




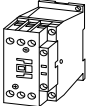

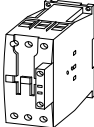



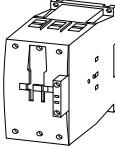

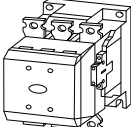



Accessories

Auxiliary Contacts

Front-mounted snap-on auxiliary contacts for **XT** contactors are available with screw or spring cage terminals in a variety of contact configurations.

Auxiliary Contacts Possible Combinations

| Frame Size | Catalog Number | Contactor | Built-In Auxiliary | Front (Top) Mount | | Side-Mount | | Total Auxiliary Contacts Available |
|---|------------------------------|---|--------------------|---|---|-------------|----------|---|
| | | | | Two-Pole | Four-Pole | Single-Pole | Two-Pole | |
| A | XTMC6A_ – XTMC9A_ |  | 1NO or 1NC | 1 | — | — | — | 3 |
| | | | | — | 1 | — | — | 5 |
| | | | |  |  | — | — | — |
| B | XTCE007B_ – XTCE015B_ |  | 1NO or 1NC | 1 | — | — | — | 3 |
| | | | | — | 1 | — | — | 5 |
| | | | | — | — | 1 | — | 2 |
|  | — | — | — | — | | | | |
| C | XTCE018C_ – XTCE032C_ |  | 1NO or 1NC | 1 | — | — | — | 3 |
| | | | | — | 1 | — | — | 5 |
| | | | | — | — | — | 1 | 3 |
|  | — | — | — | — | | | | |
| D | XTCE040D00_ – XTCE065D00_ |  | — | 1 | — | — | 2 | 6 |
| | | | | — | 1 | — | 1 | 6 |
| | | | |  |  | — | — |  |
| F-G | XTCE080F00_ – XTCE150G00_ |  | — | 1 | — | — | 2 | 6 |
| | | | | — | 1 | — | 2 | 8 |
| | | | | — | — | — | 4 | 8 |
|  | — | — | — | — | | | | |
| L-R | XTCE185H22_ – XTCEC20R22_ |  | 2NO-2NC | — | — | — | 2 | 8 |
| | | | | — | — | — | — | — |
|  | — | — | — | — | | | | |

Notes

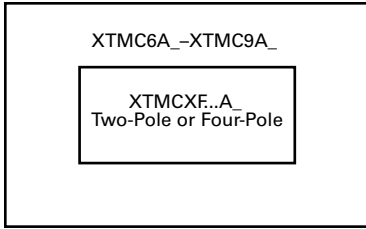
Forced operation contact to IEC/EN 60947-5-1 Appendix L (positively driven), inside the auxiliary contact unit (not early close and late opening).

Auxiliary normally closed contact can be used as mirror contact to IEC/EN 60947-4-1 Appendix F (not late opening).

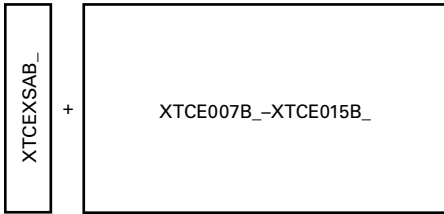
No auxiliary contacts can be fitted between two contactors.

1

Auxiliary Contact Combinations



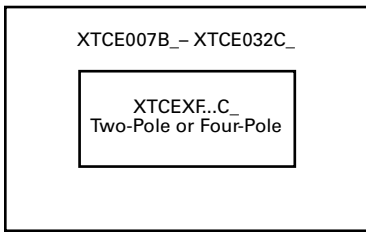
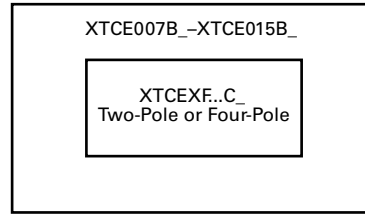
Frame A



Frame B

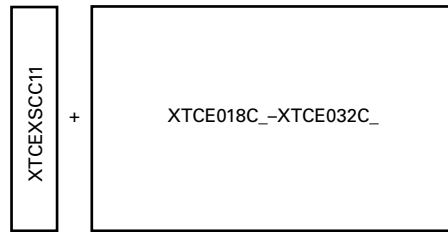
Not for use with mechanical interlock.

