

TF42 thermal overload relays

0.10 ... 38.0 A

For direct coupling to AF09 ... AF38 3-pole contactors

Description

The TF42 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 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
- TEST and STOP function – Trip indication on the front
- Temperature compensation
- Suitable for three- and single-phase applications

Ordering details

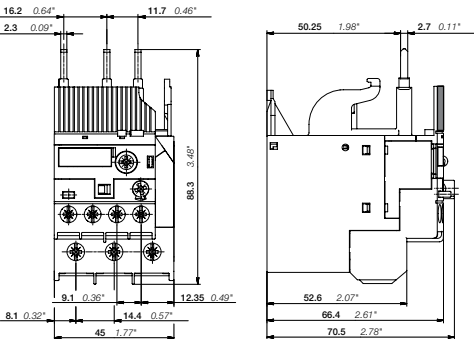
Setting range	For contactors	Trip class	Catalog number	Global reference code	Weight (1 pce) kg
A					
0.10 ... 0.13	AF09... AF38	10	TF42-0.13	1SAZ721201R1005	0.130
0.13 ... 0.17	AF09... AF38	10	TF42-0.17	1SAZ721201R1008	0.130
0.17 ... 0.23	AF09... AF38	10	TF42-0.23	1SAZ721201R1009	0.130
0.23 ... 0.31	AF09... AF38	10	TF42-0.31	1SAZ721201R1013	0.130
0.31 ... 0.41	AF09... AF38	10	TF42-0.41	1SAZ721201R1014	0.130
0.41 ... 0.55	AF09... AF38	10	TF42-0.55	1SAZ721201R1017	0.130
0.55 ... 0.74	AF09... AF38	10	TF42-0.74	1SAZ721201R1021	0.130
0.74 ... 1.00	AF09... AF38	10	TF42-1.0	1SAZ721201R1023	0.130
1.00 ... 1.30	AF09... AF38	10	TF42-1.3	1SAZ721201R1025	0.130
1.30 ... 1.70	AF09... AF38	10	TF42-1.7	1SAZ721201R1028	0.130
1.70 ... 2.30	AF09... AF38	10	TF42-2.3	1SAZ721201R1031	0.130
2.30 ... 3.10	AF09... AF38	10	TF42-3.1	1SAZ721201R1033	0.130
3.10 ... 4.20	AF09... AF38	10	TF42-4.2	1SAZ721201R1035	0.130
4.20 ... 5.70	AF09... AF38	10	TF42-5.7	1SAZ721201R1038	0.130
5.70 ... 7.60	AF09... AF38	10	TF42-7.6	1SAZ721201R1040	0.130
7.60 ... 10.0	AF09... AF38	10	TF42-10	1SAZ721201R1043	0.130
10.0 ... 13.0	AF09... AF38	10	TF42-13	1SAZ721201R1045	0.130
13.0 ... 16.0	AF09... AF38	10	TF42-16	1SAZ721201R1047	0.130
16.0 ... 20.0	AF09... AF38	10	TF42-20	1SAZ721201R1049	0.145
20.0 ... 24.0	AF09... AF38	10	TF42-24	1SAZ721201R1051	0.145
24.0 ... 29.0	AF09... AF38	10	TF42-29	1SAZ721201R1052	0.145
29.0 ... 35.0	AF09... AF38	10	TF42-35	1SAZ721201R1053	0.145
35.0 ... 38.0/40.0	AF09... AF38	10	TF42-38	1SAZ721201R1055	0.145

Ordering details accessories

For thermal overload relays	Description	Catalog number	Global reference code	Weight (1 pce) kg
A				
TF42	Single mounting kit	DB42	1SAZ701902R0001	0.087
TF42	Reset push button (1)	KPR-101L	1SFA616162R1014	0.027

(1) Note: for more information see catalog 1SXU000023C0202 Rev. A.

Main dimensions mm, inches



TF42