

# Thermal overload relays



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## TA25, TA42 and TA75 relays

Relay range in Amps	"Direct mounting on contactors"	"Type Code reference"	Order Code
0.1 ... 0.16	"A9...A40 AX9...AX32 AL9...AL40 TAL9...TAL40"	TA25DU 0.16M	1SAZ211201R2005
0.1 ... 0.16		TA25DU 0.25M	1SAZ211201R2009
0.25 ... 0.4		TA25DU 0.4M	1SAZ211201R2013
0.4 ... 0.63		TA25DU 0.63M	1SAZ211201R2017
0.63 ... 1.0		TA25DU 1.0M	1SAZ211201R2021
1.0 ... 1.4		TA25DU 1.4M	1SAZ211201R2023 ■
1.3 ... 1.8		TA25DU 1.8M	1SAZ211201R2025 ■
1.7 ... 2.4		TA25DU 2.4M	1SAZ211201R2028 ■
2.2 ... 3.1		TA25DU 3.1M	1SAZ211201R2031 ■
2.8 ... 4.0		TA25DU 4.0M	1SAZ211201R2033 ■
3.5 ... 5.0		TA25DU 5.0M	1SAZ211201R2035 ■
4.5 ... 6.5		TA25DU 6.5M	1SAZ211201R2038 ■
6.0 ... 8.5		TA25DU 8.5M	1SAZ211201R2040 ■
7.5 ... 11.0		TA25DU 11M	1SAZ211201R2043 ■
10.0 ... 14.0		TA25DU 14M	1SAZ211201R2045 ■
13.0 ... 19.0		TA25DU 19M	1SAZ211201R2047 ■
18.0 ... 25.0		TA25DU 25M	1SAZ211201R2051 ■
24.0 ... 32.0	TA25DU 32M	1SAZ211201R2053 ■	

### TA42DU

18.0 ... 25.0	"A30,A40, AX32...AX40 AL30,AL40, TAL30,TAL 40"	TA42DU 25	1SAZ311201R2001
22.0 ... 32.0		TA42DU 32	1SAZ311201R2002
29.0 ... 42.0		TA42DU 42	1SAZ311201R2003

### TA75DU

22 ... 32	A50...A75 AX50...AX80 AE50...AE75 TAE50...TAE75 AF50...AF75	TA75DU 32	1SAZ321201R2002
29 ... 42		TA75DU 42	1SAZ321201R2003 ■
36 ... 52		TA75DU 52	1SAZ321201R2004 ■
45 ... 63		TA75DU 63	1SAZ321201R2005 ■
60 ... 80		TA75DU 80	1SAZ321201R2006

TA25/TA42/TA75/TA80/TA110/TA200 are direct operated relays with trip class 10A

### TA110DU

66 ... 90	A95...A110, AX95...AX150	TA110DU-90	1SAZ411201R1001
80 ... 110	AF95...AF110	TA110DU-110	1SAZ411201R1002

### TA200DU

66 ... 90	A145...A185 AX185...AX205 AF145...AF185	TA200DU-90	1SAZ421201R1001
80 ... 110		TA200DU-110	1SAZ421201R1002
100 ... 135		TA200DU-135	1SAZ421201R1003
110 ... 150		TA200DU-150	1SAZ421201R1004
130 ... 175		TA200DU-175	1SAZ421201R1005
150 ... 200		TA200DU-200	1SAZ421201R1006

### Accessories

Independent Mounting Kit	TA25DU0.16..25A	DB25/25	1SAZ201108R0001 ■
	TA25DU32	DB25/32	1SAZ 201108R0002
	TA42DU,TA75DU	DB80	1SAZ301110R0001
	TA110DU, TA200DU	DB200	1SAZ401110R0001

