

7GN1287O48 ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4, 2 POLES 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

| 5 | | | | Rotary cam |
|----------------------------------|---------------|----------------------|----------|-------------------------------------|
| Product designation | | | | switches |
| Product type designation | | | | 7GN12 |
| General characteristics | | | | 97 Multi stop 1 |
| Switching diagram | | | | 87 - Multi-step 1- 2-3-4 2 poles |
| N° of elements | | | | 4 |
| | | | | O48 - Modular |
| Mounting form | | | | service cover for 35mm din rail |
| Mounting form | | | | mounting with |
| | | | | black handle |
| Contact characteristics | | | | |
| Rated insulation voltage Ui | | | | |
| | | IEC/EN | V | 690 |
| | | UL/CSA | V | 600 |
| Rated impulse withstand voltage | | | kV | 6 |
| Conventional free air thermal of | current Ith | | • | 4.0 |
| | | IEC/EN UL/CSA | A A | 16 15 |
| Rated operational voltage | | UL/CSA | | 480 |
| Rated operational impulse volt | 200 | | kV | 480 |
| Maximum fuse size for short-c | - | | it v | • |
| | | 10kA | А | 16 |
| | | 15kA | А | 10 |
| | | 25kA | А | 10 |
| Rated short time current Icw | | | | |
| | | 1s | kA | 200 |
| Conductivity | | | | 10/5 mA/V |
| Operational current le IEC/EN | | | | |
| AC1/A | AC21A | | ٨ | 10 |
| AC15 | | | A | 16 |
| AC15 | | 110V | А | 10 |
| | | 220/230V | A | 8 |
| | | 380/400V | A | 4 |
| | | 660/690V | A | 1.5 |
| Rated operational power in AC |) | | | |
| Three | -phase AC-3 | | | |
| | | 220/230V | kW | 2.5 |
| | | 380/440V | kW | 4 |
| | | 500/690V | kW | 5.5 |
| Single | e-phase AC-3 | 1401/ | | 0.0 |
| | | 110V | kW kW | 0.8 1.5 |
| | | 220/230V 380/440V | kW | 2.2 |
| Three | -phase AC23A | 300/4407 | K V V | 2.2 |
| | p | 220/230V | kW | 3 |
| | | 380/440V | kW | 5.5 |
| | | 500/690V | kW | 7.5 |
| Single | e-phase AC23A | | | |
| | | 110V | kW | 0.8 |
| | | 220/230V | kW | 1.7 |
| | | 380/440V | kW | 3 |

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45X54MM

| Rated operational curr | rent in DC | | | |
|-------------------------|---------------------------------------|------------|----------|-------------------|
| | DC21A | | | |
| | | 48V | А | 12 |
| | | | | |
| | | 60V | A | 12 |
| | | 110V | A | 4 |
| | | 220V | A | 0.6 |
| | | 440V | А | 0.25 |
| | DC23A (poles in series) | | | |
| | | 24V | А | 10 (1) |
| | | 48V | A | 10 (2) |
| | | 40V 60V | | |
| | | | A | 10 (3) |
| | | 110V | A | 5 (3) |
| | | 220V | A | 5 (4) |
| | DC13 | | | |
| | | 24V | А | 12 |
| | | 48V | А | 10 |
| | | 60V | А | 8 |
| | | 110V | A | 1 |
| | | 220V | A | 0.4 |
| | | | | |
| <u> </u> | | 440V | <u>A</u> | 0.15 |
| Power dissipation | | | W | 0.8 |
| Mechanical features | | | | |
| Terminals screw | | | | M3 |
| Tightening torque for t | erminals max | | Nm | 0.5 |
| Conductor size | | | | |
| | AWG - Rigid cable | | | |
| | AWO - Nigia cable | min | AWG | 20 |
| | | min | | 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 | max | | 2.0 |
| | Conductor size (IEC) - Rigid Cable | | | 0.5 |
| | | min | mm² | 0.5 |
| | | Max | mm² | 2.5 |
| Mechanical life | | | cycles | 3x10 ⁶ |
| UL technical data | | | | |
| Motor power for direct | -on-line control | | | |
| | for three-phase motor | | | |
| | | 120V | HP | 1.5 |
| | | 240V | HP | 3 |
| | for single phase motor | 240 V | I IF | 5 |
| | for single-phase motor | | | o = |
| | | 120V | HP | 0.5 |
| | | 240V | HP | 1 |
| Ambient conditions | | | | |
| Temperature | | | | |
| | Operating temperature | | | |
| | | min | °C | -25 |
| | | max | °C | +55 |
| | Storago tomporaturo | Παλ | 0 | 100 |
| | Storage temperature | | • ~ | 10 |
| | | min | °C | -40 |
| | | max | °C | +70 |
| | | | | |

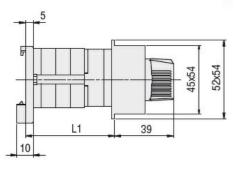
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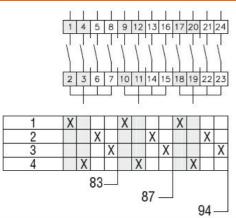
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| Resistance & Protection | |
|-------------------------|------|
| Frontal IP degree | IP40 |
| Terminals IP degree | IP00 |
| Dimensions | |



| Cariaa | L1 | | |
|--------|------|------|------|
| Series | 1 | 2 | 3 |
| 7GN12 | 38.1 | 47.8 | 57.5 |
| 7GN20 | 38.1 | 47.8 | 57.5 |
| 7GN25 | 42.5 | 56.1 | 69.7 |

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 | |
| Certificates | | |
| | cCSAus | |
| | EAC | |
| | UL | |
| ETIM classification | | |
| ETIM 8.0 | | EC001029 - Selector switch, complete |

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