

|                                                        |                                                                                       |                  |                     |
|--------------------------------------------------------|---------------------------------------------------------------------------------------|------------------|---------------------|
| Product designation                                    | Rotary cam switches                                                                   |                  |                     |
| Product type designation                               | GX16                                                                                  |                  |                     |
| General characteristics                                |                                                                                       |                  |                     |
| Switching diagram                                      | 135 - Multi-step<br>0-1-2 3 poles                                                     |                  |                     |
| N° of elements                                         | 3                                                                                     |                  |                     |
| Mounting form                                          | U47 - Snap on<br>fron mounting<br>with black handle<br>for hole diam.<br>22mm finxing |                  |                     |
| Contact characteristics                                |                                                                                       |                  |                     |
| Rated insulation voltage Ui                            | IEC/EN<br>UL/CSA                                                                      | V<br>V           | 690<br>600          |
| Rated impulse withstand voltage Uimp                   |                                                                                       | kV               | 6                   |
| Conventional free air thermal current Ith              | IEC/EN<br>UL/CSA                                                                      | A<br>A           | 16<br>12            |
| Rated operational voltage                              |                                                                                       | V                | 440                 |
| Rated operational impulse voltage                      |                                                                                       | kV               | 4                   |
| Maximum fuse size for short-circuit protection In (gG) | 10kA<br>15kA<br>25kA                                                                  | A<br>A<br>A      | 16<br>16<br>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<br>220/230V<br>380/400V<br>660/690V                                              | A<br>A<br>A<br>A | 10<br>8<br>4<br>1.5 |
| Rated operational power in AC                          |                                                                                       |                  |                     |
| Three-phase AC-3                                       | 220/230V<br>380/440V<br>500/690V                                                      | kW<br>kW<br>kW   | 3.5<br>4.5<br>5.5   |
| Single-phase AC-3                                      | 110V<br>220/230V<br>380/440V                                                          | kW<br>kW<br>kW   | 0.55<br>1.5<br>2.2  |
| Three-phase AC23A                                      | 220/230V<br>380/440V<br>500/690V                                                      | kW<br>kW<br>kW   | 3.7<br>6.5<br>7.5   |
| Single-phase AC23A                                     | 110V<br>220/230V                                                                      | kW<br>kW         | 0.75<br>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               |

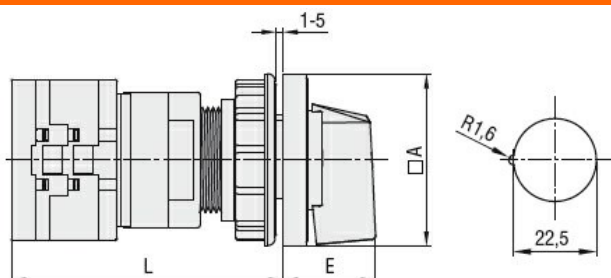
Storage temperature

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

Resistance & Protection

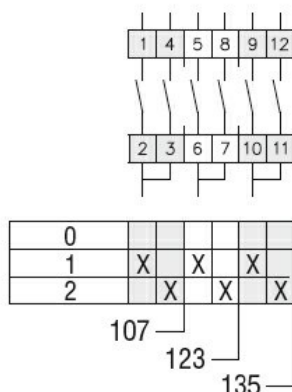
|                     |      |
|---------------------|------|
| Frontal IP degree   | IP65 |
| Terminals IP degree | IP20 |

Dimensions



| Series | Dimensions |      | L    |      |       |       |
|--------|------------|------|------|------|-------|-------|
|        | □A         | E    | 1    | 2    | 3...8 |       |
| GX16   | 48         | 26.5 | 64.9 | 73.4 | 81.9  | 124.4 |
| GX20   | 48         | 26.5 | 64.9 | 73.4 | 81.9  | 124.4 |

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