

Control relays CTX³



4 168 10

Technical characteristics **p. 196**
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 _~ |
| 1 | 4 168 01 | 24 V ₌ |
| 1 | 4 168 04 | 110 V _~ |
| 1 | 4 168 06 | 230 V _~ |
| 1 | 4 168 09 | 400 V _~ |
| | | 3 NO + 1 NC |
| 1 | 4 168 10 | 24 V _~ |
| 1 | 4 168 11 | 24 V ₌ |
| 1 | 4 168 14 | 110 V _~ |
| 1 | 4 168 16 | 230 V _~ |
| 1 | 4 168 19 | 400 V _~ |
| | | 2 NO + 2 NC |
| 1 | 4 168 20 | 24 V _~ |
| 1 | 4 168 21 | 24 V ₌ |
| 1 | 4 168 24 | 110 V _~ |
| 1 | 4 168 26 | 230 V _~ |
| 1 | 4 168 29 | 400 V _~ |

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

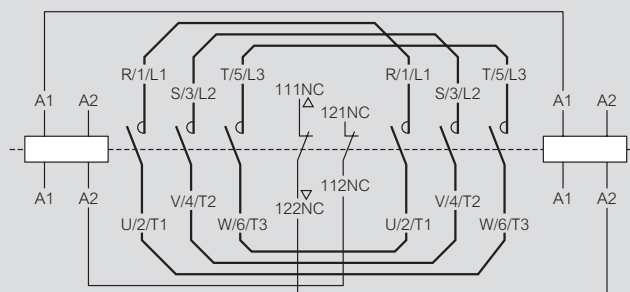
Wire kits

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: ± 20 %