



Product designation

Rotary cam switches

Product type designation

GX16

General characteristics

Switching diagram

03 - ON/OFF spring return switch 3 poles

N° of elements

2

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 |
|----|----|-----|

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 |
| <hr/> | | | |
| Single-phase AC23A | 110V | kW | 0.75 |
| | 220/230V | kW | 1.8 |
| | 380/440V | kW | 3 |
| <hr/> | | | |
| Rated operational current in DC | | | |
| DC21A | 48V | A | 16 |
| | 60V | A | 16 |
| | 110V | A | 4 |
| | 220V | A | 0.6 |
| | 440V | A | 0.25 |
| <hr/> | | | |
| DC23A (poles in series) | 24V | A | 16 (1) |
| | 48V | A | 16 (2) |
| | 60V | A | 16 (3) |
| | 110V | A | 10 (3) |
| | 220V | A | 7 (4) |
| <hr/> | | | |
| DC13 | 24V | A | 16 |
| | 48V | A | 14 |
| | 60V | A | 10 |
| | 110V | A | 1 |
| | 220V | A | 0.4 |
| | 440V | A | 0.15 |
| <hr/> | | | |
| Power dissipation | | W | 0.6 |
| Mechanical features | | | |
| Terminals screw | | | 3M |
| Tightening torque for terminals max | | Nm | 0.5 |
| <hr/> | | | |
| Conductor size | | | |
| AWG - Rigid cable | | | |
| | min | AWG | 20 |
| | Max | AWG | 12 |
| <hr/> | | | |
| AWG - Flexible cable | | | |
| | min | AWG | 20 |
| | Max | AWG | 12 |
| <hr/> | | | |
| Conductor size (IEC) - Flexible cable | | | |
| | min | mm ² | 0.5 |
| | Max | mm ² | 2.5 |
| <hr/> | | | |
| Conductor size (IEC) - Rigid cable | | | |
| | min | mm ² | 0.5 |
| | Max | mm ² | 2.5 |
| <hr/> | | | |
| 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 |
| <hr/> | | | |
| 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

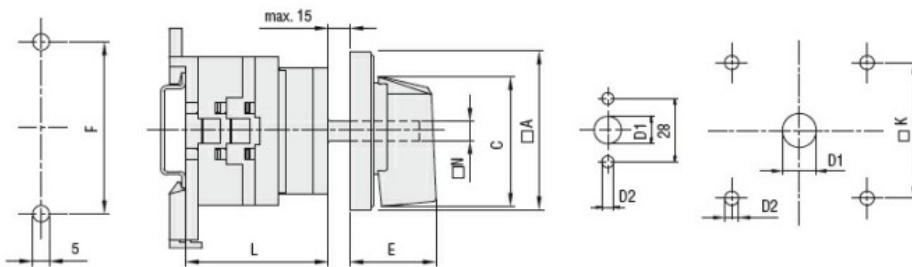
Frontal IP degree

IP65

Terminals IP degree

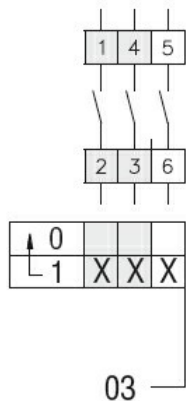
IP20

Dimensions



| Series | Dimensions | | | | | L Number of elements | | | | | | | | | | | |
|--------|------------|------|------|----|---|----------------------|------|----|------|----|------|-----|------|-----|-------|-----|-------|
| | A | C | E | F | N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| GX16 | 48 | 39.5 | 26.5 | 52 | 6 | 37 | 45.5 | 54 | 62.5 | 71 | 79.5 | 88 | 96.5 | 105 | 113.5 | 122 | 130.5 |
| GX20 | 48 | 39.5 | 26.5 | 52 | 6 | 37 | 45.5 | 54 | 62.5 | 71 | 79.5 | 88 | 96.5 | 105 | 113.5 | 122 | 130.5 |
| GX32 | 65 | 53 | 34.5 | 68 | 7 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 | 156 | 168 | 180 |
| GX40 | 65 | 53 | 34.5 | 68 | 7 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 | 156 | 168 | 180 |

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

EC001029 -
Selector switch,
complete