

CTX³ accessories



Technical characteristics p. 31
Dimensions p. 53

Pack Cat.Nos CTX³ add-on auxiliary contact blocks

| Pack | Cat.Nos | CTX ³ add-on auxiliary contact blocks |
|------|---------|--|
| | | Front mounting |
| | | For CTX ³ 3P from 9 A to 150 A (AC-3) and CTX ³ 4P from 40 A to 135 A (AC-1) 2 and 4 pole lth: 16 A |
| 20 | 4168 50 | 1 NO + 1 NC |
| 20 | 4168 51 | 2 NO |
| 20 | 4168 52 | 2 NC |
| 10 | 4168 53 | 4 NO |
| 10 | 4168 54 | 3 NO + 1 NC |
| 10 | 4168 55 | 2 NO + 2 NC |
| 10 | 4168 56 | 1 NO + 3 NC |
| 10 | 4168 57 | 4 NC |
| | | Side mounting |
| | | 2-pole Mounting on both sides |
| 20 | 4168 58 | For CTX ³ 3P from 9 A to 150 A (AC-3) 1 NO + 1 NC - lth: 16 A |
| 50 | 4168 59 | For CTX ³ 3P from 185 A to 800 A (AC-3) and CTX ³ 4P from 165 A to 900 A (AC-1) 1 NO + 1 NC - lth: 16 A |
| 60 | 4168 49 | For CTX ³ 4P from 40 A to 135 A (AC-1) 1 NO + 1 NC - lth: 16 A |

CTX³ time delay blocks

| Pack | Cat.Nos | CTX ³ time delay blocks |
|------|---------|---|
| | | For CTX ³ 3P from 9 A to 150 A (AC-3) Time delay: 1 to 30 s Front mounting |
| 1 | 4168 70 | On delay 24-48 V \sim / \equiv |
| 1 | 4168 71 | 110-230 V \sim |
| 1 | 4168 72 | Off delay 24-48 V \sim / \equiv |
| 1 | 4168 73 | 110-230 V \sim |

CTX³ capacitor switching units

| Pack | Cat.Nos | CTX ³ capacitor switching units |
|------|---------|---|
| | | AC-6b Operating power from 9.7 kVAR to 62 kVAR (400/440 V) |
| 1 | 4168 74 | For contactors CTX ³ 3P from 9 to 40 A |
| 1 | 4168 75 | For contactors CTX ³ 3P 50 and 65 A with screw terminals |
| 1 | 4168 76 | For contactors CTX ³ 3P 50 and 65 A with cage terminals |
| 1 | 4168 77 | For contactors CTX ³ 3P 75 to 100 A with screw terminals |

Pack Cat.Nos CTX³ interlocking

| Pack | Cat.Nos | CTX ³ interlocking |
|------|---------|--|
| | | Component parts for assembling by customer Horizontal mounting |
| | | Interlock units |
| 50 | 4168 79 | Mechanical interlocks for CTX ³ 4P from 40 to 135 A (AC-1) |
| 1 | 4168 80 | Mechanical interlocks for CTX ³ 3P from 9 to 150 A Provides 2 NC contacts for use in electrical interlocking |
| 12 | 4168 87 | Mechanical interlocks for CTX ³ 3P from 185 to 400 A and CTX ³ 4P from 165 to 500 A |
| 1 | 4168 88 | Mechanical interlocks for CTX ³ 3P from 500 to 800 A |
| 1 | 4168 89 | Mechanical interlocks for CTX ³ 4P from 750 to 900 A |
| | | Wire kits |
| | | Used for making reversing between two 3P contactors |
| 4 | 4168 82 | For CTX ³ 22 |
| 6 | 4168 83 | For CTX ³ 40 |
| 2 | 4168 84 | For CTX ³ 65 |
| 1 | 4168 85 | For CTX ³ 100 |

Boxes for motor starter

| Pack | Cat.Nos | Boxes for motor starter |
|------|---------|---|
| 1 | 4168 90 | For CTX ³ 22 equipped with RTX ³ 40 (0.1 - 22 A) Without pushbuttons |
| 1 | 4168 91 | With pushbuttons |

CTX³ transient voltage suppressor blocks

| Pack | Cat.Nos | CTX ³ transient voltage suppressor blocks |
|------|---------|---|
| | | Absorbs the surge arisen out of the coil of the contactor |
| 10 | 4168 95 | 24-48 V V \sim / \equiv |
| 10 | 4168 96 | 100-125 V \sim / \equiv |
| 10 | 4168 97 | 200-240 V \sim / \equiv |
| 10 | 4168 98 | 380-400 V \sim |

