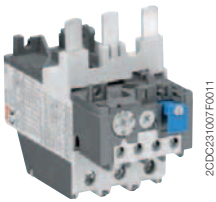


# TA75DU thermal overload relays

## 18 ... 80 A



TA75DU-63

### Description

The TA75DU 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 10A.

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 bent 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
- Two electrically isolated auxiliary contacts – 1 N.O. + 1 N.C.
- TEST and STOP function – Trip indication on the front
- Temperature compensation
- Suitable for three- and single-phase applications

### Ordering details

| Setting range | Short-circuit protective device | Trip class | Type      | Order code      | Weight (1 pce) kg |
|---------------|---------------------------------|------------|-----------|-----------------|-------------------|
| A             |                                 |            |           |                 |                   |
| 18 ... 25     | 63 A, Fuse type gG / 50 A aM    | 10A        | TA75DU-25 | 1SAZ321201R1001 | 0.335             |
| 22 ... 32     | 80 A, Fuse type gG / 63 A aM    | 10A        | TA75DU-32 | 1SAZ321201R1002 | 0.335             |
| 29 ... 42     | 100 A, Fuse type gG / 80 A aM   | 10A        | TA75DU-42 | 1SAZ321201R1003 | 0.335             |
| 36 ... 52     | 125 A, Fuse type gG / 100 A aM  | 10A        | TA75DU-52 | 1SAZ321201R1004 | 0.335             |
| 45 ... 63     | 160 A, Fuse type gG / 125 A aM  | 10A        | TA75DU-63 | 1SAZ321201R1005 | 0.335             |
| 60 ... 80     | 200 A, Fuse type gG / 160 A aM  | 10A        | TA75DU-80 | 1SAZ321201R1006 | 0.370             |

### Ordering details accessories

| For thermal overload relays | Description         | Type | Order code      | Weight (1 pce) kg |
|-----------------------------|---------------------|------|-----------------|-------------------|
| TA75DU                      | Single mounting kit | DB80 | 1SAZ301110R0001 | 0.155             |

### Main dimensions mm, inches

