

7GN1283U47 ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4, 1 POLE 16A, FOR SNAP ON FRONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT PLATE 48X48MM

| Draduct designation | | | | Rotary cam |
|--|------------------------------------|----------------------|----------|------------------------------------|
| Product designation | | | | switches |
| Product type designati General characteristics | | | | 7GN12 |
| | 5 | | | 83 - Multi-step 1- |
| Switching diagram | | | | 2-3-4 1 pole |
| N° of elements | | | | 2 |
| | | | | U47 - Snap on |
| Mounting form | | | | fron mounting with black handle |
| | | | | for hole diam. |
| | | | | 22mm finxing |
| Contact characteristics | | | | |
| Rated insulation voltag | je Ui | | | |
| | | IEC/EN | V | 690 |
| Detail in a las difference | | UL/CSA | V | 600 |
| Rated impulse withstar Conventional free air th | | | kV | 6 |
| Conventional free air tr | nermai current itn | IEC/EN | А | 16 |
| | | UL/CSA | A | 15 |
| Rated operational volta | age | 00/00A | V | 480 |
| Rated operational imp | - | | kV | 4 |
| | r short-circuit protection In (gG) | | | |
| | | 10kA | А | 16 |
| | | 15kA | А | 10 |
| | | 25kA | Α | 10 |
| Rated short time curre | nt Icw | | | |
| | | 1s | kA | 200 |
| Conductivity Operational current le | | | | 10/5 mA/V |
| Operational current le | AC1/AC21A | | | |
| | | | А | 16 |
| | AC15 | | | |
| | | 110V | А | 10 |
| | | 220/230V | А | 8 |
| | | 380/400V | А | 4 |
| | | 660/690V | Α | 1.5 |
| Rated operational pow | | | | |
| | Three-phase AC-3 | 000/000)/ | | 0.5 |
| | | 220/230V 380/440V | kW kW | 2.5 4 |
| | | 500/690V | kW | 4 5.5 |
| | Single-phase AC-3 | 000/000 1 | | 0.0 |
| | | 110V | kW | 0.8 |
| | | 220/230V | kW | 1.5 |
| | | 380/440V | kW | 2.2 |
| | Three-phase AC23A | | | |
| | | 220/230V | kW | 3 |
| | | 380/440V | kW | 5.5 |
| | Single phase ACCOA | 500/690V | kW | 7.5 |
| | Single-phase AC23A | 110V | L\\/ | 0.9 |
| | | 220/230V | kW kW | 0.8 1.7 |
| | | 380/440V | kW | 3 |
| | | | | |

7GN1283U47



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|---|-------|
| RONT MOUNTING WITH BLACK HANDLE FOR HOLE Ø22MM FIXING, FRONT | PLATE |
| 48> | (48MM |
| | |

7GN1283U47

| Rated operational cu | irrent in DC | | | |
|-----------------------|---------------------------------------|--------------|----------|--------|
| | DC21A | | | |
| | | 48V | А | 12 |
| | | 60V | А | 12 |
| | | 110V | А | 4 |
| | | 220V | А | 0.6 |
| | | 440V | А | 0.25 |
| | DC23A (poles in series) | | | |
| | | 24V | А | 10 (1) |
| | | 48V | A | 10 (2) |
| | | 60V | A | 10 (3) |
| | | 110V | A | 5 (3) |
| | | 220V | A | 5 (4) |
| | DC13 | 2201 | | 0(1) |
| | 5013 | 24V | А | 12 |
| | | 48V | A | 10 |
| | | 40V 60V | A | 8 |
| | | 110V | A | 1 |
| | | 220V | A | 0.4 |
| | | 220V 440V | A | 0.4 |
| Power dissipation | | 440 V | W | 0.15 |
| Mechanical features | | | VV | 0.8 |
| Terminals screw | | | | M3 |
| | r terminale may | | Nim | |
| Tightening torque for | r terminais max | | Nm | 0.5 |
| Conductor size | | | | |
| | AWG - Rigid cable | | | |
| | | min | AWG | 20 |
| | | Max | AWG | 12 |
| | AWG - Flexible cable | | | |
| | | min | AWG | 20 |
| | | Max | AWG | 14 |
| | Conductor size (IEC) - Flexible cable | | | |
| | | min | mm² | 0.5 |
| | | Max | mm² | 2.5 |
| | Conductor size (IEC) - Rigid cable | | | |
| | | min | mm² | 0.5 |
| | | Max | mm² | 2.5 |
| Mechanical life | | | cycles | 3x10⁰ |
| UL technical data | | | | |
| Motor power for dire | ct-on-line control | | | |
| | for three-phase motor | | | |
| | | 120V | HP | 1.5 |
| | | 240V | HP | 3 |
| | for single-phase motor | | | |
| | | 120V | HP | 0.5 |
| | | 240V | HP | 1 |
| Ambient conditions | | | | |
| Temperature | | | | |
| • | Operating temperature | | | |
| | - 1 - | min | °C | -25 |
| | | max | °Č | +55 |
| | Storage temperature | | ~ | |
| | | min | °C | -40 |
| | | max | °C | +70 |
| | | max | <u> </u> | |

7GN1283U47

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



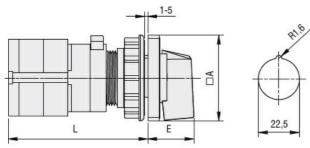
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Resistance & Protection

Frontal IP degree

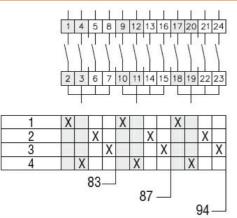
Terminals IP degree

Dimensions



| Series | Dimer | nsions | | | L | |
|--------|-------|--------|------|------|------|-------|
| | □A | E | 1 | 2 | 3 | 8 |
| 7GN12 | 48 | 26.5 | 58 | 67.7 | 77.4 | 125.9 |
| 7GN20 | 48 | 26.5 | 58 | 67.7 | 77.4 | 125.9 |
| 7GN25 | 48 | 26.5 | 62.4 | 76 | 89.6 | 157.6 |

Wiring diagrams



Certifications and compliance

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 |



7GN1283U47

IP40 IP00