

|                                                        |          |    |                                     |
|--------------------------------------------------------|----------|----|-------------------------------------|
| Product designation                                    |          |    | Rotary cam switches                 |
| Product type designation                               |          |    | GX16                                |
| General characteristics                                |          |    |                                     |
| Switching diagram                                      |          |    | 87 - Multi-step 1-2-3-4 2 poles     |
| N° of elements                                         |          |    | 4                                   |
| Mounting form                                          |          |    | O - Rear 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  | 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

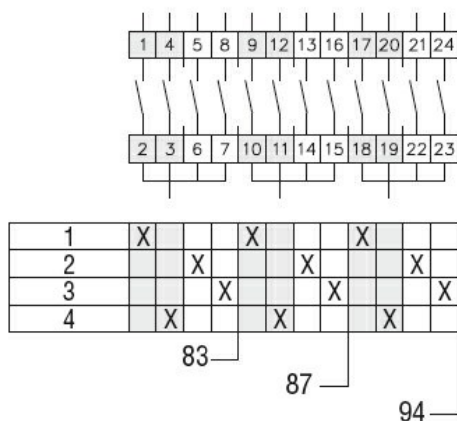
## Resistance & Protection

Frontal IP degree IP65

Terminals IP degree IP20

## Dimensions

## 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