min | °C | -40 |
| | | max | °C | +70 |
| Resistance & Protect | on | | | |
| Frontal IP degree | | | | IP40 |
| Terminals IP degree | | | • | IP00 |
| Dimensions | | | | |



| | Carrian | L | | | |
|----|---------|------|------|------|-------|
| | Series | 1 | 2 | 3 | 8 |
| 36 | 7GN12 | 47 | 56.7 | 66.4 | 114.9 |
| | 7GN20 | 47 | 56.7 | 66.4 | 114.9 |
| | 7GN25 | 51.4 | 65 | 78.6 | 146.6 |

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



7GN1291U11

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UL

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete