

# 3TD, 3TE Contactor Assemblies

## 3TD6 reversing contactor assemblies, 335 kW

### Overview

The contactor assemblies are suitable for use in any climate and the contactors are mechanically interlocked. They are finger-safe according to EN 50274.

Complete units and components for customer assembly are available. For motor protection, either overload relays for stand-alone installation or thermistor motor protection releases must be ordered separately.

### Complete units



3TD68 contactor assemblies each consist of two mechanically interlocked 3TF68 contactors. Electrical interlocking is wired. The main and control circuits are wired according to the schematics.

An internal circuit diagram, a type designation and an unit labeling plate are provided on a common cover.

### Auxiliary contacts

The contactor assemblies each have 2 NO + 2 NC contacts per contactor. 1 NO + 1 NC contacts with momentary-contact operation and 2 NO + 1 NC contacts with continuous operation are unassigned.

### Selection and ordering data

Size	Rated data AC-3					Auxiliary contacts per direction of rotation		Rated control supply voltage $U_s$	DT	Screw terminals 		PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Operational current $I_e$ up to	Ratings of induction motors at 50 Hz and				Version				Order No.	Price per PU				
		690 V	230 V	400 V	500 V	690 V									
	A	kW	kW	kW	kW	NO	NC	V AC							kg

### Complete units

#### AC operation, 50/60 Hz

14	630	200	335	434	600	4	4	110 ... 132	C	3TD68 04-2CF7	1	1 unit	101	56.000
								200 ... 240	C	3TD68 04-2CM7	1	1 unit	101	56.000

# 3TD, 3TE Contactor Assemblies

## 3TE6 contactor assemblies for wye-delta starting, 630 kW

### Overview

The contactor assemblies are suitable for use in any climate. They are finger-safe according to EN 50274.

3TE contactor assemblies are available as complete units and components for customer assembly.


The complete unit combinations are optionally supplied without a main conducting path connection between the line contactor and the delta contactor.

### Motor protection

3TE68 contactor assemblies are supplied without overload protection. Overload relays or thermistor motor protection releases must be ordered separately.

The overload relay can be either mounted onto the line contactor or separately fitted. It must be set to 0.58 times the rated motor current.

### Selection and ordering data

Size	Rated data AC-3				Rated control supply voltage $U_s$	DT	Screw terminals 	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Operational current $I_e$ up to	Ratings of induction motors at 50 Hz and					Order No.	Price per PU			
	690 V	230 V	400 V	500 V	690 V						
	A	kW	kW	kW	kW	V AC					kg

### Complete units, reversing time up to 10 s

#### AC operation, 50 Hz

#### Without main conducting path connection between line and delta contactor

14	1090	315	630	800	1000	110	C	3TE68 04-5CF0	1	1 unit	101	58.000
						230/220 <sup>1)</sup>	D	3TE68 04-5CP0	1	1 unit	101	58.000

For motor protection, overload relays for stand-alone installation must be ordered separately, see "Protection Equipment" → "Overload Relays" → "3RB2 Solid-State Overload Relays".

<sup>1)</sup> Operating range at 220 V:  
0.85 ... 1.15 x  $U_s$ ;  
lower operating range limit according to IEC 60947.