

## TA25...200DU Thermal Overload Relays

Description: TA42...TA200DU thermal overload relays are economic electromechanical protection devices for the main circuits, 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:

- Manual or automatic reset selectable;
- Phase loss sensitive according to IEC 60947-4-1;
- Two electrically isolated auxiliary contacts, 1NO+1NC;
- Test and Stop function, trip indication on the front;
- Temperature compensation;
- Suitable for three and single-phase applications;

### Technical Data

Type	Setting Range	Short-circuit Protective Device	Order Code	Weight
TA25DU-4.0M	2.8...4A	10A, Fuse type gG/6A aM	1SAZ211201R2033	0.150
TA25DU-5.0M	3.5...5A	16A, Fuse type gG/10A aM	1SAZ211201R2035	0.150
TA25DU-6.5M	4.5...6.5A	20A, Fuse type gG/16A aM	1SAZ211201R2038	0.150
TA25DU-8.5M	6...8.5A	20A, Fuse type gG/20A aM	1SAZ211201R2040	0.150
TA25DU-11M	7.5...11A	35A, Fuse type gG/25A aM	1SAZ211201R2043	0.150
TA25DU-14M	10...14A	35A, Fuse type gG/25A aM	1SAZ211201R2045	0.150
TA25DU-19M	13...19A	50A, Fuse type gG/35A aM	1SAZ211201R2047	0.170
TA25DU-25M	18...25A	63A, Fuse type gG/50A aM	1SAZ211201R2051	0.170
TA25DU-32M	24...32A	80A, Fuse type gG/63A aM	1SAZ211201R2053	0.200
TA42DU-25M	18...25A	63A, Fuse type gG/50A aM	1SAZ311201R2001	0.335
TA42DU-32M	22...32A	80A, Fuse type gG/63A aM	1SAZ311201R2002	0.335
TA42DU-42M	29...42A	100A, Fuse type gG/80A aM	1SAZ311201R2003	0.335
TA75DU-52M	36...52A	125A, Fuse type gG/100A aM	1SAZ321201R2004	0.335
TA75DU-63M	45...63A	160A, Fuse type gG/125A aM	1SAZ321201R2005	0.335
TA75DU-80M	60...80A	200A, Fuse type gG/160A aM	1SAZ321201R2006	0.370
TA110DU-90	66...90A	200A, Fuse type gG/160A aM	1SAZ411201R1001	0.750
TA110DU-110	80...110A	224A, Fuse type gG/200A aM	1SAZ411201R1002	0.750
TA200DU-135	100...135A	224A, Fuse type gG/200A aM	1SAZ421201R1003	0.760
TA200DU-150	110...150A	250A, Fuse type gG/200A aM	1SAZ421201R1004	0.760
TA200DU-175	130...175A	315A, Fuse type gG/250A aM	1SAZ421201R1005	0.760
TA200DU-200	150...200A	315A, Fuse type gG/250A aM	1SAZ421201R1006	0.760
TA450DU-235	165...235A	Not Applicable	1SAZ511201R1002	1.500
TA450DU-310	220...310A	Not Applicable	1SAZ511201R1003	1.500

### Main dimensions mm, inch

