

GX1686O electric ROTARY CAM SWITCH GX SERIES, MULTI-STEP 1-2-3, 2 POLES 16A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

| Product designation | | | Rotary cam |
|---|----------------------|--------|----------------------------|
| - | | | switches |
| Product type designation General characteristics | | | GX16 |
| Switching diagram | | | 86 - Multi-step 1- |
| N° of elements | | | 2-3 2 poles 3 |
| | | | O - Rear |
| Mounting form | | | mounting with black handle |
| Contact characteristics | | | |
| Rated insulation voltage Ui | | | |
| | IEC/EN | V | 690 |
| | UL/CSA | V | 600 |
| Rated impulse withstand voltage Uimp Conventional free air thermal current Ith | | kV | 6 |
| Conventional free air thermal current ith | IEC/EN | ^ | 16 |
| | UL/CSA | A A | 10 |
| Rated operational voltage | 01/03A | V | 440 |
| Rated operational impulse voltage | | kV | 4 |
| Maximum fuse size for short-circuit protection In (| nG) | | · |
| | 10kA | А | 16 |
| | 15kA | А | 16 |
| | 25kA | А | 16 |
| Rated short time current Icw | | | |
| | 1s | А | 250 |
| Conductivity | | | 10/5 mA/V |
| Operational current le IEC/EN | | | |
| AC1/AC21A | | | |
| | | A | 16 |
| AC15 | 1101 | • | 10 |
| | 110V | A | 10 |
| | 220/230V 380/400V | A A | 8 4 |
| | 660/690V | A | 1.5 |
| Rated operational power in AC | 000,000 (| | 1.0 |
| Three-phase AC-3 | | | |
| | 220/230V | kW | 3.5 |
| | 380/440V | kW | 4.5 |
| | 500/690V | kW | 5.5 |
| Single-phase AC-3 | | | |
| | 110V | kW | 0.55 |
| | 220/230V | kW | 1.5 |
| | 380/440V | kW | 2.2 |
| Three-phase AC23A | | | 0.7 |
| | 220/230V | kW | 3.7 |
| | 380/440V | kW | 6.5 7.5 |
| Single-phase AC23A | 500/690V | kW | 7.5 |
| Single-phase AC23A | 110V | kW | 0.75 |
| | 220/230V | kW | 1.8 |
| | 380/440V | kW | 3 |
| Rated operational current in DC | 000/110/ | / | ~ |

Rated operational current in DC

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ENERGY AND AUTOMATION

OVE

| ENERGY AND ADTOMATION | | | | |
|--------------------------|---------------------------------------|--------------|--------|-------------------|
| | 50044 | | | |
| | DC21A | | _ | |
| | | 48V | A | 16 |
| | | 60V | А | 16 |
| | | 110V | A | 4 |
| | | 220V | А | 0.6 |
| | | 440V | А | 0.25 |
| | DC23A (poles in series) | | | |
| | | 24V | А | 16 (1) |
| | | 48V | A | 16 (2) |
| | | 60V | A | 16 (3) |
| | | 110V | A | 10 (3) |
| | | | | |
| | | 220V | A | 7 (4) |
| | DC13 | | _ | |
| | | 24V | A | 16 |
| | | 48V | A | 14 |
| | | 60V | А | 10 |
| | | 110V | А | 1 |
| | | 220V | А | 0.4 |
| | | 440V | А | 0.15 |
| Power dissipation | | - | W | 0.6 |
| Mechanical features | | | | 010 |
| Terminals screw | | | | 3M |
| | | | Nine | |
| Tightening torque for to | erminals max | | Nm | 0.5 |
| Conductor size | | | | |
| | AWG - Rigid cable | | | |
| | | min | AWG | 20 |
| | | Max | AWG | 12 |
| | AWG - Flexible cable | | | |
| | | min | AWG | 20 |
| | | Max | AWG | 12 |
| | Conductor size (IEC) - Flexible cable | | | |
| | | min | mm² | 0.5 |
| | | Max | mm² | 2.5 |
| | Conductor size (IEC) Disid coble | IVIdX | 111111 | 2.0 |
| | Conductor size (IEC) - Rigid cable | | 2 | ~ - |
| | | min | mm² | 0.5 |
| | | Max | mm² | 2.5 |
| Mechanical life | | | cycles | 1X10 ⁶ |
| UL technical data | | | | |
| Motor power for direct- | -on-line control | | | |
| | for three-phase motor | | | |
| | | 120V | HP | 1.5 |
| | | 240V | HP | 3 |
| | | 480V | HP | 5 |
| | | 400V 600V | HP | 5 |
| | for single-phase motor | 000 V | 111 | 5 |
| | for single-phase motor | 4001/ | ЦБ | 0.75 |
| | | 120V | HP | 0.75 |
| | | 240V | HP | 1 |
| Ambient conditions | | | | |
| Temperature | | | | |
| | Operating temperature | | | |
| | | min | °C | -25 |
| | | max | °C | +55 |
| | Storage temperature | | | |
| | | min | °C | -40 |
| | | | - | |

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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

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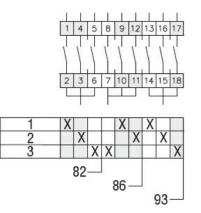
electric ROTARY CAM SWITCH GX SERIES, MULTI-STEP 1-2-3, 2 POLES 16A, FOR REAR MOUNTING

ENERGY AND AUTOMATION

WITH BLACK HANDLE, FRONT PLATE 48X48MM

| | max | °C | +70 |
|-------------------------|-----|----|------|
| Resistance & Protection | | | |
| Frontal IP degree | | | IP65 |
| Terminals IP degree | | | IP20 |
| 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 | |
| | IEC/EN/BS 61058-1 | |
| | UL60947-4-1 | |
| Certificates | | |
| | cULus | |
| | EAC | |
| ETIM classification | | |
| | | EC001029 - |

ETIM 8.0