

|   |                    |    |           |  |
|---|--------------------|----|-----------|--|
| Product designation                                       |                    |    |           | Rotary cam switches  |
| Product type designation                                  |                    |    |           | GX16   |
| <b>General characteristics</b>                            |                    |    |           |  |
| Switching diagram   |                    |    |           | 84 - Multi-step 1-2-3-4-5 1 pole   |
| N° of elements  |                    |    |           | 3  |
| Mounting form   |                    |    |           | O48 - Modular service cover for 35mm din rail 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  | 16        |  |
|   | UL/CSA             | A  | 12        |  |
| Rated operational voltage                                 |                    | V  | 440       |  |
| Rated operational impulse voltage                         |                    | kV | 4         |  |
| Maximum fuse size for short-circuit protection $I_n$ (gG) | 10kA               | A  | 16        |  |
|   | 15kA               | A  | 16        |  |
|   | 25kA               | A  | 16        |  |
| Rated short time current $I_{cw}$                         |                    |    |           |  |
|   | 1s                 | A  | 250       |  |
| Conductivity  |                    |    | 10/5 mA/V |  |
| Operational current $I_e$ 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               |
| <b>Mechanical features</b>             |          |                 |                   |
| 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> |
| <b>UL technical data</b>               |          |                 |                   |
| 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                 |
| <b>Ambient conditions</b>              |          |                 |                   |
| Temperature                            |          |                 |                   |
| Operating temperature                  | min      | °C              | -25               |
|  | max      | °C              | +55               |

Storage temperature

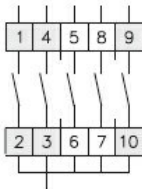
|     |    |     |
|-----|----|-----|
| min | °C | -40 |
| max | °C | +70 |

Resistance & Protection

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

Dimensions

Wiring diagrams



|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 1 | X |   |   |   |   |
| 2 |   |   | X |   |   |
| 3 |   |   |   |   | X |
| 4 |   | X |   |   |   |
| 5 |   |   |   | X |   |

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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