

|   |          |    |      |                                     |
|---|----------|----|------|-------------------------------------|
| Product designation                                       |          |    |      | Rotary cam switches                 |
| Product type designation                                  |          |    |      | GX40                                |
| <b>General characteristics</b>                            |          |    |      |                                     |
| Switching diagram   |          |    |      | 51 - Changeover switch 1 pole       |
| N° of elements  |          |    |      | 1                                   |
| Mounting form   |          |    |      | O - Rear mounting with black handle |
| <b>Contact characteristics</b>                            |          |    |      |                                     |
| 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  | 40   |                                     |
|   | UL/CSA   | A  | 40   |                                     |
| Rated operational voltage                                 |          | V  | 440  |                                     |
| Rated operational impulse voltage                         |          | kV | 4    |                                     |
| Maximum fuse size for short-circuit protection $I_n$ (gG) | 10kA     | A  | 40   |                                     |
|   | 15kA     | A  | 35   |                                     |
|   | 25kA     | A  | 35   |                                     |
| Rated short time current $I_{cw}$                         | 1s       | A  | 1000 |                                     |
| Conductivity  |          |    |      | 10/5 mA/V                           |
| Operational current $I_e$ IEC/EN                          |          |    |      |                                     |
| AC1/AC21A   |          | A  | 40   |                                     |
| AC15  | 110V     | A  | 25   |                                     |
|   | 220/230V | A  | 22   |                                     |
|   | 380/400V | A  | 12   |                                     |
|   | 660/690V | A  | 2    |                                     |
| Rated operational power in AC                             |          |    |      |                                     |
| Three-phase AC-3  | 220/230V | kW | 7.5  |                                     |
|   | 380/440V | kW | 15   |                                     |
|   | 500/690V | kW | 15   |                                     |
| Single-phase AC-3   | 110V     | kW | 2.2  |                                     |
|   | 220/230V | kW | 4.4  |                                     |
|   | 380/440V | kW | 7    |                                     |
| Three-phase AC23A   | 220/230V | kW | 9    |                                     |
|   | 380/440V | kW | 18.5 |                                     |
|   | 500/690V | kW | 15   |                                     |
| Single-phase AC23A  | 110V     | kW | 3    |                                     |
|   | 220/230V | kW | 5.2  |                                     |
|   | 380/440V | kW | 7.5  |                                     |
| Rated operational current in DC                           |          |    |      |                                     |

|  |      |                 |                   |    |
|--|------|-----------------|-------------------|----|
| DC21A                                  |      |                 |                   |    |
|  | 48V  | A               | 40                |    |
|  | 60V  | A               | 40                |    |
|  | 110V | A               | 6                 |    |
|  | 220V | A               | 0.8               |    |
|  | 440V | A               | 0.25              |    |
| DC23A (poles in series)                |      |                 |                   |    |
|  | 24V  | A               | 40 (1)            |    |
|  | 48V  | A               | 40 (1)            |    |
|  | 60V  | A               | 40 (3)            |    |
|  | 110V | A               | 40 (3)            |    |
|  | 220V | A               | 12 (4)            |    |
| DC13                                   |      |                 |                   |    |
|  | 24V  | A               | 40                |    |
|  | 48V  | A               | 32                |    |
|  | 60V  | A               | 16                |    |
|  | 110V | A               | 3                 |    |
|  | 220V | A               | 0.5               |    |
|  | 440V | A               | 0.15              |    |
| Power dissipation                      |      | W               | 1.6               |    |
| <b>Mechanical features</b>             |      |                 |                   |    |
| Terminals screw                        |      |                 |                   | M4 |
| Tightening torque for terminals max    |      | Nm              | 1.2               |    |
| Conductor size                         |      |                 |                   |    |
| AWG - Rigid cable                      |      |                 |                   |    |
|  | min  | AWG             | 16                |    |
|  | Max  | AWG             | 8                 |    |
| AWG - Flexible cable                   |      |                 |                   |    |
|  | min  | AWG             | 16                |    |
|  | Max  | AWG             | 10                |    |
| Conductor size (IEC) - Flexible cable  |      |                 |                   |    |
|  | min  | mm <sup>2</sup> | 1.5               |    |
|  | Max  | mm <sup>2</sup> | 6                 |    |
| Conductor size (IEC) - Rigid cable     |      |                 |                   |    |
|  | min  | mm <sup>2</sup> | 1.5               |    |
|  | Max  | mm <sup>2</sup> | 10                |    |
| Mechanical life                        |      | cycles          | 1X10 <sup>6</sup> |    |
| <b>UL technical data</b>               |      |                 |                   |    |
| Motor power for direct-on-line control |      |                 |                   |    |
| for three-phase motor                  |      |                 |                   |    |
|  | 120V | HP              | 5                 |    |
|  | 240V | HP              | 10                |    |
|  | 480V | HP              | 15                |    |
|  | 600V | HP              | 15                |    |
| for single-phase motor                 |      |                 |                   |    |
|  | 120V | HP              | 2                 |    |
|  | 240V | HP              | 5                 |    |
| <b>Ambient conditions</b>              |      |                 |                   |    |
| Temperature                            |      |                 |                   |    |
| Operating temperature                  |      |                 |                   |    |
|  | min  | °C              | -25               |    |
|  | max  | °C              | +55               |    |
| Storage temperature                    |      |                 |                   |    |
|  | min  | °C              | -40               |    |

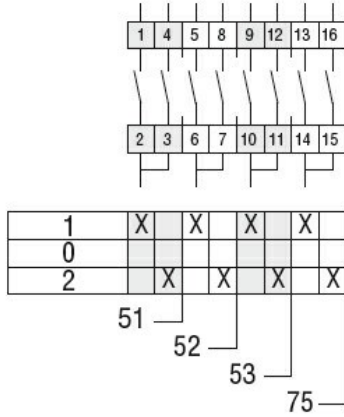
max °C +70

**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