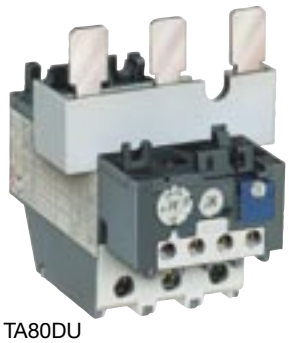
Thermal Overload Relays with Trip Class 20

Ordering data for the "New additional Assortment"

TA25DU

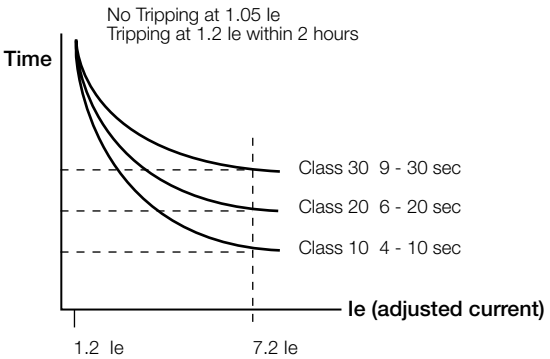
TA42DU

TA75DU



TA80DU

Ordering Details Type	Order code	Setting range A ... A	Max. fuse gL/gG A	Packing unit piece	Weight/ piece kg
TA25DU trip class 20 for contactors A9 ... A40 and (T) AL9 ... (T) AL30					
TA25DU-1.8-20	1SAZ211401R1025	1.3 ... 1.8	10	1	0.170
TA25DU-2.4-20	1SAZ211401R1028	1.7 ... 2.4	16	1	0.170
TA25DU-3.1-20	1SAZ211401R1031	2.2 ... 3.1	16	1	0.170
TA25DU-4.0-20	1SAZ211401R1033	2.8 ... 4.0	20	1	0.170
TA25DU-5.0-20	1SAZ211401R1035	3.5 ... 5.0	25	1	0.170
TA25DU-6.5-20	1SAZ211401R1038	4.5 ... 6.5	25	1	0.170
TA25DU-8.5-20	1SAZ211401R1040	6.0 ... 8.5	32	1	0.170
TA25DU-11-20	1SAZ211401R1043	7.5 ... 11	40	1	0.170
TA25DU-14-20	1SAZ211401R1045	10 ... 14	50	1	0.170
TA25DU-19-20	1SAZ211401R1047	13 ... 19	63	1	0.170
TA25DU-25-20	1SAZ211401R1051	18 ... 25	80	1	0.170
TA25DU-32-20 (1)	1SAZ211401R1053	24 ... 32 (1)	100	1	0.190
(1) with terminal block DX25: 1x16mm²					
TA42DU trip class 20 for contactors A30, A40 and (T) AL30, (T) AL40					
TA42DU-25-20	1SAZ311401R1001	18 ... 25	100	1	0.370
TA42DU-32-20	1SAZ311401R1002	22 ...32	125	1	0.370
TA42DU-42-20	1SAZ311401R1003	29 ... 42	160	1	0.370
TA75DU trip class 20 for contactors A50 ... A75 and AE50 ... AE75					
TA75DU-25-20	1SAZ321401R1001	18 ... 25	100	1	0.370
TA75DU-32-20	1SAZ321401R1002	22 ... 32	125	1	0.370
TA75DU-42-20	1SAZ321401R1003	29 ... 42	160	1	0.370
TA75DU-52-20	1SAZ321401R1004	36 ... 52	200	1	0.370
TA75DU-63-20	1SAZ321401R1005	45 ... 63	200	1	0.370
TA75DU-80-20	1SAZ321401R1006	60 ... 80	250	1	0.370
TA80DU trip class 20 for contactors A95, A110, AE 95 and AE110					
TA80DU-42-20	1SAZ331401R1003	29 ... 42	160	1	0.400
TA80DU-52-20	1SAZ331401R1004	36 ... 52	200	1	0.400
TA80DU-63-20	1SAZ331401R1005	45 ... 63	200	1	0.400
TA80DU-80-20	1SAZ331401R1006	60 ... 80	250	1	0.400



Thermal Overload Relays with Trip Class 20

Resistances and power losses per phase

Short-circuit protection

Setting range	Short-circuit protection (fuses)		UL	UL	Resistance per phase	Power loss per phase
	Type „2“ co-ordination	Type „1“ co-ordination				
from … to A A	gL/gG A	gL/gG A	Fuse/600V K5 A	600V CB A	mOhm	at upper current setting W
Thermal overload relay TA25DU trip class 20						
1.3 … 1.8	10	25	6	-	670.3	2.2
1.7 … 2.4	16	25	10	-	381	2.2
2.2 … 3.1	16	25	10	-	235.3	2.3
2.8 … 4.0	20	25	15	-	140.7	2.3
3.5 … 5.0	25	25	20	-	91.2	2.3
4.5 … 6.5	25	25	25	-	54.5	2.3
6.0 … 8.5	32	32	35	-	32.1	2.3
7.5 … 11	40	40	45	-	15.5	1.9
10 … 14	50	50	60	-	12	2.4
13 … 19	63	63	60	-	6.3	2.3
18 … 25	80	80	70	-	4.7	3.0
24 … 32	100	100	100	-	3.2	3.3
Thermal overload relay TA42DU trip class 20						
18 … 25	100	160	80	80	5.5	3.43
22 … 32	125	160	100	80	2.89	2.91
29 … 42	160	160	150	80	1.84	3.24
Thermal overload relay TA75DU trip class 20						
18 …25	100	160	80	80	5.5	3.43
22 … 32	125	160	100	80	2.89	2.91
29 …42	160	160	150	80	1.84	3.24
36 … 52	200	200	175	125	1.3	3.51
45 … 63	200	250	200	125	0.936	3.72
60 … 80	250	250	250	125	0.615	3.94
Thermal overload relay TA80DU trip class 20						
29 … 42	160	160	150	80	1.84	3.24
36 … 52	200	200	175	125	1.3	3.51
45 … 63	200	250	200	125	0.936	3.72
60 … 80	250	250	250	150	0.615	3.94

Type „1“ co-ordination according to IEC 60947-4-1: Under short-circuit conditions, the starter shall cause no danger to persons or installation and may not be suitable for further service without repair and replacement of parts.

Type „2“ co-ordination according to IEC 60947-4-1: Under short-circuit conditions, the contactor or starter shall cause no danger to persons or installation and shall be suitable for further use. The risk of contact welding is recognized, in which case the manufacturer shall indicate the measures to be taken as regards the maintenance of the equipment

Standard technical data, operating data and dimensions see TA...Relay Main Catalog