

|                                                        |  |  |                                                        |    |      |
|--------------------------------------------------------|--|--|--------------------------------------------------------|----|------|
| Product designation                                    |  |  | Rotary cam switches                                    |    |      |
| Product type designation                               |  |  | GX16                                                   |    |      |
| General characteristics                                |  |  |                                                        |    |      |
| Switching diagram                                      |  |  | 26 - 3-phase motor reversing switch with spring return |    |      |
| N° of elements                                         |  |  | 3                                                      |    |      |
| Mounting form                                          |  |  | P - Plastic enclosure with black handle                |    |      |
| 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 |
|                                                        |  |  | 220/230V                                               | kW | 1.8  |

ENCLOSED ROTARY CAM SWITCH GX SERIES, 3-PHASE MOTOR REVERSING SWITCH  
WITH SPRING RETURN 16A IN PLASTIC ENCLOSURE 90X90MM WITH BLACK HANDLE

|                                        |     |                 |        |                   |
|----------------------------------------|-----|-----------------|--------|-------------------|
|                                        |     | 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

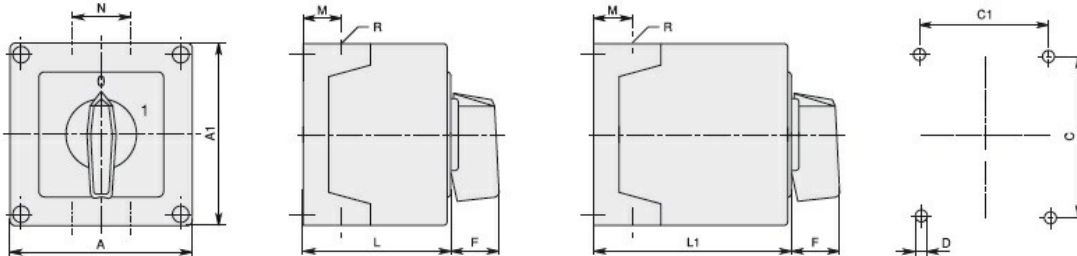
min °C -40  
max °C +70

### Resistance & Protection

Frontal IP degree IP65

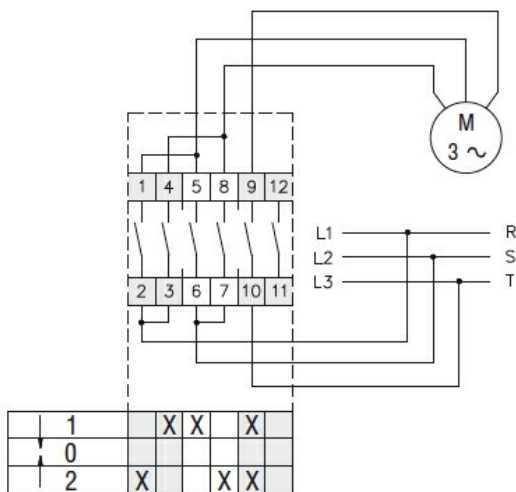
Terminals IP degree IP20

### Dimensions



|      |         |     |     |     |     |      |    |     |    |    |      |      |       |        |      |
|------|---------|-----|-----|-----|-----|------|----|-----|----|----|------|------|-------|--------|------|
| GX16 | 90x90   | 1-2 | 3-5 | 90  | 90  | 79   | 79 | 4.5 | 25 | 19 | 30   | 71.3 | 98.3  | 4xPG16 | IP65 |
| GX20 |         | 1-2 | 3-5 |     |     |      |    |     |    |    |      |      |       |        |      |
| GX16 | 110x110 | 1-3 | 4-7 | 110 | 110 | 98.4 | 83 | 4.5 | 32 | 21 | 39.5 | 85.5 | 119.5 | 4xPG21 | IP65 |
| GX20 |         | 1-3 | 4-7 |     |     |      |    |     |    |    |      |      |       |        |      |
| GX32 |         | 1-2 | 3-4 |     |     |      |    |     |    |    |      |      |       |        |      |
| GX40 |         | 1-2 | 3-4 |     |     |      |    |     |    |    |      |      |       |        |      |

### Wiring diagrams



### Certifications and compliance

Compliance

IEC/EN/BS 60947-1  
IEC/EN/BS 60947-3  
IEC/EN/BS 60947-5-1  
IEC/EN/BS 61058-1

Certificates

EAC

### ETIM classification

ETIM 8.0

EC001029 -  
Selector switch,  
complete