

7GN2508U12 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 25A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING

| | | | | [。] Rotary cam |
|--------------------------|------------------------------------|--------------|---------|-----------------------------------|
| Product designation | | | | switches |
| Product type designati | | | | 7GN25 |
| General characteristics | S | | | |
| Switching diagram | | | | 08 - ON/OFF switch 4 poles |
| N° of elements | | | | 2 |
| | | | | U12 - Front |
| | | | | mounting without |
| Mounting form | | | | front plate with |
| | | | | key operation for hole diam. 22mm |
| | | | | fixing |
| Contact characteristics | 3 | | | inding |
| Rated insulation voltag | | | | |
| 0 | | IEC/EN | V | 690 |
| | | UL/CSA | V | 600 |
| Rated impulse withstar | nd voltage Uimp | | kV | 6 |
| Conventional free air th | hermal current Ith | | | |
| | | IEC/EN | А | 25 |
| | | UL/CSA | Α | 30 |
| Rated operational volta | - | | V | 480 |
| Rated operational imp | - | | kV | 4 |
| Maximum fuse size for | r short-circuit protection In (gG) | | | <u>.</u> |
| | | 10kA | A | 25 |
| | | 15kA 25kA | A | 25 25 |
| Rated short time curre | nt low | 20KA | A | 25 |
| Rated Short time curre | | 1s | А | 400 |
| Conductivity | | 10 | | 10/5 mA/V |
| Operational current le | IEC/EN | | | |
| · | AC1/AC21A | | | |
| | | | А | 25 |
| | AC15 | | | |
| | | 110V | А | 16 |
| | | 220/230V | А | 12 |
| | | 380/400V | A | 8 |
| Deted en enetienel neu | | 660/690V | A | 2 |
| Rated operational pow | Three-phase AC-3 | | | |
| | Thee-phase AC-5 | 220/230V | kW | 5.5 |
| | | 380/440V | kW | 7.5 |
| | | 500/690V | kW | 7.5 |
| | Single-phase AC-3 | | | |
| | 5 1 1 1 1 1 | 110V | kW | 1.5 |
| | | 220/230V | kW | 3 |
| | | 380/440V | kW | 5.5 |
| | Three-phase AC23A | | | |
| | | 220/230V | kW | 6.5 |
| | | 380/440V | kW | 11 |
| | Oingle share ACCOA | 500/690V | kW | 11 |
| | Single-phase AC23A | 44014 | 1-1.1.1 | 1 5 |
| | | 110V | kW | 1.5 |

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| | | 220/230V | kW | 3.7 |
|------------------------|--|----------|------------|-------------------|
| | | 380/440V | kW | 5.5 |
| Rated operational cu | urrent in DC | | | |
| rated operational of | DC21A | | | |
| | DCZTA | 401/ | | 05 |
| | | 48V | А | 25 |
| | | 60V | А | 25 |
| | | 110V | А | 4 |
| | | 220V | А | 0.7 |
| | DC23A (poles in series) | | | |
| | | 24V | А | 25 (1) |
| | | | | |
| | | 48V | А | 25 (2) |
| | | 60V | А | 25 (3) |
| | | 110V | А | 12 (3) |
| | | 220V | А | 10 (4) |
| | DC13 | | | |
| | Delis | 241/ | ۸ | 05 |
| | | 24V | A | 25 |
| | | 48V | A | 20 |
| | | 60V | А | 16 |
| | | 110V | А | 1.5 |
| | | 220V | A | 0.4 |
| Dower dissinction | | 2201 | W | |
| Power dissipation | | | VV | 1.1 |
| Mechanical features | | | | |
| Terminals screw | | | | M3.5 |
| Tightening torque for | terminals max | | Nm | 0.8 |
| Conductor size | | | | |
| | AWG - Rigid cable | | | |
| | AWO - Nigid Cable | | A \ A/C | 20 |
| | | min | AWG | 20 |
| | | Max | AWG | 10 |
| | AWG - Flexible cable | | | |
| | | min | AWG | 20 |
| | | Max | AWG | 12 |
| | Openductor size (IEO) Elevitele soble | IVICA | 700 | |
| | Conductor size (IEC) - Flexible cable | | | |
| | | min | mm² | 0.5 |
| | | Max | mm² | 4 |
| | Conductor size (IEC) - Rigid cable | | | |
| | •••••••••••••••••••••••••••••••••••••• | min | mm² | 0.5 |
| | | | | |
| | | Max | mm² | 4 |
| Mechanical life | | | cycles | 5x10 ⁶ |
| UL technical data | | | | |
| Motor power for direct | ct-on-line control | | | |
| | for three-phase motor | | | |
| | · · · · · · | 120V | HP | 3 |
| | | 240V | HP | 5 |
| | | | | |
| | | 480V | HP | 10 |
| | | 600V | HP | 15 |
| | for single-phase motor | | | |
| | <u> </u> | 120V | HP | 1.5 |
| | | 240V | HP | 3 |
| | | 240 V | n r | J |
| Ambient conditions | | | | |
| Temperature | | | | |
| | Operating temperature | | | |
| | | min | °C | -25 |
| | | max | °Č | +55 |
| | | | | |
| | Storage temperature | max | | +55 |

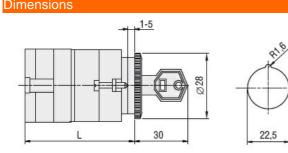
7GN2508U12 The characteristic

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



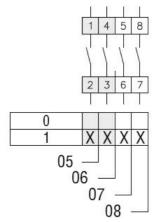
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| | min | °C | -40 |
|-------------------------|-----|----|------|
| | max | °C | +70 |
| Resistance & Protection | | | |
| Frontal IP degree | | | IP40 |
| Terminals IP degree | | | IP00 |
| Dimensione | | | |



| Cariaa | L | | | |
|--------|------|------|------|-------|
| Series | 1 | 2 | 3 | 8 |
| 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 | |
| | UL | |
| ETIM classification | | |
| ETIM 8.0 | | EC001029 - Selector switch, complete |