■ Stock items

# Thermal overload relays



TF42

## T16 Relays

Relay range in Amps	Direct mounting on contactors	Type Code reference	Order Code
0.10 ... 0.13	B6/BC6 B7/BC7 VB6/VBC6 VB7/VBC7 AS/ASL	T16-0.13	1SAZ711201R1005
0.13 ... 0.17		T16-0.17	1SAZ711201R1008
0.17 ... 0.23		T16-0.23	1SAZ711201R1009
0.23 ... 0.31		T16-0.31	1SAZ711201R1013
0.31 ... 0.41		T16-0.41	1SAZ711201R1014
0.41 ... 0.55		T16-0.55	1SAZ711201R1017
0.55 ... 0.74		T16-0.74	1SAZ711201R1021
0.74 ... 1.00		T16-1.0	1SAZ711201R1023
1.00 ... 1.30		T16-1.3	1SAZ711201R1025
1.30 ... 1.70		T16-1.7	1SAZ711201R1028
1.70 ... 2.30		T16-2.3	1SAZ711201R1031
2.30 ... 3.10		T16-3.1	1SAZ711201R1033
3.10 ... 4.20		T16-4.2	1SAZ711201R1035
4.20 ... 5.70		T16-5.7	1SAZ711201R1038
5.70 ... 7.60		T16-7.6	1SAZ711201R1040
7.60 ... 10.0		T16-10	1SAZ711201R1043
10.0 ... 13.0		T16-13	1SAZ711201R1045
13.0 ... 16.0	T16-16	1SAZ711201R1047	

## TF42 Relays

Relay range in Amps	Direct mounting on contactors	Type Code reference	Order Code
0.10 ... 0.13	AF09...AF38	TF42-0.13	1SAZ721201R1005
0.13 ... 0.17		TF42-0.17	1SAZ721201R1008
0.17 ... 0.23		TF42-0.23	1SAZ721201R1009
0.23 ... 0.31		TF42-0.31	1SAZ721201R1013
0.31 ... 0.41		TF42-0.41	1SAZ721201R1014
0.41 ... 0.55		TF42-0.55	1SAZ721201R1017
0.55 ... 0.74		TF42-0.74	1SAZ721201R1021
0.74 ... 1.00		TF42-1.0	1SAZ721201R1023
1.00 ... 1.30		TF42-1.3	1SAZ721201R1025
1.30 ... 1.70		TF42-1.7	1SAZ721201R1028
1.70 ... 2.30		TF42-2.3	1SAZ721201R1031
2.30 ... 3.10		TF42-3.1	1SAZ721201R1033
3.10 ... 4.20		TF42-4.2	1SAZ721201R1035
4.20 ... 5.70		TF42-5.7	1SAZ721201R1038
5.70 ... 7.60		TF42-7.6	1SAZ721201R1040
7.60 ... 10.0		TF42-10	1SAZ721201R1043
10.0 ... 13.0		TF42-13	1SAZ721201R1045
13.0 ... 16.0		TF42-16	1SAZ721201R1047
16.0 ... 20.0		TF42-20	1SAZ721201R1049
20.0 ... 24.0		TF42-24	1SAZ721201R1051
24.0 ... 29.0	TF42-29	1SAZ721201R1052	
29.0 ... 35.0	TF42-35	1SAZ721201R1053	
35.0 ... 38.0/40.0	TF42-38	1SAZ721201R1055	

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TF42

## TF42 Relays

Relay range in Amps	Direct mounting on contactors	Type Code reference	Order Code
22.0...28.0	AF40, AF52, AF65	TF65-28	1SAZ811201R1001
25.0...33.0		TF65-33	1SAZ811201R1002
30.0...40.0		TF65-40	1SAZ811201R1003
36.0...47.0		TF65-47	1SAZ811201R1004
44.0...53.0		TF65-53	1SAZ811201R1005
50.0...60.0		TF65-60	1SAZ811201R1006
57.0...67.0		TF65-67	1SAZ811201R1007
40.0...51.0	AF80, AF96	TF96-51	1SAZ911201R1001
48.0...60.0		TF96-60	1SAZ911201R1002
57.0...68.0		TF96-68	1SAZ911201R1003
65.0...78.0		TF96-78	1SAZ911201R1004
75.0...87.0		TF96-87	1SAZ911201R1005
84.0...96.0		TF96-96	1SAZ911201R1006
66...90	AF116, AF140	TF140DU-90	1SAZ431201R1001
80...110		TF140DU-110	1SAZ431201R1002
100...135		TF140DU-135	1SAZ431201R1003
110...142		TF140DU-142	1SAZ431201R1004

