



### General characteristics

|                      |     |         |
|----------------------|-----|---------|
| Number of poles      | Nr. | 3       |
| Overvoltage category |     | III     |
| Pollution degree     |     | 3       |
| Frontal IP degree    |     | IP20    |
| Type of release      |     | Thermal |

|                         |          |   |        |
|-------------------------|----------|---|--------|
| Protection fuse         | aM (IEC) | A | 0.5    |
|                         | RK5 (UL) | A | 1      |
| Phase failure detection |          |   | yes    |
| Reset mode              |          |   | Manual |

### Power circuit characteristics

|                                           |     |        |
|-------------------------------------------|-----|--------|
| Rated insulation voltage $U_i$ IEC/EN     | V   | 690    |
| Rated impulse withstand voltage $U_{imp}$ | kV  | 8      |
| Rated operational voltage                 | V   | 690    |
| Operational frequency                     |     |        |
|                                           | min | Hz 0   |
|                                           | max | Hz 400 |

|                           |                         |   |      |
|---------------------------|-------------------------|---|------|
| Operational current $I_e$ | Operational current min | A | 0.14 |
|                           | Operational current max | A | 0.23 |

|                |  |     |
|----------------|--|-----|
| Tripping class |  | 10A |
| Test Button    |  | Yes |
| Trip indicator |  | yes |

|           |       |    |                  |
|-----------|-------|----|------------------|
| Terminals | type  |    | screw and washer |
|           | screw |    | M4               |
|           | width | mm | 9.8              |
|           | tool  |    | Phillips 2       |

|                                 |     |      |     |
|---------------------------------|-----|------|-----|
| Tightening torque for terminals | min | Nm   | 2.3 |
|                                 | max | Nm   | 2.3 |
|                                 | min | lbin | 1.7 |
|                                 | max | lbin | 1.7 |

|                   |               |    |
|-------------------|---------------|----|
| Conductor section | AWG/kcmil max | 10 |
|-------------------|---------------|----|

### Auxiliary circuit characteristics

|                                                |    |     |     |
|------------------------------------------------|----|-----|-----|
| Auxiliary contacts                             | NO | Nr. | 1   |
|                                                | NC | Nr. | 1   |
| Auxiliary Rated insulation voltage Ui IEC/EN   | V  |     | 690 |
| Auxiliary Rated impulse withstand voltage Uimp | kV |     | 6   |
| Auxiliary Rated operational voltage            | V  |     | 690 |
| Operating current AC15                         |    |     |     |

|                                                                            |                                        |                 |                                            |
|----------------------------------------------------------------------------|----------------------------------------|-----------------|--------------------------------------------|
|                                                                            | 24V                                    | A               | 3                                          |
|                                                                            | 120V                                   | A               | 3                                          |
|                                                                            | 240V                                   | A               | 1.5                                        |
|                                                                            | 380V                                   | A               | 0.95                                       |
|                                                                            | 480V                                   | A               | 0.75                                       |
|                                                                            | 500V                                   | A               | 0.72                                       |
|                                                                            | 600V                                   | A               | 0.6                                        |
| Operating current DC13                                                     |                                        |                 |                                            |
|                                                                            | 125V                                   | A               | 0.11                                       |
|                                                                            | 600V                                   | A               | 0.22                                       |
| IEC Conventional free air thermal current $I_{th} \leq 40^{\circ}\text{C}$ |                                        | A               | 10                                         |
| Terminals                                                                  |                                        |                 |                                            |
|                                                                            | Auxiliary circuit type                 |                 | screw and washer                           |
|                                                                            | Auxiliary circuit screw                |                 | M3,5                                       |
|                                                                            | Auxiliary circuit width                | mm              | 8                                          |
|                                                                            | Auxiliary circuit tool                 |                 | Phillips 1                                 |
| Conductor section                                                          |                                        |                 |                                            |
|                                                                            | Auxiliary circuit Flexible w/o lug max | mm <sup>2</sup> | 2.5                                        |
|                                                                            | Auxiliary circuit Flexible c/w lug max | mm <sup>2</sup> | 2.5                                        |
| Tightening torque for terminals                                            |                                        |                 |                                            |
|                                                                            | Auxiliary circuit min                  | Nm              | 1                                          |
|                                                                            | Auxiliary circuit max                  | Nm              | 1                                          |
|                                                                            | Auxiliary circuit min                  | lbin            | 0.74                                       |
|                                                                            | Auxiliary circuit max                  | lbin            | 0.74                                       |
| UL/CSA and IEC/EN 60947-5-1 designation                                    |                                        |                 | B600-P600                                  |
| Ambient conditions                                                         |                                        |                 |                                            |
| Operating temperature                                                      |                                        |                 |                                            |
|                                                                            | min                                    | °C              | -20                                        |
|                                                                            | max                                    | °C              | 55                                         |
| Storage temperature                                                        |                                        |                 |                                            |
|                                                                            | min                                    | °C              | -55                                        |
|                                                                            | max                                    | °C              | 70                                         |
| Compensation temperature                                                   |                                        |                 |                                            |
|                                                                            | min                                    | °C              | -15                                        |
|                                                                            | max                                    | °C              | 55                                         |
| Max altitude                                                               |                                        | m               | 3000                                       |
| Mechanical features                                                        |                                        |                 |                                            |
| Operating position                                                         |                                        |                 |                                            |
|                                                                            | normal allowable                       |                 | Vertical plan $\pm 30^{\circ}$             |
| Fixing                                                                     |                                        |                 | Direct mounting on BG06... BG09... BG12... |
| Weight                                                                     |                                        | g               | 116                                        |
| UL technical data                                                          |                                        |                 |                                            |
| Full-load current (FLA) for three-phase AC motor                           |                                        |                 |                                            |
|                                                                            | at 480V                                | A               | 0.23                                       |
|                                                                            | at 600V                                | A               | 0.23                                       |
| Dimensions                                                                 |                                        |                 |                                            |



## Wiring diagrams



## Certifications and compliance

### Compliance

CSA C22.2 n° 14

IEC/EN 60947-1

IEC/EN 60947-4-1

UL508

### Certifications

CCC

CSA

cULus

EAC

## ETIM classification

ETIM 8.0

EC000106 -  
Thermal overload  
relay