

7GN2510U25 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 25A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM



| Product designation | | | Rotary cam |
|--|-----------|----|--|
| - | | | switches 7GN25 |
| Product type designation General characteristics | | | 7GN25 |
| | | | 10 - ON/OFF |
| Switching diagram | | | switch 3 poles |
| N° of elements | | | 2 |
| Mounting form | | | U25 - Front mounting with red/yellow handl padlockable in 0 and protection |
| Contact characteristics | | | covers |
| Rated insulation voltage Ui | | | |
| Taleu insulation voltage of | IEC/EN | V | 690 |
| | UL/CSA | v | 600 |
| Rated impulse withstand voltage Uimp | | kV | 6 |
| Conventional free air thermal current Ith | | | |
| | IEC/EN | А | 25 |
| | UL/CSA | А | 30 |
| Rated operational voltage | | V | 480 |
| Rated operational impulse voltage | | kV | 4 |
| Maximum fuse size for short-circuit protection In (gG) | | | |
| | 10kA | А | 25 |
| | 15kA | A | 25 |
| Detected also est times assument laws | 25kA | A | 25 |
| Rated short time current Icw | 1s | kA | 400 |
| Conductivity | 15 | KA | 10/5 mA/V |
| Operational current le IEC/EN | | | 10/3 11/4/ 0 |
| AC1/AC21A | | | |
| | | А | 25 |
| AC15 | | | |
| | 110V | А | 16 |
| | 220/230V | А | 12 |
| | 380/400V | А | 8 |
| | 660/690V | Α | 2 |
| Rated operational power in AC | | | |
| Three-phase AC-3 | | | |
| | 220/230V | kW | 5.5 |
| | 380/440V | kW | 7.5 7.5 |
| Single-phase AC-3 | 500/690V | kW | 7.5 |
| Single-prize AC-3 | 110V | kW | 1.5 |
| | 220/230V | kW | 3 |
| | 220,200 V | | 5 |



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

ENERGY AND AUTOMATION

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 25A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

7GN2510U25

| | | 380/440V | kW | 5.5 |
|------------------------|---------------------------------------|----------|----------|-------------------|
| | Three-phase AC23A | | | |
| | | 220/230V | kW | 6.5 |
| | | 380/440V | kW | 11 |
| | | 500/690V | kW | 11 |
| | Single-phase AC23A | 500/030V | 11.11.11 | 11 |
| | ongie-phase rozor | 110V | L\\/ | 15 |
| | | | kW | 1.5 |
| | | 220/230V | kW | 3.7 |
| | | 380/440V | kW | 5.5 |
| Rated operational cu | | | | |
| | DC21A | | | |
| | | 48V | А | 25 |
| | | 60V | А | 25 |
| | | 110V | А | 4 |
| | | 220V | А | 0.7 |
| | DC23A (poles in series) | 2201 | | 5 |
| | | 24V | ٨ | 25 (1) |
| | | | A | 25 (1) |
| | | 48V | A | 25 (2) |
| | | 60V | A | 25 (3) |
| | | 110V | A | 12 (3) |
| | | 220V | А | 10 (4) |
| | DC13 | | | |
| | | 24V | А | 25 |
| | | 48V | А | 20 |
| | | 60V | A | 16 |
| | | 110V | A | |
| | | | | 1.5 |
| | | 220V | A | 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 | | | |
| | Ū. | min | AWG | 20 |
| | | Max | AWG | 10 |
| | AWG - Flexible cable | 111001 | | 10 |
| | | min | | 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 | | IVICA | cycles | 5x10 ⁶ |
| UL technical data | | | Cycles | 5710 |
| | | | | |
| Motor power for direct | | | | |
| | for three-phase motor | | | |
| | | 120V | HP | 3 |
| | | 240V | HP | 5 |
| | | 480V | HP | 10 |
| | | 600V | HP | 15 |
| | for single-phase motor | 0007 | | |
| | | | | |
| | for single-phase motor | 120V | HP | 1.5 |

7GN2510U25

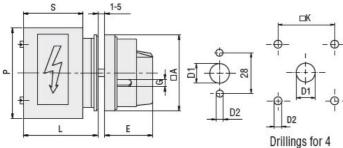
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



7GN2510U25 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 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 & Prote | ction | | | |
| Frontal IP degree | | | | IP40 |
| Terminals IP degree | 9 | | | IP00 |

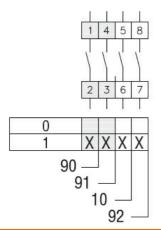
Dimensions



Drillings for 4 screws fixing (4V version).

| Series | Dimensions | | | | | | | | |
|--------|------------|----|----|------|---|----|----|----|------|
| Series | □A | D1 | D2 | E | 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 |

7GN2510U25

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



ENERGY AND AUTOMATION

7GN2510U25 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 25A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

| Certificates | | |
|---------------------|--------|-----------------|
| | cCSAus | |
| | EAC | |
| | UL | |
| ETIM classification | | |
| | | EC001105 - Off- |

ETIM 8.0

EC001105 - Off load switch