For AF190 and AF205 use TA200DU OLR

Description	Type	Order Code
Separate mounting kit	DB16E	1SAX101110R0001
Separate mounting kit	DB42	1SAZ701902R0001

## Electronic overload relays and suitable contactors

Suitable for Contactor	A9 ... A40	A30 ... A40	A50 ... A75	A95, A110	A145, A185	A210 ... A300	
	AL9 ... AL40	AL30 ... AL40	AE50 ... AE75	AE95, AE110	AF145, AF185	AF210 ... AF300	
<b>EOLR</b>	E16DU	E45DU	E80DU	E140DU	EF205	EF370	
Suitable for Contactor	AF400,	AF580,	AF1350,		B6/BC6		
	AF460	AF750	AF1650		B7/BC7		
<b>EOLR</b>	EF460	EF750	E1250DU		E16DU, T16		
Suitable for Contactor	AF09 ... AF16	AF26, AF38	AF40, AF52, AF65	AF80, AF96	AF116, AF140, AF146	AF190, AF205	AF265, AF305, AF370
<b>EOLR</b>	EF19	EF45	EF65	EF96	EF146	EF205	EF370

# Electronic overload relays class 10, 20, 30



## Electronic overload relays

### Trip Class 10, 20, 30 selectable

Setting Range	Trip Class	Type	Order Code
0.1 - 0.32A	Selectable 10E, 20E and 30E	E16DU 0.32	1SAX111001R1101
0.3 - 1.0A		E16DU 1.0	1SAX111001R1102
0.8 - 2.7A		E16DU 2.7	1SAX111001R1103
1.9 - 6.3A		E16DU 6.3	1SAX111001R1104
5.7 - 18.9A		E16DU 18.9	1SAX111001R1105
9 - 30A		E45DU 30	1SAX211001R1101
15 - 45A		E45DU 45	1SAX211001R1102
27 - 80A		E80DU 80	1SAX311001R1101
50 - 140A		E140DU 140	1SAX321001R1101
63 - 210A		EF205-210	1SAX511001R1101
115 - 380A		EF370-380	1SAX521001R1101
150 - 500A		E500DU 500	1SAX711001R1101
250 - 800A		E800DU 800	1SAX811001R1101
375 - 1250A		E1250DU 375 - 1250 A	1SFA739001R1000
0.10...0.32		Selectable 10E, 20E and 30E	EF19-0.32
0.30...1.00	EF19-1.0		1SAX121001R1102
0.80...2.70	EF19-2.7		1SAX121001R1103
1.90...6.30	EF19-6.3		1SAX121001R1104
5.70...18.9	EF19-18.9		1SAX121001R1105
9.00...30.0	EF45-30		1SAX221001R1101
15.0...45.0	EF45-45		1SAX221001R1102
25...70	EF65-70		1SAX331001R1101
36...100	EF96-100		1SAX341001R1101
54...150	EF146-150		1SAX351001R1101
63 - 210A	EF205-210		1SAX511001R1101
115 - 380A	EF370-380		1SAX521001R1101

## Accessories

Description	Type	Order Code
Separate mounting kit	DB16E	1SAX101110R0001
Separate mounting kit - EF19	DB19EF	1SAX101910R1001
Separate mounting kit	DB45E	1SAX201110R1001
Separate mounting kit	DB80E	1SAX301110R1001
Separate mounting kit	DB140E	1SAX301110R1002

For suitable contactors please refer page no. 74