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|---|-------------------|------|------|--|
| Product designation | | | | Rotary cam switches |
| Product type designation | | | | GX16 |
| General characteristics | | | | |
| Switching diagram | | | | 110 - Multi-step 0-1-2-3-4-5 1 pole |
| N° of elements | | | | 3 |
| Mounting form | | | | O - Rear mounting with black handle |
| Contact characteristics | | | | |
| Rated insulation voltage U_i | IEC/EN | V | 690 | |
| | UL/CSA | V | 600 | |
| Rated impulse withstand voltage U_{imp} | | kV | 6 | |
| Conventional free air thermal current I_{th} | IEC/EN | A | 16 | |
| | UL/CSA | A | 12 | |
| Rated operational voltage | | V | 440 | |
| Rated operational impulse voltage | | kV | 4 | |
| Maximum fuse size for short-circuit protection I_n (gG) | 10kA | A | 16 | |
| | 15kA | A | 16 | |
| | 25kA | A | 16 | |
| Rated short time current I_{cw} | | 1s | kA | 250 |
| | | | | 10/5 mA/V |
| Conductivity | | | | 10/5 mA/V |
| Operational current I_e IEC/EN | AC1/AC21A | | | A 16 |
| | AC15 | | | |
| | 110V | A | 10 | |
| | 220/230V | A | 8 | |
| | 380/400V | A | 4 | |
| | 660/690V | A | 1.5 | |
| Rated operational power in AC | 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 | | | |
| | 220/230V | kW | 3.7 | |
| | 380/440V | kW | 6.5 | |
| | 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 | | | | |

| | | | | |
|--|------|-----------------|--|-------------------|
| DC21A | | | | |
| | 48V | A | | 16 |
| | 60V | A | | 16 |
| | 110V | A | | 4 |
| | 220V | A | | 0.6 |
| | 440V | A | | 0.25 |
| DC23A (poles in series) | | | | |
| | 24V | A | | 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 | A | | 10 |
| | 110V | A | | 1 |
| | 220V | A | | 0.4 |
| | 440V | A | | 0.15 |
| Power dissipation | | W | | 0.6 |
| Mechanical features | | | | |
| Terminals screw | | | | 3M |
| 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 | | 12 |
| Conductor size (IEC) - Flexible cable | | | | |
| | min | mm ² | | 0.5 |
| | Max | mm ² | | 2.5 |
| Conductor size (IEC) - Rigid cable | | | | |
| | min | mm ² | | 0.5 |
| | Max | mm ² | | 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 |
| | 600V | HP | | 5 |
| for single-phase motor | | | | |
| | 120V | HP | | 0.75 |
| | 240V | HP | | 1 |
| Ambient conditions | | | | |
| Temperature | | | | |
| Operating temperature | | | | |
| | min | °C | | -25 |
| | max | °C | | +55 |
| Storage temperature | | | | |
| | min | °C | | -40 |

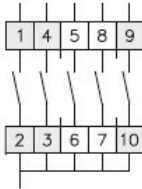
max °C +70

Resistance & Protection

| | |
|---------------------|------|
| Frontal IP degree | IP65 |
| Terminals IP degree | IP20 |

Dimensions

Wiring diagrams



| | | | | | |
|---|---|---|---|---|---|
| 0 | | | | | |
| 1 | X | | | | |
| 2 | | | X | | |
| 3 | | | | | X |
| 4 | | X | | | |
| 5 | | | | X | |

110 —

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

ETIM 8.0

EC001029 -
Selector switch,
complete