ENERGY AND AUTOMATION

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



| Product designation | | | Rotary cam |
|---|----------|---------|---------------------------|
| | | | switches |
| Product type designation | | | 7GN20 |
| General characteristics | | | 00 01/055 |
| Switching diagram | | | 03 - ON/OFF spring return |
| Switching diagram | | | switch 3 poles |
| N° of elements | | | 2 |
| | | | U - Front |
| Mounting form | | | mounting with |
| | | | black handle |
| Contact characteristics | | | |
| Rated insulation voltage Ui | 150/5N | | 000 |
| | IEC/EN | V | 690 |
| Detad impulse withstand valtage Himp | UL/CSA | V kV | 600 |
| Rated impulse withstand voltage Uimp Conventional free air thermal current Ith | | ΚV | 6 |
| Conventional nee all thermal current full | IEC/EN | Α | 20 |
| | UL/CSA | A | 20 |
| Rated operational voltage | OLIOOA | V | 480 |
| Rated operational impulse voltage | | kV | 4 |
| Maximum fuse size for short-circuit protection In (gG) | | 100 | |
| maximum rass size for effect should procession in (ge) | 10kA | Α | 20 |
| | 15kA | Α | 16 |
| | 25kA | Α | 16 |
| Rated short time current lcw | | | |
| | 1s | kA | 250 |
| Conductivity | | | 10/5 mA/V |
| Operational current le IEC/EN | | | |
| AC1/AC21A | | | |
| | | Α | 20 |
| AC15 | | | |
| | 110V | Α | 10 |
| | 220/230V | A | 8 |
| | 380/400V | A | 6 |
| Rated operational power in AC | 660/690V | A | 1.5 |
| · | | | |
| 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 |
| Three-phase AC23A | | | |



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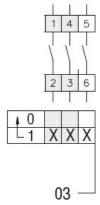
| | | 220/230V | kW | 5 |
|-----------------------|---|----------|-----------|-------------------|
| | | 380/440V | kW | 7.5 |
| | | 500/690V | kW | 7.5 |
| | Single-phase AC23A | 000,0001 | | 7.0 |
| | Single-phase AOZOA | 110\/ | 14/// | 0.0 |
| | | 110V | kW | 0.8 |
| | | 220/230V | kW | 2.5 |
| | | 380/440V | kW | 3.7 |
| Rated operational of | current in DC | | | |
| | DC21A | | | |
| | | 48V | Α | 20 |
| | | 60V | Α | 20 |
| | | 110V | A | 4 |
| | | | | |
| | | 220V | Α | 0.6 |
| | | 440V | Α | 0.25 |
| | DC23A (poles in series) | | | |
| | | 24V | Α | 20 (1) |
| | | 48V | Α | 20 (2) |
| | | 60V | Α | 20 (3) |
| | | 110V | | |
| | | | A | 10 (3) |
| | | 220V | Α | 8 (4) |
| | DC13 | | | |
| | | 24V | Α | 20 |
| | | 48V | Α | 16 |
| | | 60V | Α | 12 |
| | | 110V | Α | 1 |
| | | 220V | Α | 0.4 |
| | | | | |
| | | 440V | A | 0.15 |
| Power dissipation | | | W | 0.8 |
| Mechanical feature | S | | | |
| Terminals screw | | | | M3 |
| Tightening torque for | or terminals max | | Nm | 0.5 |
| Conductor size | | | | |
| | AWG - Rigid cable | | | |
| | AVVO Trigia cable | min | A \A/C | 20 |
| | | min | AWG | 20 |
| | | Max | AWG | 12 |
| | AWG - Flexible cable | | | |
| | | min | AWG | 20 |
| | | Max | AWG | 14 |
| | Conductor size (IEC) - Flexible cable | | | |
| | Conductor CLO (ILO) I Totalio Gabio | min | mm² | 0.5 |
| | | | | |
| | 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 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 dir | ect-on-line control | | | |
| motor power for all | | | | |
| | for three-phase motor | | | |
| | | 120V | HP | 1.5 |
| | | 240V | HP | 3 |
| | | 480V | HP | 7.5 |
| | | 600V | HP | 10 |
| | for single-phase motor | 3334 | | · - |
| | וטו אווואופ-טוומשב וווטנטו | 4001/ | Пυ | 0.75 |
| | | 120V | HP | 0.75 |
| | | | | |



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| | | 240V | HP | 2 |
|----------------------|-----------------------|------|----|------|
| Ambient conditions | | | | |
| Temperature | | | | |
| | Operating temperature | | | |
| | | min | °C | -25 |
| | | max | °C | +55 |
| | Storage temperature | | | |
| | | min | °C | -40 |
| | | max | °C | +70 |
| Resistance & Protect | tion | | | |
| Frontal IP degree | | | | IP40 |
| Terminals IP degree | | | | IP00 |
| Dimensions | | | | |
| Wiring diagrams | | | | |
| 111 | | | | |



| Certifications | and | compl | lance |
|----------------|-----|-------|-------|
| 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