or



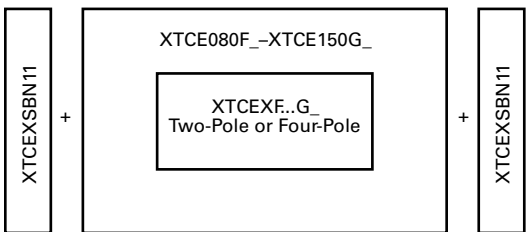
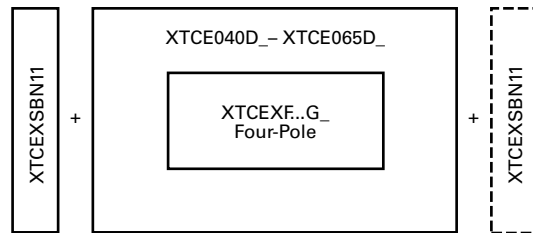
Frame C

or



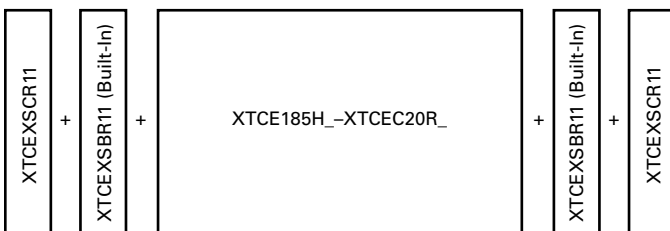
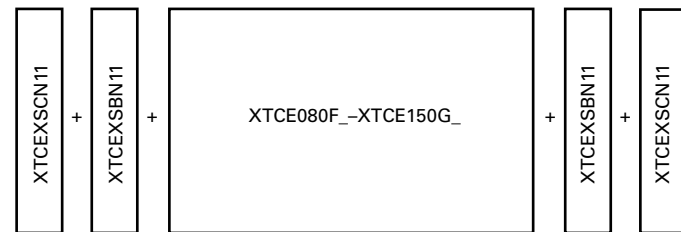
Frame D

or



Frames F-G

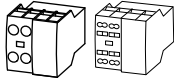
or



Frames L-R







Auxiliary Contacts

XTCEXF_

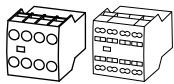


Frames B–C, Front (Top) Mount—Two-Pole

Conventional Thermal Current,
Open at 60°C
 $I_{th} = I_e$, AC-1 in Amps








| | Contact Configuration | Circuit Symbol | Pkg. Qty. ① | Screw Terminal Catalog Number |
|----|------------------------------------|---|-------------|-------------------------------|
| 16 | 2NO |  | 5 | XTCEXFAC20 |
| 16 | 1NO-1NC |  | 5 | XTCEXFAC11 ④ |
| 16 | 2NC |  | 5 | XTCEXFAC02 |
| 16 | 1NO _E -1NC _L |  | 5 | XTCEXFALC11 ② |
| 16 | 1NO-1NC |  | 5 | XTCEXFDC11 ③ |
| 16 | 2NC |  | 5 | XTCEXFCC02 ③ |

XTCEXF_



Frames B–C, Front (Top) Mount—Four-Pole

Conventional Thermal Current,
Open at 60°C
 $I_{th} = I_e$, AC-1 in Amps

| | Contact Configuration | Circuit Symbol | Pkg. Qty. ① | Screw Terminal Catalog Number |
|----|------------------------------------|---|-------------|-------------------------------|
| 16 | 4NO |  | 5 | XTCEXFAC40 ④ |
| 16 | 3NO-1NC |  | 5 | XTCEXFAC31 ④ |
| 16 | 2NO-2NC |  | 5 | XTCEXFAC22 ④ |
| 16 | 1NO-3NC |  | 5 | XTCEXFAC13 |
| 16 | 4NC |  | 5 | XTCEXFAC04 |
| 16 | 1NO _E -1NC _L |  | 5 | XTCEXFCLC22 ② |
| 16 | 2NO-2NC |  | 5 | XTCEXFCC22 ③ |

Notes

- ① Orders must be placed in multiples of package quantity listed.
- ② 1 early-make contact (1NO_E), 1 late-break contact (1NC_L).
- ③ To avoid duplicate terminal numbers in contact sequence, these auxiliary contacts should only be used with contactors having a built-in 1NO contact (XTCE...B10_, XTCE...C10_).
- ④ Catalog number is shown with screw type terminal. For spring cage, add a "C" before the last 2 digits. For example, to order a spring cage version of the XTCEXFAC22, change the catalog number to XTCEXFACC22.

