

|                                                           |                   |      |     |                                                                                                  |
|-----------------------------------------------------------|-------------------|------|-----|--------------------------------------------------------------------------------------------------|
| Product designation                                       |                   |      |     | Rotary cam switches                                                                              |
| Product type designation                                  |                   |      |     | GX40                                                                                             |
| <b>General characteristics</b>                            |                   |      |     |                                                                                                  |
| Switching diagram                                         |                   |      |     | 11 - 3-phase motor reversing switch                                                              |
| N° of elements                                            |                   |      |     | 3                                                                                                |
| Mounting form                                             |                   |      |     | O88 - Rear mounting with red/yellow handle padlockable in 0, door coupling and protection covers |
| <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   | kA  | 1000                                                                                             |
|                                                           |                   |      |     | 10/5 mA/V                                                                                        |
| Conductivity                                              |                   |      |     | 10/5 mA/V                                                                                        |
| Operational current $I_e$ IEC/EN                          | AC1/AC21A         |      |     | A                                                                                                |
|                                                           | AC15              |      |     |                                                                                                  |
| 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               |
| <hr/>                                  |          |                 |                   |
| Rated operational current in DC        |          |                 |                   |
| DC21A                                  | 48V      | A               | 40                |
|                                        | 60V      | A               | 40                |
|                                        | 110V     | A               | 6                 |
|                                        | 220V     | A               | 0.8               |
|                                        | 440V     | A               | 0.25              |
| <hr/>                                  |          |                 |                   |
| DC23A (poles in series)                | 24V      | A               | 40 (1)            |
|                                        | 48V      | A               | 40 (1)            |
|                                        | 60V      | A               | 40 (3)            |
|                                        | 110V     | A               | 40 (3)            |
|                                        | 220V     | A               | 12 (4)            |
| <hr/>                                  |          |                 |                   |
| DC13                                   | 24V      | A               | 40                |
|                                        | 48V      | A               | 32                |
|                                        | 60V      | A               | 16                |
|                                        | 110V     | A               | 3                 |
|                                        | 220V     | A               | 0.5               |
|                                        | 440V     | A               | 0.15              |
| <hr/>                                  |          |                 |                   |
| Power dissipation                      |          | W               | 1.6               |
| <b>Mechanical features</b>             |          |                 |                   |
| Terminals screw                        |          |                 | M4                |
| Tightening torque for terminals max    |          | Nm              | 1.2               |
| <hr/>                                  |          |                 |                   |
| Conductor size                         |          |                 |                   |
| AWG - Rigid cable                      | min      | AWG             | 16                |
|                                        | Max      | AWG             | 8                 |
| <hr/>                                  |          |                 |                   |
| AWG - Flexible cable                   | min      | AWG             | 16                |
|                                        | Max      | AWG             | 10                |
| <hr/>                                  |          |                 |                   |
| Conductor size (IEC) - Flexible cable  | min      | mm <sup>2</sup> | 1.5               |
|                                        | Max      | mm <sup>2</sup> | 6                 |
| <hr/>                                  |          |                 |                   |
| Conductor size (IEC) - Rigid cable     | min      | mm <sup>2</sup> | 1.5               |
|                                        | Max      | mm <sup>2</sup> | 10                |
| <hr/>                                  |          |                 |                   |
| 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                |
| <hr/>                                  |          |                 |                   |
| for single-phase motor                 | 120V     | HP              | 2                 |
|                                        | 240V     | HP              | 5                 |

**Ambient conditions**

Temperature

Operating temperature

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

Storage temperature

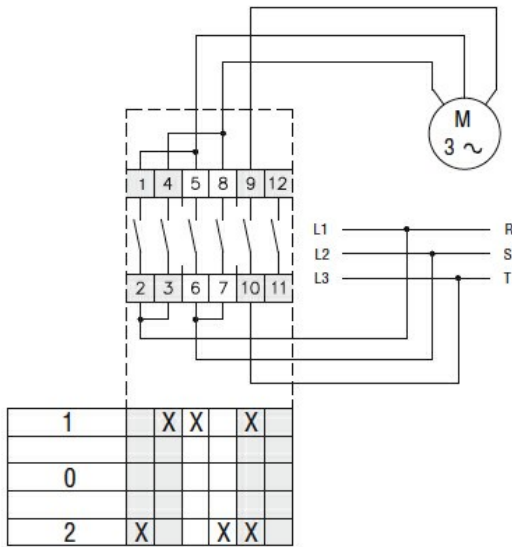
|     |    |     |
|-----|----|-----|
| min | °C | -40 |
| max | °C | +70 |

**Resistance & Protection**

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

**Dimensions**

**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