

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



| Product designation | | | Rotary cam |
|--|--------------|-------|--|
| Product type designation | | | switches 7GN20 |
| General characteristics | | | 7 GIN20 |
| Switching diagram | | | 10 - ON/OFF |
| | | | switch 3 poles |
| N° of elements | | | 2 |
| Mounting form | | | U - Front mounting with |
| Mounting form | | | black handle |
| Contact characteristics | | | Diagrama in a same in a sa |
| 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 | Α | 20 |
| | UL/CSA | Α | 20 |
| Rated operational voltage | | V | 480 |
| Rated operational impulse voltage | | kV | 4 |
| Maximum fuse size for short-circuit protection In (gG) | 401.4 | • | 00 |
| | 10kA | A | 20 |
| | 15kA 25kA | A | 16 16 |
| Rated short time current Icw | ZOKA | Α | 10 |
| Nated Short time current lew | 1s | Α | 250 |
| Conductivity | 13 | | 10/5 mA/V |
| Operational current le IEC/EN | | | 10,0111114 |
| AC1/AC21A | | | |
| | | Α | 20 |
| AC15 | | | |
| | 110V | Α | 10 |
| | 220/230V | Α | 8 |
| | 380/400V | Α | 6 |
| | 660/690V | Α | 1.5 |
| Rated operational power in AC | | | |
| Three-phase AC-3 | 000/000 | 1.167 | 0 |
| | 220/230V | kW | 3 |
| | 380/440V | kW | 5.5 5.5 |
| Single phase AC 2 | 500/690V | kW | 5.5 |
| Single-phase AC-3 | 110V | kW | 0.8 |
| | 220/230V | kW | 2.2 |
| | 380/440V | kW | 3 |
| Three-phase AC23A | | | |
| ₁ | 220/230V | kW | 5 |





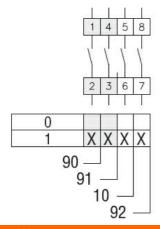
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| | | 380/440V | kW | 7.5 |
|---|--|---|-----------------------------|--|
| | | 500/690V | kW | 7.5 |
| | Single-phase AC23A | | | |
| | | 110V | kW | 0.8 |
| | | 220/230V | kW | 2.5 |
| | | 380/440V | kW | 3.7 |
| Rated operational curre | ent in DC | | | |
| • | DC21A | | | |
| | | 48V | Α | 20 |
| | | 60V | Α | 20 |
| | | 110V | Α | 4 |
| | | 220V | Α | 0.6 |
| | | 440V | Α | 0.25 |
| | DC23A (poles in series) | | | |
| | 2 2 2 3 1 (F 3 1 3 3 1 3 3 3 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | 24V | Α | 20 (1) |
| | | 48V | A | 20 (2) |
| | | 60V | Α | 20 (3) |
| | | 110V | A | 10 (3) |
| | | 220V | A | 8 (4) |
| | DC13 | 220 V | | O (4) |
| | D013 | 24V | Α | 20 |
| | | 48V | A | 16 |
| | | 60V | A | 12 |
| | | 110V | A | 1 |
| | | 220V | A | 0.4 |
| | | 440V | A | 0.4 |
| Power dissipation | | 440 V | W | 0.8 |
| Mechanical features | | | VV | 0.0 |
| Terminals screw | | | | M3 |
| | arminala may | | Nm | 0.5 |
| Tightening torque for to Conductor size | errillidis max | | INIII | 0.5 |
| Conductor size | AVAC Divid coble | | | |
| | AWG - Rigid cable | | A1A/O | 00 |
| | | min | AWG | 20 |
| | ANALO EL III III | Max | AWG | 12 |
| | AWG - Flexible cable | | A14/0 | 0.0 |
| | | min | AWG | 20 |
| | | Max | AWG | 14 |
| | Conductor size (IEC) - Flexible cable | | _ | |
| | | | mm² | 0.5 |
| | | min | | |
| | | min Max | mm² | 2.5 |
| | Conductor size (IEC) - Rigid cable | Max | mm² | |
| | Conductor size (IEC) - Rigid cable | Max min | mm² | 0.5 |
| | Conductor size (IEC) - Rigid cable | Max | mm² mm² mm² | 0.5 2.5 |
| Mechanical life | Conductor size (IEC) - Rigid cable | Max min | mm² | 0.5 |
| UL technical data | | Max min | mm² mm² mm² | 0.5 2.5 |
| | on-line control | Max min | mm² mm² mm² | 0.5 2.5 |
| UL technical data | | Max min Max | mm² mm² mm² cycles | 0.5 2.5 5x10 ⁶ |
| UL technical data | on-line control | Max min | mm² mm² mm² | 0.5 2.5 |
| UL technical data | on-line control | Max min Max 120V 240V | mm² mm² mm² cycles | 0.5 2.5 5x10 ⁶ 1.5 |
| UL technical data | on-line control | Max min Max | mm² mm² mm² cycles | 0.5 2.5 5x10 ⁶ 1.5 3 7.5 |
| UL technical data | on-line control | Max min Max 120V 240V | mm² mm² cycles | 0.5 2.5 5x10 ⁶ 1.5 |
| UL technical data | on-line control | Max min Max 120V 240V 480V | mm² mm² cycles | 0.5 2.5 5x10 ⁶ 1.5 3 7.5 |
| UL technical data | on-line control for three-phase motor | Max min Max 120V 240V 480V | mm² mm² cycles | 0.5 2.5 5x10 ⁶ 1.5 3 7.5 |
| UL technical data | on-line control for three-phase motor | Max min Max 120V 240V 480V 600V | mm² mm² cycles HP HP HP | 0.5 2.5 5x10 ⁶ 1.5 3 7.5 |



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| 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 |
| Dimensions | | | | |
| 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

EC001105 - Offload switch