1

XTCEXFATC_



Frames B–C, Front (Top) Mount—Tall Version Two-Pole ①

| Conventional Thermal Current, Open at 60°C $I_{th} = I_e$, AC-1 in Amps | Contact Configuration | Circuit Symbol | Pkg. Qty. ② | Screw Terminal Catalog Number |
|---|-----------------------|----------------|-------------|-------------------------------|
| 16 | 2NO | | 5 | XTCEXFATC20 |
| 16 | 1NO-1NC | | 5 | XTCEXFATC11 |
| 16 | 2NC | | 5 | XTCEXFATC02 |

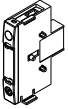
XTCEXFATC22



Frames B–C, Front (Top) Mount—Tall Version Four-Pole ①

| Conventional Thermal Current, Open at 60°C $I_{th} = I_e$, AC-1 in Amps | Contact Configuration | Circuit Symbol | Pkg. Qty. ② | Screw Terminal Catalog Number |
|---|-----------------------|----------------|-------------|-------------------------------|
| 16 | 2NO-2NC | | 5 | XTCEXFATC22 |

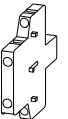
XTCEXSAB_



Frame B, Side-Mount—Single-Pole

| Conventional Thermal Current, Open at 60°C $I_{th} = I_e$, AC-1 in Amps | Contact Configuration | Circuit Symbol | Pkg. Qty. ② | Screw Terminal Catalog Number |
|---|-----------------------|----------------|-------------|-------------------------------|
| 16 | 1NO | | 1 | XTCEXSAB10 ③ |
| 16 | 1NC | | 1 | XTCEXSAB01 ③ |

XTCEXSACC11



Frame C, Side-Mount—Two-Pole

| Conventional Thermal Current, Open at 60°C $I_{th} = I_e$, AC-1 in Amps | Contact Configuration | Circuit Symbol | Pkg. Qty. ② | Screw Terminal Catalog Number |
|---|-----------------------|----------------|-------------|-------------------------------|
| 10 | 1NO-1NC | | 1 | XTCEXSACC11 ③ |

Notes

Interlocked opposing contacts, to IEC/EN 60947-5-1 Annex L (positively driven), within the auxiliary contact modules (not NO [early make] and NC [late break] contacts) and for the built-in auxiliary contacts of the XTCE007B_–XTCE032C_.

Auxiliary break contact can be used as mirror contact to IEC/EN 60947-4-1 Annex F (not NC [late break] contact).

No auxiliary contacts can be fitted between two contactors.

① Front (top) mount tall version is for use with Frame B electrical wire bridges and link kits (see **Page V5-T1-74**) and toolless plug combination connection kits: XTCEXRLB, XTCEXSDB, XTPAXTPCB, XTPAXTPCRB, XTPAX.

② Orders must be placed in multiples of package quantity listed.

③ Can be mounted to the left side of contactor only. Cannot be used in combination with front (top) mount auxiliary contacts or mechanical interlocks.

XTCEXF_



Frames D–G—Two-Pole

Conventional Thermal Current,
Open at 60°C
 $I_{th} = I_e$, AC-1 in Amps

| | Contact Configuration | Circuit Symbol | Pkg. Qty. ① | Screw Terminal Catalog Number |
|----|-----------------------|----------------|-------------|-------------------------------|
| 16 | 2NO | | 5 | XTCEXFBG20 |
| 16 | 1NO-1NC | | 5 | XTCEXFAG11 |
| 16 | 1NO-1NC | | 5 | XTCEXFBG11 |
| 16 | 2NC | | 5 | XTCEXFBG02 |

XTCEXF_



Frames D–G—Four-Pole

Conventional Thermal Current,
Open at 60°C
 $I_{th} = I_e$, AC-1 in Amps

| | Contact Configuration | Circuit Symbol | Pkg. Qty. ① | Screw Terminal Catalog Number |
|----|------------------------------------|----------------|-------------|-------------------------------|
| 16 | 4NO-0NC | | 5 | XTCEXFBG40 |
| 16 | 3NO-1NC | | 5 | XTCEXFBG31 |
| 16 | 2NO-2NC | | 5 | XTCEXFBG22 |
| 16 | 2NO-2NC | | 5 | XTCEXFAG_22 ② |
| 16 | 1NO-3NC | | 5 | XTCEXFBG13 |
| 16 | 0NO-4NC | | 5 | XTCEXFBG04 |
| 16 | 1NO _E -1NC _L | | 5 | XTCEXFBG22 ③ |

Notes

Interlocked opposing contacts, to IEC/EN 60947-5-1 Annex L (positively driven), within the auxiliary contact modules (not NO (early make) and NC (late break) contacts) and for the built-in auxiliary contacts of the XTCE007B_–XTCE032C_.

Auxiliary break contact can be used as mirror contact to IEC/EN 60947-4-1 Annex F (not NC (late break) contact).

