

7GN1269O48 ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH WITHOUT 0, 4 POLES 16A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

| Product designation | | | Rotary cam |
|--|----------------------------------|-------------|--|
| | | | switches |
| Product type designation General characteristics | | | 7GN12 |
| Switching diagram | | | 69 - Changeover switch without 0 4 poles |
| N° of elements | | | 4 |
| Mounting form Contact characteristics | | | O48 - Modular service cover for 35mm din rail mounting with black handle |
| Rated insulation voltage Ui | | | |
| - | IEC/EN UL/CSA | V V | 690 600 |
| Rated impulse withstand voltage Uimp | | kV | 6 |
| Conventional free air thermal current Ith | IEC/EN UL/CSA | A A | 16 15 |
| Rated operational voltage | | V | 480 |
| Rated operational impulse voltage | | kV | 4 |
| Maximum fuse size for short-circuit protection In (gG) | 10kA 15kA 25kA | A A A | 16 10 10 |
| Rated short time current Icw | | | |
| | 1s | kA | 200 |
| Conductivity | | | 10/5 mA/V |
| Operational current le IEC/EN AC1/AC21A | | А | 16 |
| AC15 | | | |
| | 110V 220/230V 380/400V | A A A | 10 8 4 |
| Rated operational power in AC | 660/690V | A | 1.5 |
| Three-phase AC-3 | 220/230V 380/440V 500/690V | kW kW | 2.5 4 |
| Single-phase AC-3 | 200/090V | kW | 5.5 |
| Single-phase AC-5 | 110V 220/230V | kW kW | 0.8 1.5 |
| | 380/440V | kW | 2.2 |
| Three-phase AC23A | 220/230V | kW | 3 |
| | 380/440V | kW | 5.5 |
| Single-phase AC23A | 500/690V | kW | 7.5 |
| | 110V 220/230V | kW kW | 0.8 1.7 |

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| | | 380/440V | kW | 3 |
|-----------------------|---------------------------------------|--------------|--------|-----------------|
| Rated operational cu | rrent in DC | | | |
| | DC21A | | | |
| | | 48V | А | 12 |
| | | 60V | А | 12 |
| | | 110V | А | 4 |
| | | 220V | A | 0.6 |
| | | 440V | A | 0.25 |
| | DC23A (poles in series) | 0.417 | ۸ | 40 (4) |
| | | 24V | A | 10 (1) |
| | | 48V | A | 10 (2) |
| | | 60V 110V | A | 10 (3) 5 (2) |
| | | 220V | A | 5 (3) 5 (4) |
| | DC13 | 2200 | A | 5 (4) |
| | DC13 | 24V | А | 12 |
| | | 24 V 48 V | A | 10 |
| | | 48 V 60 V | A | 8 |
| | | 110V | A | o 1 |
| | | 220V | A | 0.4 |
| | | 440V | A | 0.4 |
| Power dissipation | | 440 V | | 0.8 |
| Mechanical features | | | vv | 0.0 |
| Terminals screw | | | | M3 |
| Tightening torque for | terminals 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 | | | |
| | | min | °C | -25 |
| | | max | °C | +55 |
| | Storage temperature | | | |
| | | min | °C | -40 |
| | | | | |

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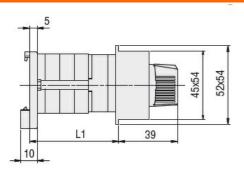
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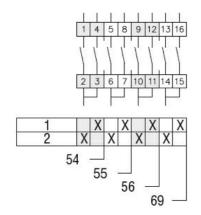
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| | max °C +70 |
|-------------------------|------------|
| Resistance & Protection | |
| Frontal IP degree | IP40 |
| Terminals IP degree | IP00 |
| Dimensions | |



| Series | 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

| Comp | liance |
|------|--------|
| Comp | nunoc |

| · | 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 |