# GX1669P

ENCLOSED ROTARY CAM SWITCH GX SERIES, CHANGEOVER SWITCH WITHOUT 0, 4 POLES 16A IN PLASTIC ENCLOSURE 90X90MM WITH BLACK HANDLE

## General characteristics

| | | | |
|---|---|---|---|
| Switching diagram | | | 69 - Changeover switch without 0 4 poles |
| N° of elements | | | 4 |
| Mounting form | | | P - Plastic enclosure with black handle |

## Contact characteristics

| | | | |
|---|---|---|---|
| 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 | A | 16 |
| | UL/CSA | A | 12 |
| Rated operational voltage | | V | 440 |
| Rated operational impulse voltage | | kV | 4 |
| Maximum fuse size for short-circuit protection In (gG) | | | |
| | 10kA | A | 16 |
| | 15kA | A | 16 |
| | 25kA | A | 16 |
| Rated short time current Icw | | | |
| | 1s | kA | 250 |
| Conductivity | | | 10/5 mA/V |
| Operational current Ie 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 |


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| | | | | |
|---|---|---|---|---|
| | | 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 | mm² | 0.5 |
| | | Max | mm² | 2.5 |
| | Conductor size (IEC) - Rigid cable | | | |
| | | 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 |
| | | 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** | | | | |

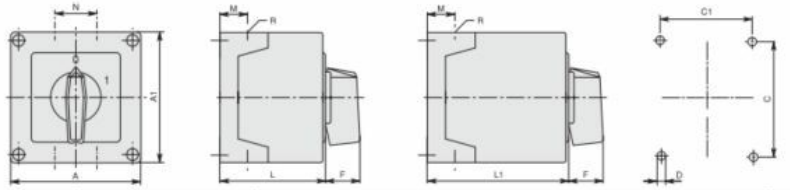

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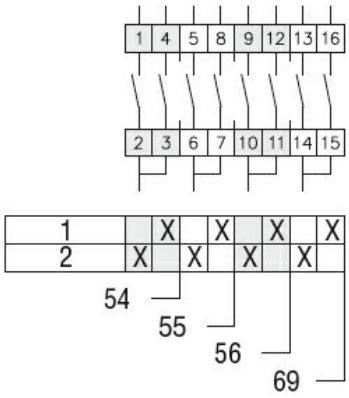
| | |
|---|---|
| Frontal IP degree | IP65 |
| Terminals IP degree | IP20 |

## Dimensions



| Series | Enclosure size | Number of elements L | Number of elements L1 | Dimensions A | A1 | C | C1 | D | F | M | N | L | L1 | Cable entry | Protection degree |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GX15●● | 90x90 | 1 - 2 | 3 - 5 | 90 | 90 | 79 | 79 | 4.5 | 25 | 19 | 30 | 71.3 | 98.3 | 4xPG16 | IP65 |
| GX20●● | | 1 - 2 | 3 - 5 | | | | | | | | | | | | |
| GX16 | 110x110 | 1 - 3 | 4 - 7 | 110 | 110 | 98.4 | 83 | 4.5 | 32 | 21 | 39.5 | 85.5 | 119.5 | 4xPG21 | IP65 |
| GX20 | | 1 - 3 | 4 - 7 | | | | | | | | | | | | |
| GX32●● | | 1 - 2 | 3 - 4 | | | | | | | | | | | | |
| GX40●● | | 1 - 2 | 3 - 4 | | | | | | | | | | | | |

## Wiring diagrams




## Certifications and compliance

| | |
|---|---|
| Compliance | |
| | IEC/EN/BS 60947-1 |
| | IEC/EN/BS 60947-3 |
| | IEC/EN/BS 60947-5-1 |
| | IEC/EN/BS 61058-1 |
| Certificates | |
| | EAC |

## ETIM classification

| | |
|---|---|
| ETIM 8.0 | EC001029 - Selector switch, complete |


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