

|                                                        |  |  |                                            |     |      |
|--------------------------------------------------------|--|--|--------------------------------------------|-----|------|
| Product designation                                    |  |  | Rotary cam switches                        |     |      |
| Product type designation                               |  |  | GX16                                       |     |      |
| General characteristics                                |  |  |                                            |     |      |
| Switching diagram                                      |  |  | 108 - Multi-step<br>0-1-2-3 1 pole         |     |      |
| N° of elements                                         |  |  | 2                                          |     |      |
| Mounting form                                          |  |  | U - Front<br>mounting with<br>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   |
| 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 <sup>2</sup> | 0.5 |
| Max | mm <sup>2</sup> | 2.5 |

Conductor size (IEC) - Rigid cable

|     |                 |     |
|-----|-----------------|-----|
| min | mm <sup>2</sup> | 0.5 |
| Max | mm <sup>2</sup> | 2.5 |

|                 |        |                   |
|-----------------|--------|-------------------|
| Mechanical life | cycles | 1X10 <sup>6</sup> |
|-----------------|--------|-------------------|

**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 |
|-----|----|-----|

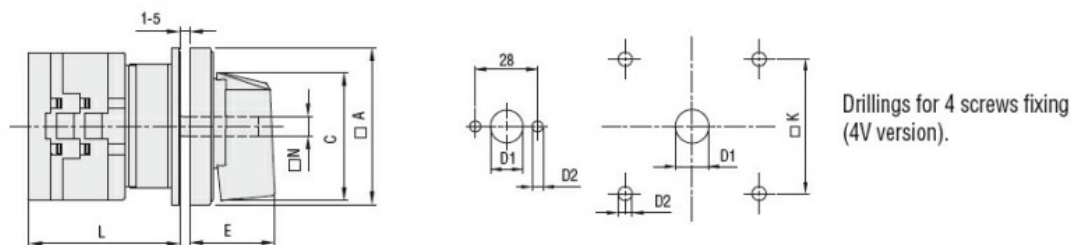
max °C +70

## Resistance & Protection

Frontal IP degree IP65

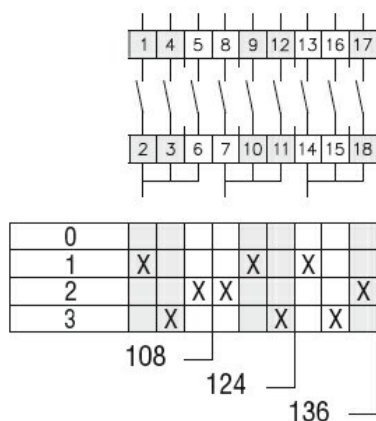
Terminals IP degree IP20

## Dimensions



| 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

EC001029 -  
Selector switch,  
complete