No auxiliary contacts can be fitted between two contactors.

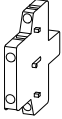
① Orders must be placed in multiples of package quantity listed.

② A “_” denotes catalog numbers are incomplete. To complete the catalog number for ordering a spring cage terminal, insert a **C** in the “_” position or remove “_” for screw type terminal.

③ One early-make contact (1NO_E), one late-break contact (1NC_L).

1

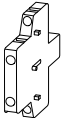
XTCEXS_



Frames D–H, Side Mount (Snap-On) – Two-Pole

| Conventional Free Air Thermal Current, $I_{th} = I_e$, AC-1 in Amps | Contact Configuration | Circuit Symbol | Pkg. Qty. ① | Screw Terminal Catalog Number |
|--|------------------------------------|----------------|-------------|-------------------------------|
| 10 | 1NO–1NC | | 1 | XTCEXSBN11 |
| 10 | 1NO _E –1NC _L | | 1 | XTCEXSBLN11 ② |
| 10 | 1NO–1NC | | 1 | XTCEXSCN11 ③ |

XTCEXS_



Frames L–R, Side Mount (Screw Mount) – Two-Pole

| Conventional Free Air Thermal Current, $I_{th} = I_e$, AC-1 in Amps | Contact Configuration | Circuit Symbol | Pkg. Qty. ① | Screw Terminal Catalog Number |
|--|------------------------------------|----------------|-------------|-------------------------------|
| 10 | 1NO–1NC | | 1 | XTCEXSBR11 ④ |
| 10 | 1NO _E –1NC _L | | 1 | XTCEXSBLR11 |
| 10 | 1NO–1NC | | 1 | XTCEXSCR11 |

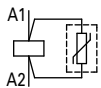
Notes

- ① Orders must be placed in multiples of package quantity listed.
- ② 1 early-make contact (1NO_E), 1 late-break contact (1NC_L).
- ③ To avoid duplicate terminal numbers in contact sequence, the XTCEXSCN11 should be used with Frame D when a top mount auxiliary is also installed.
- ④ For replacement only. XTCEXSBR11 and XTCEXSBLR11 cannot be added onto side mount auxiliaries that come with the Frames L–R contactors as standard. To add auxiliaries onto the included side auxiliaries on Frames L–R contactors, use XTCEXSCR11.

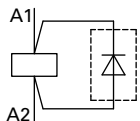
Suppressors

The switching of contactor coils can generate voltage transients that may cause arcing on switch contacts and/or damage electronics on the control line. Either an RC or varistor suppressor is recommended in these types of applications. All **XT** DC contactor coils have built-in suppression.

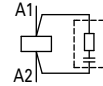
Varistor suppressors clamp the voltage transient above the maximum coil voltage and are recommended when the level of the transient is known to not exceed the coil voltage. RC suppressors slow and reduce the level of the voltage transient but do not clamp them at a specific level. The slowing of the transient can reduce electrical interference. These are recommended in applications where operating rates are high.

XTCEXVS_**Contact Sequence****Varistor Suppressor** ①②

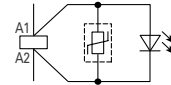
| Voltage | For Use with... | Pkg. Qty. ③ | Catalog Number |
|---------|-----------------------|-------------|-------------------|
| 24–48 | XTCE007B– | 10 | XTCEXVSBW |
| 48–130 | XTCE015B, XTCF020B | 10 | XTCEXVSB A |
| 130–240 | | 10 | XTCEXVSB B |
| 240–500 | | 10 | XTCEXVSB C |
| 24–48 | XTCE018C– | 10 | XTCEXVSCW |
| 48–130 | XTCE032C | 10 | XTCEXVSC A |
| 130–240 | | 10 | XTCEXVSC B |
| 240–500 | | 10 | XTCEXVSC C |
| 24–48 | XTCE040D– | 10 | XTCEXVSFW |
| 48–130 | XTCE095F | 10 | XTCEXVSFA |
| 130–240 | | 10 | XTCEXVSFB |
| 240–500 | | 10 | XTCEXVSFC |

XTCEXDSB**Contact Sequence****Free-Wheel Diode Suppressor** ④

| Voltage DC | For Use with... | Pkg. Qty. ③ | Catalog Number |
|------------|------------------------------------|-------------|-----------------|
| 12–250 | XTCE007B– XTCE015B, XTCF020B | 10 | XTCEXDSB |

