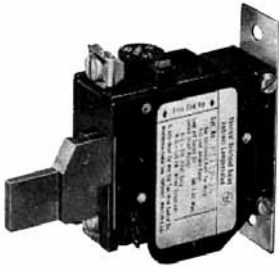


Type FT Fast Trip, Class 10 Overload Relay



Single-Pole Fast Trip, Panel Mounted



Three-Pole Fast Trip, Panel Mounted

Application Description

The Type FT overload relay is designed to protect special purpose motors having restricted thermal and locked rotor capabilities. Using modern block-type, bimetallic design, this relay will provide Class 10 operation in single-phase or three-phase applications.

Features

- Class 10—600V design
- Inverse time delay trip
- Color-coded reset rod—green
- Alarm contact factory available
- Field selectable manual/auto reset
- Adjustable trip rating $\pm 20\%$
- Ambient compensation included

Operation

The Type FT overload relay is a bimetallic actuated device. The bimetal elements are operated directly from line current, thus separate calibrating heater elements are not used. The overload relay may be wired directly in the motor circuit, or through current transformers on applications larger than 150A.

As the bimetals are heated by motor current flow, a deflection is produced. Upon a sustained level of abnormal current flow, the deflection becomes great enough to open the snap action output contact.

Overload Relay Selection Table

For replacement in existing applications only.

Motor Full Load Amperes	Panel Mounted Catalog Number		Starter Mounted Catalog Number ^①	
	Single-Pole ^①	Three-Pole ^②	NEMA Size	Single-Pole
Single-Pole (One NC Contact); Three-Phase (Three NC Contacts in Series)				
0.76–1.1	FT11P-1.1	FT13P-1.1	—	FT11A-1.1
1.1–1.6	FT11P-1.6	FT13P-1.6	—	FT11A-1.6
1.6–2.4	FT11P-2.4	FT13P-2.4	0, 1	FT11A-2.4
2.4–3.6	FT11P-3.6	FT13P-3.6	0, 1	FT11A-3.6
3.6–5.4	FT11P-5.4	FT13P-5.4	0, 1	FT11A-5.4
5.4–8.0	FT11P-8	FT13P-8	0, 1	FT11A-8
8.0–12	FT11P-12	FT13P-12	0, 1	FT11A-12
12–18	FT11P-18	FT13P-18	1	FT11A-18
16–24	FT11P-24	FT13P-24	1	FT11A-24
22–32	FT11P-32	FT13P-32	0, 1	FT11A-32
24–36	FT21P-36	FT23P-36	2	FT21A-36
36–54	FT21P-54	FT23P-54	2	FT21A-54
22–32	FT31P-32	FT33P-32	3	FT31A-32
32–48	FT31P-48	FT33P-48	3	FT31A-48
48–72	FT31P-72	FT33P-72	3	FT31A-72
72–110	FT41P-110	FT43P-110	4	FT41A-110
100–150	FT41P-150	FT43P-150	4	FT41A-150

Notes

^① Single-pole (one NO–NC contact): Add suffix B.

^② Three-pole (three NO–NC contacts): Add suffix B. Example: **FT13PB-12**.

Alarm contact available only as factory modification on FT relay.

Renewal Parts

Renewal Contact Kits for C25 Definite Purpose Contactors

- Replace complete contactor for:
 - C25A_
 - C25B_
 - C25C_
 - C25D_

Renewal Contact Kits for C25 Definite Purpose Contactors

Catalog Number	Single-Pole Kit Part Number	Two-Pole Kit Part Number	Three-Pole Kit Part Number
C25FNF250	—	6-65-5	—
C25FNF350	—	—	6-65-6
C25FNF260	—	6-65-7	—
C25FNF360	—	—	6-65-8
C25FNF275	—	6-65-20	—
C25FNF375	—	—	6-65-19
C25GNF290	—	—	—
C25GNF390	—	—	—
C25HNE3120	—	—	6-43-6
C25KNE3200	—	—	6-288
C25KNE3300	—	—	6-286
C25LNE3360	—	—	6-45-2

Product Selection

AC Coils

AC Coil Voltage	Frequency	Coil Suffix	Part Number
15, 25, 30 and 40A — Two- and Three-Pole (Series D1 and E1)			
12	60	R	9-3185-5
24		T	9-3185-6
110/120		A	9-3185-1
208/240		B	9-3185-2
220/240	60	J	9-3185-10
440/480		C	9-3185-3
550/600		D	9-3185-4
277		H	9-3185-7
380/415	50	L	9-3185-8
15, 25, 30 and 40A — Two- and Three-Pole (Series C1)			
12	60	R	9-3125-5
24		T	9-3125-6
104/120		A	9-3125-1
208/240	50	B	9-3125-2
440/480		C	9-3125-3
550/600		D	9-3125-4
277	60	H	9-3125-8
380/415	50	L	9-3125-8
15, 25, 30 and 40A — Two- and Three-Pole (Series D1 and E1)			
12	60	R	9-3252-5
24		T	9-3252-6
110/120		A	9-3252-1
208/240		B	9-3252-2
220/240	60	J	9-3252-10
440/480		C	9-3252-3
550/600		D	9-3252-4
277		H	9-3252-7
380/415	50	L	9-3252-8
50A — Two- and Three-Pole (Series D1 and E1)			
12	60	R	9-3186-5
24		T	9-3186-6
110/120		A	9-3186-1
208/240		B	9-3186-2
220/240	60	J	9-3186-10
440/480		C	9-3186-3
550/600		D	9-3186-4
277		H	9-3186-7
380/415	50	L	9-3186-8