# GX4090U

Rotary cam switch GX series, ON-OFF switch 1 pole 40A, for front mounting with black handle, front plate 65X65mm

| | | | |
|---|---|---|---|
| Product designation | | | Rotary cam switches |
| Product type designation | | | GX40 |
| **General characteristics** | | | |
| Switching diagram | | | 90 - ON/OFF switch 1 pole |
| N° of elements | | | 1 |
| Mounting form | | | U - Front mounting 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 | 40 |
| | UL/CSA | A | 40 |
| Rated operational voltage | | V | 440 |
| Rated operational impulse voltage | | kV | 4 |
| Maximum fuse size for short-circuit protection In (gG) | | | |
| | 10kA | A | 40 |
| | 15kA | A | 35 |
| | 25kA | A | 35 |
| Rated short time current Icw | | | |
| | 1s | A | 1000 |
| Conductivity | | | 10/5 mA/V |
| Operational current Ie IEC/EN | | | |
| AC1/AC21A | | | |
| | | A | 40 |
| AC15 | | | |
| | 110V | A | 25 |
| | 220/230V | A | 22 |
| | 380/400V | A | 12 |
| | 660/690V | A | 2 |
| Rated operational power in AC | | | |
| Three-phase AC3 | | | |
| | 220/230V | kW | 7.5 |
| | 380/440V | kW | 15 |
| | 500/690V | kW | 15 |
| Single-phase AC3 | | | |
| | 110V | kW | 2.2 |
| | 220/230V | kW | 4.4 |
| | 380/440V | kW | 7 |
| Three-phase AC23A | | | |
| | 220/230V | kW | 9 |
| | 380/440V | kW | 18.5 |
| | 500/690V | kW | 15 |
| Single-phase AC23A | | | |
| | 110V | kW | 3 |
| | 220/230V | kW | 5.2 |
| | 380/440V | kW | 7.5 |
| Rated operational current in DC | | | |


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| | | | | |
|---|---|---|---|---|
| | DC21A | | | |
| | | 48V | A | 40 |
| | | 60V | A | 40 |
| | | 110V | A | 6 |
| | | 220V | A | 0.8 |
| | | 440V | A | 0.25 |
| | DC23A (poles in series) | | | |
| | | 24V | A | 40 (1) |
| | | 48V | A | 40 (1) |
| | | 60V | A | 40 (3) |
| | | 110V | A | 40 (3) |
| | | 220V | A | 12 (4) |
| | DC13 | | | |
| | | 24V | A | 40 |
| | | 48V | A | 32 |
| | | 60V | A | 16 |
| | | 110V | A | 3 |
| | | 220V | A | 0.5 |
| | | 440V | A | 0.15 |
| Power dissipation | | | W | 1.6 |
| **Mechanical features** | | | | |
| Terminals screw | | | | M4 |
| Tightening torque for terminals max | | | Nm | 1.2 |
| Conductor size | | | | |
| | AWG - Rigid cable | | | |
| | | min | AWG | 16 |
| | | Max | AWG | 8 |
| | AWG - Flexible cable | | | |
| | | min | AWG | 16 |
| | | Max | AWG | 10 |
| | Conductor size (IEC) - Flexible cable | | | |
| | | min | mm² | 1.5 |
| | | Max | mm² | 6 |
| | Conductor size (IEC) - Rigid cable | | | |
| | | min | mm² | 1.5 |
| | | Max | mm² | 10 |
| Mechanical life | | | cycles | 1X10⁶ |
| **UL technical data** | | | | |
| Motor power for direct-on-line control | | | | |
| | for three-phase motor | | | |
| | | 120V | HP | 5 |
| | | 240V | HP | 10 |
| | | 480V | HP | 15 |
| | | 600V | HP | 15 |
| | for single-phase motor | | | |
| | | 120V | HP | 2 |
| | | 240V | HP | 5 |
| **Ambient conditions** | | | | |
| Temperature | | | | |
| | Operating temperature | | | |
| | | min | °C | -25 |
| | | max | °C | +55 |
| | Storage temperature | | | |
| | | min | °C | -40 |


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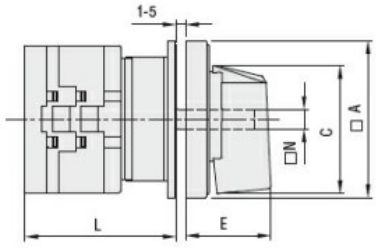
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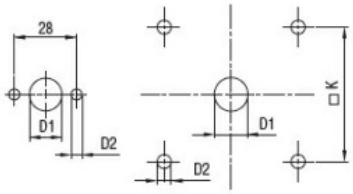
| | | | |
|---|---|---|---|
| | max | °C | +70 |

## Resistance & Protection

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

## Dimensions

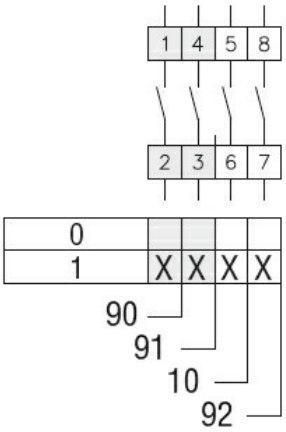



Drillings for 4 screws fixing (4V version).

| Series | Dimensions | | | | | | | L Number of elements | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | □A | C | ØD1 | ØD2 | E | □K | □N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| **GX16** | 48 | 39.5 | 12 | 5 | 26.5 | 36 | 6 | 43 | 51.5 | 60 | 68.5 | 77 | 85.5 | 94 | 102.5 | 111 | 119.5 | 128 | 136.5 |
| **GX20** | 48 | 39.5 | 12 | 5 | 26.5 | 36 | 6 | 43 | 51.5 | 60 | 68.5 | 77 | 85.5 | 94 | 102.5 | 111 | 119.5 | 128 | 136.5 |
| **GX32** | 65 | 53 | 14 | 5 | 34.5 | 48 | 7 | 51 | 63 | 75 | 85 | 99 | 111 | 123 | 135 | 147 | 159 | 171 | 183 |
| **GX40** | 65 | 53 | 14 | 5 | 34.5 | 48 | 7 | 51 | 63 | 75 | 85 | 99 | 111 | 123 | 135 | 147 | 159 | 171 | 183 |

## 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

| | |
|---|---|
| ETIM 8.0 | EC001105 - Off-load switch |


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