



### General characteristics

|                   |                                      |
|-------------------|--------------------------------------|
| Switching diagram | 51 - Changeover switch 1 pole        |
| N° of elements    | 1                                    |
| Mounting form     | U - Front 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  | 20        |
|                                                           | UL/CSA             | A  | 15        |
| Rated operational voltage                                 |                    | V  | 440       |
| Rated operational impulse voltage                         |                    | kV | 4         |
| Maximum fuse size for short-circuit protection $I_n$ (gG) | 10kA               | A  | 20        |
|                                                           | 15kA               | A  | 20        |
|                                                           | 25kA               | A  | 20        |
| Rated short time current $I_{cw}$                         |                    |    |           |
|                                                           | 1s                 | kA | 250       |
| Conductivity                                              |                    |    | 10/5 mA/V |
| Operational current $I_e$ IEC/EN                          |                    |    |           |
|                                                           | AC1/AC21A          | A  | 20        |
| AC15                                                      | 110V               | A  | 10        |
|                                                           | 220/230V           | A  | 8         |
|                                                           | 380/400V           | A  | 6         |
|                                                           | 660/690V           | A  | 1.5       |
|                                                           |                    |    |           |
| Rated operational power in AC                             |                    |    |           |
|                                                           | Three-phase AC-3   |    |           |
|                                                           | 220/230V           | kW | 3.7       |
|                                                           | 380/440V           | kW | 5.5       |
|                                                           | 500/690V           | kW | 5.5       |
|                                                           | Single-phase AC-3  |    |           |
|                                                           | 110V               | kW | 0.75      |
|                                                           | 220/230V           | kW | 1.8       |
|                                                           | 380/440V           | kW | 3         |
|                                                           | Three-phase AC23A  |    |           |
|                                                           | 220/230V           | kW | 4         |
|                                                           | 380/440V           | kW | 7.5       |
|                                                           | 500/690V           | kW | 7.5       |
|                                                           | Single-phase AC23A |    |           |

ROTARY CAM SWITCH GX SERIES, CHANGEOVER SWITCH 1 POLE 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

|                                        |  |          |                 |                   |
|----------------------------------------|--|----------|-----------------|-------------------|
|                                        |  | 110V     | kW              | 0.75              |
|                                        |  | 220/230V | kW              | 2.2               |
|                                        |  | 380/440V | kW              | 3.5               |
| Rated operational current in DC        |  |          |                 |                   |
| DC21A                                  |  |          |                 |                   |
|                                        |  | 48V      | A               | 20                |
|                                        |  | 60V      | A               | 20                |
|                                        |  | 110V     | A               | 4                 |
|                                        |  | 220V     | A               | 0.6               |
|                                        |  | 440V     | A               | 0.25              |
| DC23A (poles in series)                |  |          |                 |                   |
|                                        |  | 24V      | A               | 20 (1)            |
|                                        |  | 48V      | A               | 20 (2)            |
|                                        |  | 60V      | A               | 20 (3)            |
|                                        |  | 110V     | A               | 10 (3)            |
|                                        |  | 220V     | A               | 8 (4)             |
| DC13                                   |  |          |                 |                   |
|                                        |  | 24V      | A               | 20                |
|                                        |  | 48V      | A               | 16                |
|                                        |  | 60V      | A               | 12                |
|                                        |  | 110V     | A               | 1                 |
|                                        |  | 220V     | A               | 0.4               |
|                                        |  | 440V     | A               | 0.15              |
| Power dissipation                      |  |          | W               | 0.6               |
| Mechanical features                    |  |          |                 |                   |
| Terminals screw                        |  |          |                 | M3                |
| Tightening torque for terminals max    |  |          | Nm              | 0.8               |
| 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              | 1.5               |
| Ambient conditions                     |  |          |                 |                   |
| Temperature                            |  |          |                 |                   |
| Operating temperature                  |  |          |                 |                   |

|     |    |     |
|-----|----|-----|
| min | °C | -25 |
| max | °C | +55 |

Storage temperature

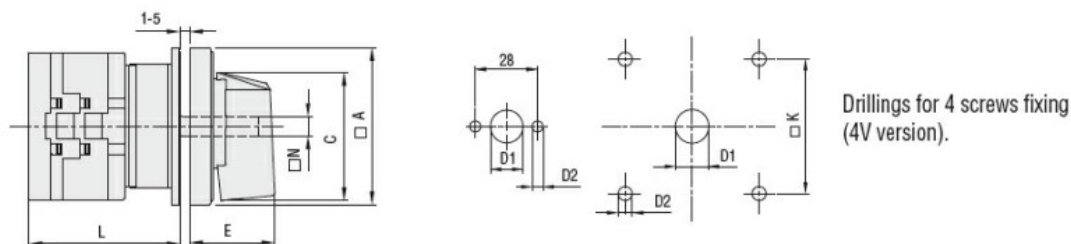
|     |    |     |
|-----|----|-----|
| min | °C | -40 |
| max | °C | +70 |

## Resistance & Protection

Frontal IP degree IP65

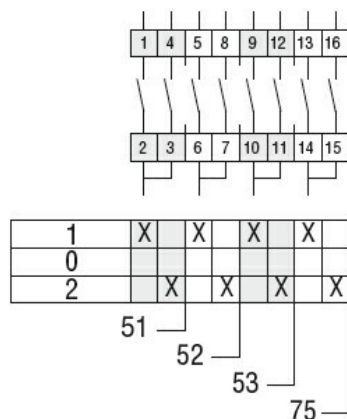
Terminals IP degree IP20

## 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

EC001105 - Off-load switch