

## T16 thermal overload relays

0.10 to 16.0 A



T16



T16 + DB16



KPR3-101L



DB16

### Description

The T16 / TF42 / TF65 / TF96 / TF140DU / TA200DU thermal overload relays are economic electromechanical protection devices for the main circuit. They offer reliable protection for motors in the event of overload or phase failure. The devices have trip class 10.

The thermal overload relays are three pole relays with bimetal tripping elements. The motor current flows through the bimetal tripping elements and heats them directly and indirectly. In case of an overload (over current), the bimetal elements bend as a result of the heating. This leads to a release of the relay and a change of the contacts switching position (95-96 / 97-98).

- Manual or automatic reset selectable
- Phase loss sensitive acc. to IEC/EN 60947-4-1
- TEST and STOP function – Trip indication on the front
- Temperature compensation
- Suitable for three- and single-phase applications

### T16 overload relay

#### Suitable for Contactors

B6, BC6, VB6, VBC6

B7, BC7, VB7, VBC7

AS09 ...AS16

ASL09 ...ASL16

### Ordering details

| Setting range<br>A | Short-circuit<br>protective device | Trip class | Factory code    | Order code |
|--------------------|------------------------------------|------------|-----------------|------------|
| 0.10 ... 0.13      | 0.5 A, fuse type T                 | 10         | 1SAZ711201R1005 | T16-0.13   |
| 0.13 ... 0.17      | 1.0 A, fuse type T                 | 10         | 1SAZ711201R1008 | T16-0.17   |
| 0.17 ... 0.23      | 1.0 A, fuse type T                 | 10         | 1SAZ711201R1009 | T16-0.23   |
| 0.23 ... 0.31      | 1.0 A, fuse type T                 | 10         | 1SAZ711201R1013 | T16-0.31   |
| 0.31 ... 0.41      | 2.0 A, fuse type gG                | 10         | 1SAZ711201R1014 | T16-0.41   |
| 0.41 ... 0.55      | 2.0 A, fuse type gG                | 10         | 1SAZ711201R1017 | T16-0.55   |
| 0.55 ... 0.74      | 4.0 A, fuse type gG                | 10         | 1SAZ711201R1021 | T16-0.74   |
| 0.74 ... 1.00      | 6.0 A, fuse type gG                | 10         | 1SAZ711201R1023 | T16-1.0    |
| 1.00 ... 1.30      | 6.0 A, fuse type gG                | 10         | 1SAZ711201R1025 | T16-1.3    |
| 1.30 ... 1.70      | 10.0 A, fuse type gG               | 10         | 1SAZ711201R1028 | T16-1.7    |
| 1.70 ... 2.30      | 10.0 A, fuse type gG               | 10         | 1SAZ711201R1031 | T16-2.3    |
| 2.30 ... 3.10      | 10.0 A, fuse type gG               | 10         | 1SAZ711201R1033 | T16-3.1    |
| 3.10 ... 4.20      | 20.0 A, fuse type gG               | 10         | 1SAZ711201R1035 | T16-4.2    |
| 4.20 ... 5.70      | 20.0 A, fuse type gG               | 10         | 1SAZ711201R1038 | T16-5.7    |
| 5.70 ... 7.60      | 35.0 A, fuse type gG               | 10         | 1SAZ711201R1040 | T16-7.6    |
| 7.60 ... 10.0      | 35.0 A, fuse type gG               | 10         | 1SAZ711201R1043 | T16-10     |
| 10.0 ... 13.0      | 40.0 A, fuse type gG               | 10         | 1SAZ711201R1045 | T16-13     |
| 13.0 ... 16.0      | 40.0 A, fuse type gG               | 10         | 1SAZ711201R1047 | T16-16     |

### Ordering details accessories

| Suitable for | Description         | Factory code    | Order code |
|--------------|---------------------|-----------------|------------|
| T16          | Single mounting kit | 1SAZ701901R0001 | DB16       |
| T16          | Reset push button   | 1SFA616162R1014 | KPR3-101L  |

#### Note:

For more detailed product information, please refer to the Technical Catalogue: 1SBC100192C0206