

### General characteristics

|                   |   |
|-------------------|---|
| Switching diagram | 107 - Multi-step<br>0-1-2 1 pole              |
| N° of elements    | 1   |
| Mounting form     | P - Plastic<br>enclosure with<br>black handle |

### Contact characteristics

|   |                    |    |           |
|---|--------------------|----|-----------|
| 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  | 20        |
|   | UL/CSA             | A  | 15        |
| Rated operational voltage                                 |                    | V  | 440       |
| Rated operational impulse voltage                         |                    | kV | 4         |
| Maximum fuse size for short-circuit protection $I_n$ (gG) | 10kA               | A  | 20        |
|   | 15kA               | A  | 20        |
|   | 25kA               | A  | 20        |
| Rated short time current $I_{cw}$                         | 1s                 | kA | 250       |
|   |                    |    | 10/5 mA/V |
| Conductivity  |                    |    | 10/5 mA/V |
| Operational current $I_e$ IEC/EN                          | AC1/AC21A          | A  | 20        |
|   | AC15               |    |           |
|   | 110V               | A  | 10        |
|   | 220/230V           | A  | 8         |
|   | 380/400V           | A  | 6         |
|   | 660/690V           | A  | 1.5       |
| Rated operational power in AC                             | Three-phase AC-3   |    |           |
|   |                    |    |           |
|   | 220/230V           | kW | 3.7       |
|   | 380/440V           | kW | 5.5       |
|   | 500/690V           | kW | 5.5       |
|   | Single-phase AC-3  |    |           |
|   | 110V               | kW | 0.75      |
|   | 220/230V           | kW | 1.8       |
|   | 380/440V           | kW | 3         |
|   | Three-phase AC23A  |    |           |
|   | 220/230V           | kW | 4         |
|   | 380/440V           | kW | 7.5       |
|   | 500/690V           | kW | 7.5       |
|   | Single-phase AC23A |    |           |
|   | 110V               | kW | 0.75      |
|   | 220/230V           | kW | 2.2       |
|   | 380/440V           | kW | 3.5       |
| Rated operational current in DC                           | DC21A              |    |           |
|   |                    |    |           |
|   | 48V                | A  | 20        |
|   | 60V                | A  | 20        |

|  |      |                 |                   |
|--|------|-----------------|-------------------|
|  | 110V | A               | 4                 |
|  | 220V | A               | 0.6               |
|  | 440V | A               | 0.25              |
| <hr/>                                  |      |                 |                   |
| DC23A (poles in series)                | 24V  | A               | 20 (1)            |
|  | 48V  | A               | 20 (2)            |
|  | 60V  | A               | 20 (3)            |
|  | 110V | A               | 10 (3)            |
|  | 220V | A               | 8 (4)             |
| <hr/>                                  |      |                 |                   |
| DC13                                   | 24V  | A               | 20                |
|  | 48V  | A               | 16                |
|  | 60V  | A               | 12                |
|  | 110V | A               | 1                 |
|  | 220V | A               | 0.4               |
|  | 440V | A               | 0.15              |
| <hr/>                                  |      |                 |                   |
| Power dissipation                      |      | W               | 0.6               |
| <b>Mechanical features</b>             |      |                 |                   |
| Terminals screw                        |      |                 | M3                |
| Tightening torque for terminals max    |      | Nm              | 0.8               |
| <hr/>                                  |      |                 |                   |
| Conductor size                         |      |                 |                   |
| AWG - Rigid cable                      | min  | AWG             | 20                |
|  | Max  | AWG             | 12                |
| <hr/>                                  |      |                 |                   |
| AWG - Flexible cable                   | min  | AWG             | 20                |
|  | Max  | AWG             | 12                |
| <hr/>                                  |      |                 |                   |
| Conductor size (IEC) - Flexible cable  | min  | mm <sup>2</sup> | 0.5               |
|  | Max  | mm <sup>2</sup> | 2.5               |
| <hr/>                                  |      |                 |                   |
| Conductor size (IEC) - Rigid cable     | min  | mm <sup>2</sup> | 0.5               |
|  | Max  | mm <sup>2</sup> | 2.5               |
| <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              | 1.5               |
|  | 240V | HP              | 3                 |
|  | 480V | HP              | 5                 |
|  | 600V | HP              | 5                 |
| <hr/>                                  |      |                 |                   |
| for single-phase motor                 | 120V | HP              | 0.75              |
|  | 240V | HP              | 1.5               |
| <hr/>                                  |      |                 |                   |
| <b>Ambient conditions</b>              |      |                 |                   |
| Temperature                            |      |                 |                   |
| Operating temperature                  | min  | °C              | -25               |
|  | max  | °C              | +55               |
| <hr/>                                  |      |                 |                   |
| Storage temperature                    | min  | °C              | -40               |
|  | max  | °C              | +70               |
| <hr/>                                  |      |                 |                   |
| <b>Resistance &amp; Protection</b>     |      |                 |                   |
| Frontal IP degree                      |      |                 | IP65              |

Terminals IP degree

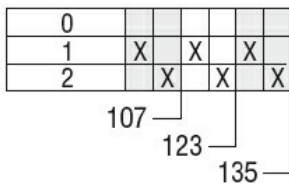
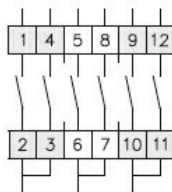
IP20

**Dimensions**



| Series | Enclosure size | Number of elements |     | Dimensions |     |      |    |     |    |    |      |      |       | Cable entry | Protection degree |
|--------|----------------|--------------------|-----|------------|-----|------|----|-----|----|----|------|------|-------|-------------|-------------------|
|        |                | L                  | L1  | A          | A1  | C    | C1 | D   | F  | M  | N    | L    | L1    |             |                   |
| GX1600 | 90x90          | 1-2                | 3-5 | 90         | 90  | 79   | 79 | 4.5 | 25 | 19 | 30   | 71.3 | 98.3  | 4xPG16      | IP65              |
| GX2000 |                | 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 |            |     |      |    |     |    |    |      |      |       |             |                   |
| GX3200 |                | 1-2                | 3-4 |            |     |      |    |     |    |    |      |      |       |             |                   |
| GX4000 |                | 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