

|                                                        |                    |    |                                                                                    |
|--------------------------------------------------------|--------------------|----|------------------------------------------------------------------------------------|
| Product designation                                    |                    |    | Rotary cam switches                                                                |
| Product type designation                               |                    |    | GX16                                                                               |
| General characteristics                                |                    |    |                                                                                    |
| Switching diagram                                      |                    |    | 11 - 3-phase motor reversing switch                                                |
| N° of elements                                         |                    |    | 3                                                                                  |
| Mounting form                                          |                    |    | U25 - Front mounting with red/yellow handle padlockable in 0 and protection covers |
| 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                                                                               |

ROTARY CAM SWITCH GX SERIES, 3-PHASE MOTOR REVERSING SWITCH 16A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 48X48MM

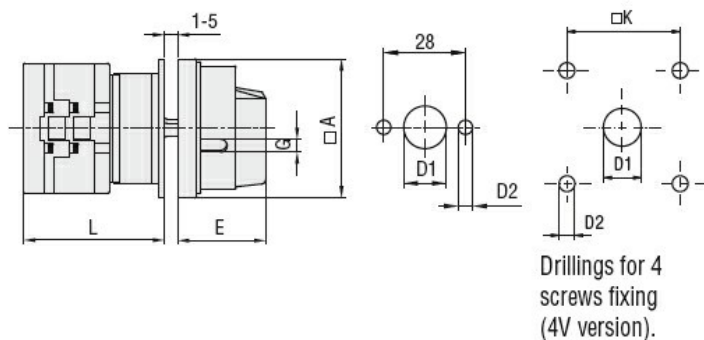
|                                        |  |          |                 |                   |
|----------------------------------------|--|----------|-----------------|-------------------|
|                                        |  | 220/230V | kW              | 1.8               |
|                                        |  | 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               |

|                     |     |    |     |
|---------------------|-----|----|-----|
| Storage temperature | max | °C | +55 |
|                     | min | °C | -40 |
|                     | max | °C | +70 |

#### Resistance & Protection

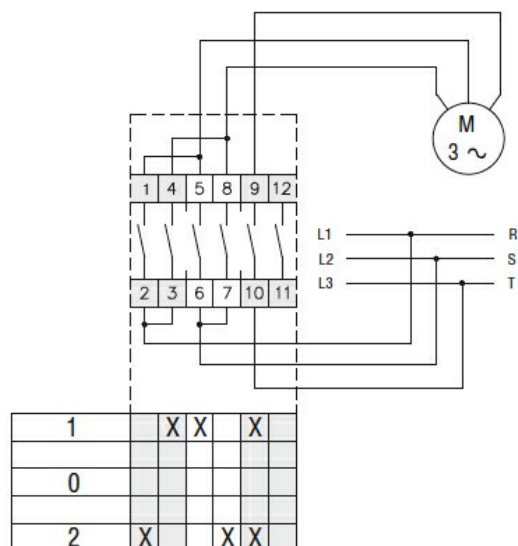
|                     |      |
|---------------------|------|
| Frontal IP degree   | IP65 |
| Terminals IP degree | IP20 |

#### Dimensions



| Series | Dimensions |    |    |      |   |    | L  |      |        |       |
|--------|------------|----|----|------|---|----|----|------|--------|-------|
|        | □A         | D1 | D2 | E    | G | □K | 1  | 2    | 3...12 |       |
| GX16   | 48         | 12 | 5  | 34.2 | 5 | 36 | 43 | 51.5 | 60     | 136.5 |
| GX20   | 48         | 12 | 5  | 34.2 | 5 | 36 | 43 | 51.5 | 60     | 136.5 |
| GX32   | 65         | 14 | 5  | 38   | 6 | 48 | 51 | 63   | 75     | 183   |
| GX40   | 65         | 14 | 5  | 38   | 6 | 48 | 51 | 63   | 75     | 183   |

#### 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