# 7GN4005U65

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 40A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

## General characteristics

| | |
|---|---|
| Switching diagram | 05 - ON/OFF switch 1 pole |
| N° of elements | 1 |
| Mounting form | U65 - Front mounting with red/yellow handle padlockable in 0 and protection covers |

## Contact characteristics

| | | | |
|---|---|---|---|
| Rated insulation voltage Ui | | | |
| | IEC/EN | V | 690 |
| | UL/CSA | V | 600 |
| Rated impulse withstand voltage Uimp | | kV | 6 |
| Conventional free air thermal current Ith | | | |
| | IEC/EN | A | 40 |
| | UL/CSA | A | 50 |
| Rated operational voltage | | V | 480 |
| Rated operational impulse voltage | | kV | 4 |
| Maximum fuse size for short-circuit protection In (gG) | | | |
| | 10kA | A | 40 |
| | 15kA | A | 40 |
| | 25kA | A | 40 |
| | 50kA | A | 40 |
| | 63kA | A | 40 |
| Rated short time current Icw | | | |
| | 1s | kA | 1000 |
| Conductivity | | | 10/5 mA/V |
| Operational current Ie IEC/EN | | | |
| AC1/AC21A | | | |
| | | A | 40 |
| AC15 | | | |
| | 110V | A | 25 |
| | 220/230V | A | 22 |
| | 380/400V | A | 12 |
| | 660/690V | A | 2 |
| Rated operational power in AC | | | |
| Three-phase AC-3 | | | |
| | 220/230V | kW | 8 |
| | 380/440V | kW | 15 |
| | 500/690V | kW | 15 |
| Single-phase AC-3 | | | |
| | 110V | kW | 3 |
| | 220/230V | kW | 6.5 |
| | 380/440V | kW | 8 |
| Three-phase AC23A | | | |
| | 220/230V | kW | 8 |
| | 380/440V | kW | 18.5 |
| | 500/690V | kW | 22 |
| Single-phase AC23A | | | |
| | 110V | kW | 3 |
| | 220/230V | kW | 6 |
| | 380/440V | kW | 11 |


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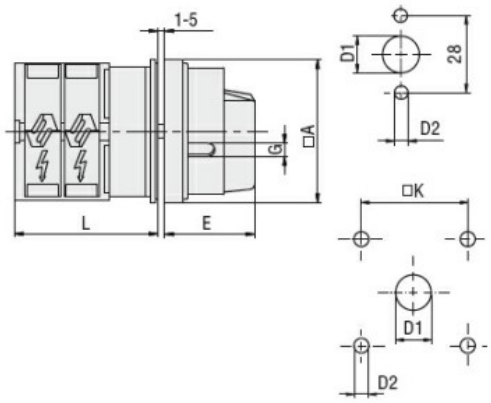
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| | | | | |
|---|---|---|---|---|
| Rated operational current in DC | | | | |
| | DC21A | | | |
| | | 48V | A | 40 |
| | | 60V | A | 40 |
| | | 110V | A | 6 |
| | | 220V | A | 0.9 |
| | DC23A (poles in series) | | | |
| | | 24V | A | 40 (1) |
| | | 48V | A | 40 (2) |
| | | 60V | A | 40 (3) |
| | | 110V | A | 20 (3) |
| | | 220V | A | 12 (4) |
| | DC13 | | | |
| | | 24V | A | 40 |
| | | 48V | A | 32 |
| | | 60V | A | 16 |
| | | 110V | A | 3 |
| Power dissipation | | | W | 2.0 |
| **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 | mm² | 1.5 |
| | | Max | mm² | 6 |
| | Conductor size (IEC) - Rigid cable | | | |
| | | min | mm² | 1.5 |
| | | Max | mm² | 10 |
| Mechanical life | | | cycles | $5x10^6$ |
| **UL technical data** | | | | |
| Motor power for direct-on-line control | | | | |
| | for three-phase motor | | | |
| | | 120V | HP | 5 |
| | | 240V | HP | 10 |
| | | 480V | HP | 20 |
| | | 600V | HP | 20 |
| | 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** | | | | |


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| | |
|---|---|
| Frontal IP degree | IP40 |
| Terminals IP degree | IP00 |

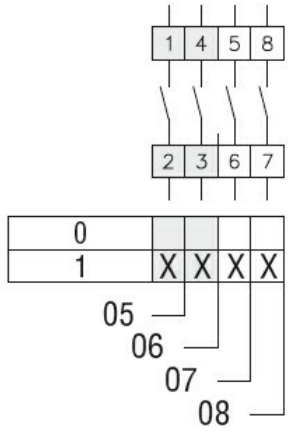
## Dimensions




Standard drillings for 7GN125.
Drillings on request for 4 screws fixing (4V version).

| Series | Dimensions | | | | | | L | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | □A | D1 | D2 | E | G | □K | 1 | 2 | 3 | ...12 |
| **7GN12** | 65 | 12 | 5 | 34.2 | 5 | 36 | 36.1 | 45.8 | 55.5 | 142.8 |
| **7GN20** | 65 | 12 | 5 | 34.2 | 5 | 36 | 36.1 | 45.8 | 55.5 | 142.8 |
| **7GN25** | 65 | 12 | 5 | 34.2 | 5 | 36 | 40.5 | 54.1 | 67.7 | 190.1 |
| **7GN32** | 65 | 14 | 5 | 38 | 6 | 48 | 46.5 | 61.6 | 76.7 | 212.6 |
| **7GN40** | 65 | 14 | 5 | 38 | 6 | 48 | 46.5 | 61.6 | 76.7 | 212.6 |
| **7GN63** | 65 | 14 | 5 | 38 | 6 | 48 | 50.3 | 68.4 | 86.5 | 249.4 |
| **7GN125** | 90 | 16 | 6 | 49 | 7 | 68 | 67.3 | 96.4 | 125.5 | 394.9 |

## 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 |


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