



#### General characteristics

|                         |          |           |
|-------------------------|----------|-----------|
| Number of poles         | Nr.      | 3         |
| Overvoltage category    |          | III       |
| Pollution degree        |          | 3         |
| Frontal IP degree       |          | IP20      |
| Type of release         |          | Thermal   |
| Protection fuse         |          |           |
|                         | gG (IEC) | A 20      |
|                         | aM (IEC) | A 8       |
|                         | RK5 (UL) | A 25      |
| Phase failure detection |          | yes       |
| Reset mode              |          | Automatic |

#### 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 4.5  |
|                                           | Operational current max | A 7.5  |
| 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 | 1.5  |
| 120V | A | 1.5  |
| 240V | A | 0.75 |

## 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

C300-R300

## 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<br>±30°                            |
|                  | Direct mounting<br>on BG06...<br>BG09... BG12... |

### Fixing

### Weight

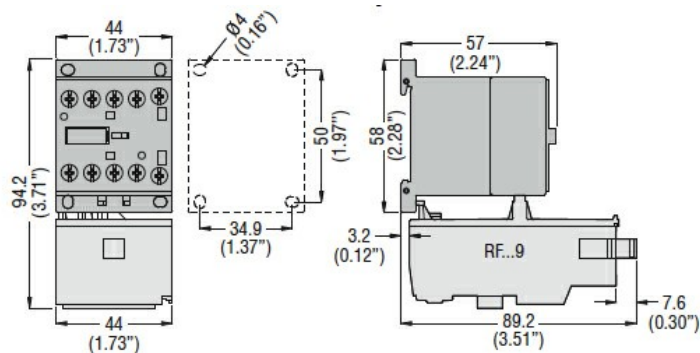
|   |     |
|---|-----|
| g | 116 |
|---|-----|

## UL technical data

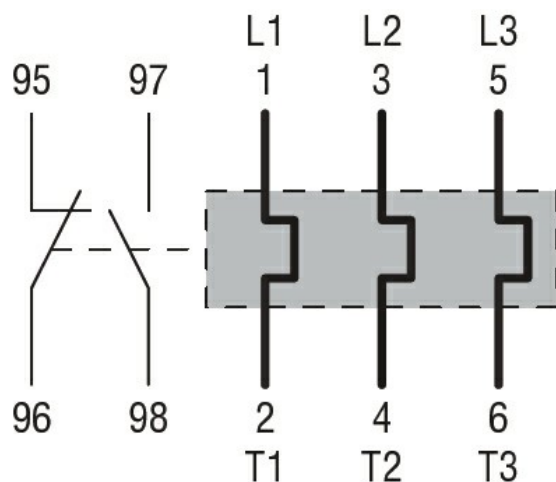
### Full-load current (FLA) for three-phase AC motor

|         |   |     |
|---------|---|-----|
| at 480V | A | 7.5 |
| at 600V | A | 7.5 |

## 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