

TF140DU thermal overload relays

66 ... 142 A

For direct coupling to AF116 ... AF146 3-pole contactors



TF140DU



KPR-101L

Description

The TF140DU 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
- TEST and STOP function – Trip indication on the front
- Temperature compensation
- Suitable for three- and single-phase applications

Ordering details

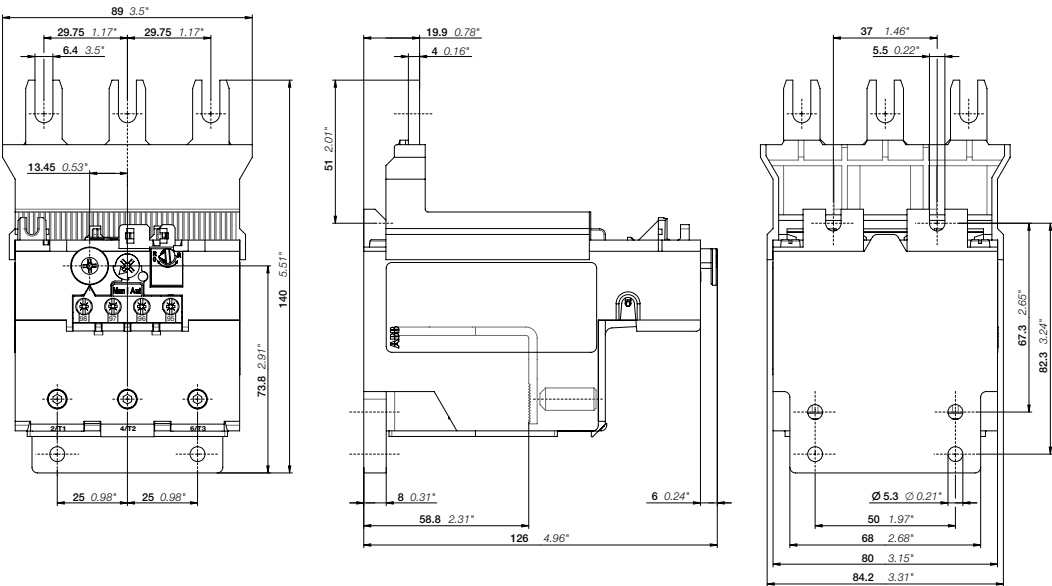
Setting range	For contactors	Trip class	Catalog number	Global reference code	Weight (1 pce) kg
A					
66 ... 90	AF116 ... AF146	10A	TF140DU-90	1SAZ431201R1001	0.820
80 ... 110	AF116 ... AF146	10A	TF140DU-110	1SAZ431201R1002	0.820
100 ... 135	AF116 ... AF146	10A	TF140DU-135	1SAZ431201R1003	0.820
110 ... 142	AF116 ... AF146	10A	TF140DU-142	1SAZ431201R1004	0.820

Ordering details accessories

For thermal overload relays	Description	Catalog number	Global reference code	Weight (1 pce) kg
A				
TF140DU	Reset push button (1)	KPR-101L	1SFA616162R1014	0.027

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

Main dimensions mm, inches



TF140DU