

Control relays CTX³



4 168 10

Technical characteristics **p. 188**
Dimensions **see e-catalogue**

Pack	Cat. Nos	CTX ³ control relays
		4-pole Conform to IEC 60 947 I _{th} = 10 A Low consumption coil
		4 NO
1	4 168 00	24 V \sim
1	4 168 01	24 V \equiv
1	4 168 04	110 V \sim
1	4 168 06	230 V \sim
1	4 168 09	400 V \sim
		3 NO + 1 NC
1	4 168 10	24 V \sim
1	4 168 11	24 V \equiv
1	4 168 14	110 V \sim
1	4 168 16	230 V \sim
1	4 168 19	400 V \sim
		2 NO + 2 NC
1	4 168 20	24 V \sim
1	4 168 21	24 V \equiv
1	4 168 24	110 V \sim
1	4 168 26	230 V \sim
1	4 168 29	400 V \sim

Contactors CTX³

technical characteristics

Accessory

Interlock unit, Cat.No 4 168 80

The mechanical interlock unit provides 2NC contacts for use in electrical interlocking of two contactors

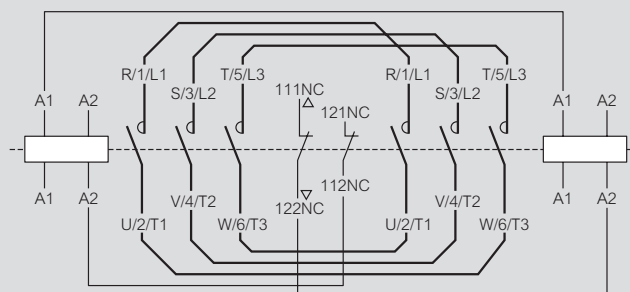
Wire kits

Used for making reversing circuit between two contactors

Contactor	Wire kit		Interlock unit	
	Cat.No	Weight	Cat.No	Weight
CTX ³ 22	4 168 82	0.04 kg	4 168 80	0.06 kg
CTX ³ 40	4 168 83	0.05 kg		
CTX ³ 65	4 168 84	0.12 kg		
CTX ³ 100	4 168 85	0.33 kg		
CTX ³ 150	-	-		

Rating of the contacts in the interlocks

Rated operation voltage (V)		600
Rated insulation voltage (V)		600
Rated frequency (Hz)		50/60
Rated thermal current (A)		10
Rated operation current (A)	120 V	6
	240 V	3
	380 V	1.9
	480 V	1.5
	500 V	1.4
	600 V	1.2
	DC13 duty (Q300)	125 V
	250 V	0.27



CTX³ 9 A - 150 A typical circuit diagram for reversing contactor

Time delay blocks Cat.No 4 168 70/71/72/73

Applying contactors	Cat.No	Rated voltage	Performance
CTX ³ 22 to CTX ³ 150	On delay	4 168 70	AC/DC 24 to 48 V
		4 168 71	AC 110 to 230 V
	Off delay	4 168 72	AC/DC 24 to 48 V
		4 168 73	AC 110 to 230 V

- Mounting: Head on
- Contact: 1 NC
- Time delay: 1s to 30s On delay, Off delay
- Frequency: AC 50/60 hz
- Operation: Min. voltage 85%
Max. voltage 110%
- Accuracy of setting time: $\pm 20\%$