

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 25A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM



| Product designation | | | Rotary cam |
|---|----------|------|------------------------------------|
| • | | | switches |
| Product type designation General characteristics | | | 7GN25 |
| | | | 90 - ON/OFF |
| Switching diagram | | | switch 1 pole |
| N° of elements | | | <u> </u> |
| | | | U25 - Front |
| | | | mounting with |
| Mounting form | | | red/yellow handle padlockable in 0 |
| | | | and protection |
| | | | covers |
| Contact characteristics | | | |
| Rated insulation voltage Ui | | | |
| | IEC/EN | V | 690 |
| Detail inventes with stand walks as I lives | UL/CSA | V | 600 |
| Rated impulse withstand voltage Uimp Conventional free air thermal current Ith | | kV | 6 |
| Conventional free all thermal current fill | IEC/EN | Α | 25 |
| | UL/CSA | A | 30 |
| Rated operational voltage | 0100, | V | 480 |
| Rated operational impulse voltage | | kV | 4 |
| Maximum fuse size for short-circuit protection In (gG) | | | |
| | 10kA | Α | 25 |
| | 15kA | Α | 25 |
| B. H. H. | 25kA | Α | 25 |
| Rated short time current Icw | 4 | Ι- Δ | 400 |
| Conductivity | 1s | kA | 400 10/5 mA/V |
| Conductivity Operational current le IEC/EN | | | 10/5 IIIA/V |
| AC1/AC21A | | | |
| 710 11/102 11/1 | | Α | 25 |
| AC15 | | | _ |
| | 110V | Α | 16 |
| | 220/230V | Α | 12 |
| | 380/400V | Α | 8 |
| B. () () () | 660/690V | Α | 2 |
| Rated operational power in AC | | | |
| Three-phase AC-3 | 220/230V | kW | 5.5 |
| | 380/440V | kW | 7.5 |
| | 500/690V | kW | 7.5 |
| Single-phase AC-3 | | | |
| • | 110V | kW | 1.5 |
| | 220/230V | kW | 3 |
| | | | |



ENERGY AND AUTOMATION

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 25A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

| | | 380/440V | kW | 5.5 |
|------------------------|---------------------------------------|-----------|--------|-------------------|
| | Three-phase AC23A | 223/1104 | | |
| | 111100 pridoo 7102071 | 220/230V | kW | 6.5 |
| | | 380/440V | kW | 11 |
| | | 500/690V | kW | 11 |
| | Single-phase AC23A | 000/0001 | 1000 | |
| | Single phase //OZO// | 110V | kW | 1.5 |
| | | 220/230V | kW | 3.7 |
| | | 380/440V | kW | 5.5 |
| Rated operational cu | rrent in DC | 360/440 V | K V V | 5.5 |
| Nateu operational cu | DC21A | | | |
| | DCZTA | 40\/ | ۸ | 25 |
| | | 48V | A | 25 |
| | | 60V | Α | 25 |
| | | 110V | Α | 4 |
| | | 220V | Α | 0.7 |
| | DC23A (poles in series) | | | |
| | | 24V | Α | 25 (1) |
| | | 48V | Α | 25 (2) |
| | | 60V | Α | 25 (3) |
| | | 110V | Α | 12 (3) |
| | | 220V | Α | 10 (4) |
| | DC13 | 2201 | - / (| 10 (1) |
| | DC13 | 24V | Α | 25 |
| | | | | |
| | | 48V | A | 20 |
| | | 60V | Α | 16 |
| | | 110V | Α | 1.5 |
| | | 220V | Α | 0.4 |
| Power dissipation | | | W | 1.1 |
| Mechanical features | | | | |
| Terminals screw | | | | M3.5 |
| Tightening torque for | terminals max | | Nm | 0.8 |
| Conductor size | | | | |
| | AWG - Rigid cable | | | |
| | , o | min | AWG | 20 |
| | | Max | AWG | 10 |
| | AWG - Flexible cable | IVICA | 700 | 10 |
| | AVVO - FIEXIDIE CADIE | | A1A/C | 20 |
| | | min | AWG | 20 |
| | | Max | AWG | 12 |
| | 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 | | | |
| motor power for difet | | | | |
| | for three-phase motor | 40017 | LID | 2 |
| | | 120V | HP | 3 |
| | | 240V | HP | 5 |
| | | 480V | HP | 10 |
| | | 600V | HP | 15 |
| | for single-phase motor | | | |
| | U 1 | 120V | HP | 1.5 |
| | | 120 V | | |



ENERGY AND AUTOMATION

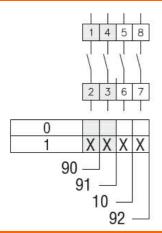
ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 25A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

| | | 240V | HP | 3 |
|-------------------------|-----------------------|------|----|------|
| Ambient conditions | | | | |
| Temperature | | | | |
| | Operating temperature | | | |
| | | min | °C | -25 |
| | | max | °C | +55 |
| | Storage temperature | | | |
| | | min | °C | -40 |
| | | max | °C | +70 |
| Resistance & Protection | on | | | |
| Frontal IP degree | | | | IP40 |
| Terminals IP degree | | | | IP00 |
| Dimensions | | | | |

Dz Drillings for 4 screws fixing (4V version).

| Series | Dimensions | | | | | | | | |
|--------|------------|----|----|------|---|----|----|----|------|
| Selles | □A | D1 | D2 | Е | G | □K | S | Р | L |
| 7GN12 | 65 | 12 | 5 | 34.2 | 5 | 36 | 43 | 64 | 54.3 |
| 7GN20 | 65 | 12 | 5 | 34.2 | 5 | 36 | 43 | 64 | 54.3 |
| 7GN25 | 65 | 12 | 5 | 34.2 | 5 | 36 | 51 | 68 | 62.6 |
| 7GN32 | 65 | 14 | 5 | 38 | 6 | 48 | 55 | 77 | 71.7 |
| 7GN40 | 65 | 14 | 5 | 38 | 6 | 48 | 55 | 77 | 71.7 |

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



ENERGY AND AUTOMATION

7GN2590U25

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 25A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

| Certificates | |
|--------------|--------|
| | cCSAus |
| | EAC |
| | UL |

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete