

7GN2092O48 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM



| Product designation | | | Rotary cam |
|--|----------|----|-------------------------------|
| - | | | switches |
| Product type designation | | | 7GN20 |
| General characteristics | | | |
| Switching diagram | | | 92 - ON/OFF switch 4 poles |
| N° of elements | | | 2 |
| | | | O48 - Modular |
| | | | service cover for |
| Mounting form | | | 35mm din rail |
| | | | mounting with |
| Contact characteristics | | | black handle |
| Rated insulation voltage Ui | | | |
| Rated insulation voltage of | IEC/EN | V | 690 |
| | UL/CSA | V | 600 |
| Rated impulse withstand voltage Uimp | 02/00/(| kV | 6 |
| Conventional free air thermal current Ith | | | 0 |
| | IEC/EN | А | 20 |
| | UL/CSA | А | 20 |
| Rated operational voltage | | V | 480 |
| Rated operational impulse voltage | | kV | 4 |
| Maximum fuse size for short-circuit protection In (gG) | | | |
| | 10kA | Α | 20 |
| | 15kA | А | 16 |
| | 25kA | A | 16 |
| Rated short time current Icw | | | |
| | 1s | kA | 250 |
| Conductivity | | | 10/5 mA/V |
| Operational current le IEC/EN AC1/AC21A | | | |
| ACT/ACZTA | | А | 20 |
| AC15 | | A | 20 |
| A013 | 110V | А | 10 |
| | 220/230V | A | 8 |
| | 380/400V | A | 6 |
| | 660/690V | А | 1.5 |
| Rated operational power in AC | | | |
| Three-phase AC-3 | | | |
| | 220/230V | kW | 3 |
| | 380/440V | kW | 5.5 |
| | 500/690V | kW | 5.5 |
| Single-phase AC-3 | | | |
| | 110V | kW | 0.8 |
| | 220/230V | kW | 2.2 |
| | 380/440V | kW | 3 |

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COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM ENERGY AND AUTOMATION Three-phase AC23A 220/230V kW 5 7.5 380/440V kW 500/690V kW 7.5 Single-phase AC23A 110V kW 0.8 220/230V kW 2.5 380/440V kW 3.7 Rated operational current in DC DC21A 48V А 20 60V А 20 110V А 4 220V 0.6 А 440V A 0.25 DC23A (poles in series) 24V А 20(1) 48V 20 (2) А 60V A 20 (3) 110V 10 (3) А 220V 8 (4) A DC13 24V А 20 48V 16 А 60V А 12 110V A 1

| | | 1101 | / \ | 1 |
|-----------------------|---------------------------------------|------|--------|-------------------|
| | | 220V | А | 0.4 |
| | | 440V | А | 0.15 |
| Power dissipation | | | W | 0.8 |
| Mechanical features | S | | | |
| Terminals screw | | | | M3 |
| Tightening torque for | or 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 | 5x10 ⁶ |
| UL technical data | | | | |
| Motor power for dire | ect-on-line control | | | |
| | for three-phase motor | | | |
| | - | 120V | HP | 1.5 |
| | | 240V | HP | 3 |
| | | 480V | HP | 7.5 |
| | | 600V | HP | 10 |
| | for sharle all as a mater | | | |

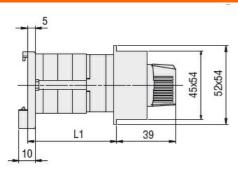
for single-phase motor



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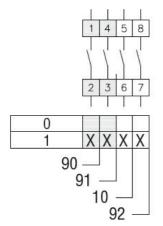
| | | 120V 240V | HP HP | 0.75 2 |
|----------------------|-----------------------|--------------|----------|-----------|
| Ambient conditions | | | | |
| Temperature | | | | |
| | Operating temperature | | | |
| | | min | °C | -25 |
| | | max | °C | +55 |
| | Storage temperature | | | |
| | | min | °C | -40 |
| | | max | °C | +70 |
| Resistance & Protect | ion | | | |
| Frontal IP degree | | | | IP40 |
| Terminals IP degree | | | | IP00 |

<u>Dimens</u>ions



| Corioo | 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

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ETIM classification

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| cCSAus | | |
|--------|--|--|
| EAC | | |
| UL | | |
| | | |

ETIM 8.0

EC001029 -Selector switch, complete

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