CTX³ terminals covers

| Pack | Cat.Nos | CTX ³ terminals covers |
|------|---------|--|
| 10 | 4168 42 | For CTX ³ 3P from 185 to 225 A (AC-3) |
| 25 | 4168 43 | For CTX ³ 3P from 265 to 400 A (AC-3) |
| 5 | 4168 44 | For CTX ³ 3P from 500 to 900 A (AC-3) |
| 10 | 4168 45 | For CTX ³ 4P from 165 to 330 A (AC-1) |
| 10 | 4168 46 | For CTX ³ 4P from 420 to 500 A (AC-1) |
| 5 | 4168 47 | For CTX ³ 4P from 750 to 900 A (AC-1) |

CTX³ safety front cover

| Pack | Cat.Nos | CTX ³ safety front cover |
|------|---------|--|
| 150 | 4168 40 | For CTX ³ 3P from 9 to 150 A (AC-3) and CTX ³ 4P from 40 to 135 A (AC-1) |
| 150 | 4168 41 | For CTX ³ 3P from 85 to 800 A (AC-3) and CTX 4P from 165 to 900 A (AC-1) |

Distant reset flexible cables for thermal relays

| Pack | Cat.Nos | Distant reset flexible cables for thermal relays |
|------|---------|--|
| 1 | 4168 92 | 400 mm |
| 1 | 4168 93 | 500 mm |
| 1 | 4168 94 | 600 mm |

Features of capacitor unit (Pre-loading resistor)

- Damping resistor that can limit the inrush current up to $60 \times I_n$ by closing earlier than the main contacts of the contactor
- No heat loss by the serial resistor
- Eliminates the switching surge
- Improves the performance of the capacitor system

Operation sequence

Capacitor unit: OFF
Contactor: OFF

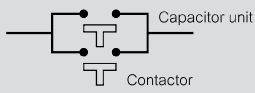


Fig.1

Capacitor unit: ON
Contactor: OFF

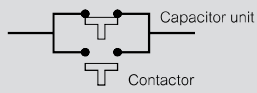


Fig.2

Capacitor unit: OFF
Contactor: ON

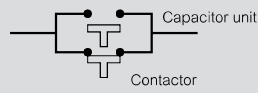


Fig.3

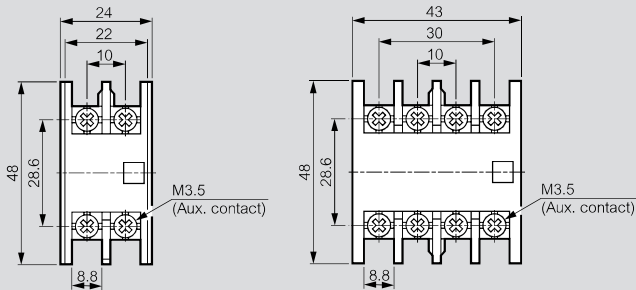
Note - Closing sequence: Fig.1 => Fig.2 => Fig.3
Opening sequence: Fig.3 => Fig.1

CTX³ accessories

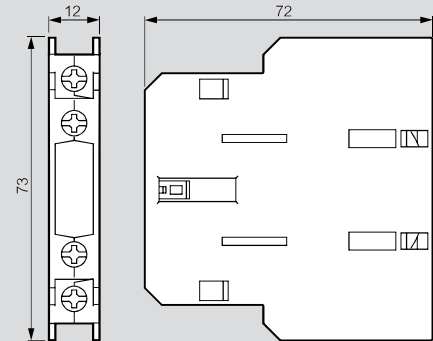
dimensions and wiring diagrams

Auxiliary contacts for CTX³

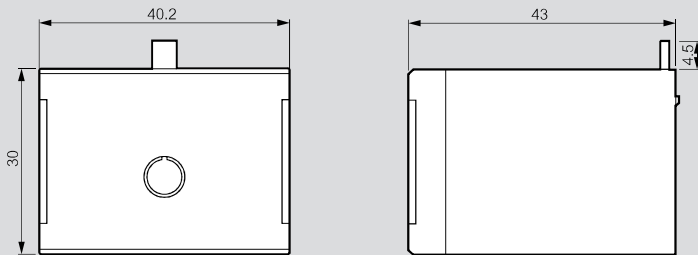
Front mounting



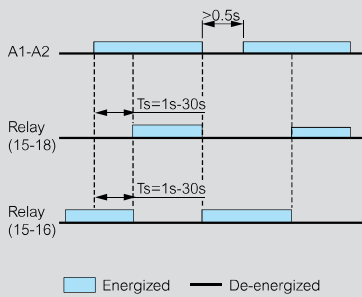
Side mounting



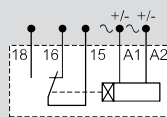
CTX³ time-delay blocks



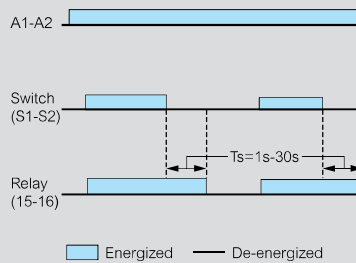
ON delay - Cat.Nos 4168 70/71



Circuit diagram



OFF delay - Cat.Nos 4168 72/73



Circuit diagram