XTCEXRS_**Contact Sequence****RC Suppressor** ①②

| Voltage | For Use with... | Pkg. Qty. ③ | Catalog Number |
|---------|-----------------------|-------------|------------------|
| 24–48 | XTCE007B– | 10 | XTCEXRSBW |
| 48–130 | XTCE015B, XTCF020B | 10 | XTCEXRSBA |
| 110–240 | | 10 | XTCEXRSBB |
| 240–500 | | 10 | XTCEXRSBC |
| 24–48 | XTCE018C– | 10 | XTCEXRSBW |
| 110–130 | XTCE032C | 10 | XTCEXRSBA |
| 130–240 | | 10 | XTCEXRSBB |
| 240–500 | | 10 | XTCEXRSBC |
| 24–48 | XTCE040D– | 10 | XTCEXRSFW |
| 110–130 | XTCE095F | 10 | XTCEXRSFA |
| 130–240 | | 10 | XTCEXRSFB |
| 240–500 | | 10 | XTCEXRSFC |

XTCEXVSL_**Contact Sequence****Varistor Suppressor with Integrated LED** ①②

| Voltage AC | For Use with... | Pkg. Qty. ③ | Catalog Number |
|------------|-----------------|-------------|-------------------|
| 24–48 | XTCE007B– | 10 | XTCEXVSLBW |
| 130–240 | XTCE015B | 10 | XTCEXVSLBB |
| 24–48 | XTCE018C– | 10 | XTCEXVSLCW |
| 130–240 | XTCE032C | 10 | XTCEXVSLCB |
| 24–48 | XTCE040D– | 10 | XTCEXVSLFW |
| 130–240 | XTCE095F | 10 | XTCEXVSLFB |

Notes

- ① Note dropout delay.
- ② For AC operated contactors, 50–60 Hz. DC operated contactors and XTCE115G_ to XTCE170G_ have a built-in suppressor circuit.
- ③ Orders must be placed in multiples of package quantity listed.
- ④ In addition to the built-in suppressor circuit for DC actuated contactors. Prevents negative breaking voltage when contactors are used in combination with a safety PLC.

Electronic Timer Modules

Frames B–C Contactors (7–32A) ^①

XTCEXTE_



| Voltage | Contact Sequence | Timing Range | For Use with... | Pkg. Qty. ^② | Catalog Number | |
|------------------------|---|--------------|------------------------------------|------------------------|----------------|-----------------|
| On-Delay | | | | | | |
| 24 Vac/Vdc | A1 | 57 65 | 0.05s–1s | XTCE...B_ | 1 | XTCEXTEEC11T |
| 100–130 Vac | A2 | 58 66 | 0.5s–10s | XTCE...C_ | 1 | XTCEXTEEC11A |
| 200–240 Vac | | | 5s–100s | | 1 | XTCEXTEEC11B |
| Off-Delay | | | | | | |
| 24 Vac/Vdc | A1 | 57 65 | 0.05s–1s | XTCE...B_ | 1 | XTCEXTED1C11T |
| 100–130 Vac | A2 | 58 66 | | XTCE...C_ | 1 | XTCEXTED1C11A |
| 200–230 Vac | | | | | 1 | XTCEXTED1C11B |
| 24 Vac/Vdc | A1 | 57 65 | 0.5s–10s | XTCE...B_ | 1 | XTCEXTED10C11T |
| 100–130 Vac | A2 | 58 66 | | XTCE...C_ | 1 | XTCEXTED10C11A |
| 200–240 Vac | | | | | 1 | XTCEXTED10C11B |
| 24 Vac/Vdc | A1 | 57 65 | 5s–100s | XTCE...B_ | 1 | XTCEXTED100C11T |
| 100–130 Vac | A2 | 58 66 | | XTCE...C_ | 1 | XTCEXTED100C11A |
| 200–240 Vac | | | | | 1 | XTCEXTED100C11B |
| Star-Delta | | | | | | |
| 24 Vac/Vdc | A1 | 57 67 | 1s–30s | XTCE...B_ | 1 | XTCEXTEYC20T |
| 100–130 Vac | A2 | 58 68 | | XTCE...C_ | 1 | XTCEXTEYC20A |
| 200–240 Vac | | | | | 1 | XTCEXTEYC20B |
| Sealable Shroud | | | | | | |
| — | Transparent sealable shroud used to protect electronic timer modules from unwanted access | | XTCEXTEE, XTCEXTED, XTCEXTEY | 1 | XTCEXTESHRD | |

XTCEXTESHRD







Notes



- ① Front (top) mounted timer modules for use with XTCE...B and XTCE...C contactors. Cannot be combined with top-mount auxiliary contacts, XTCEXF...C_.
- ② Orders must be placed in multiples of package quantity listed.

Additional Accessories

Mechanical Interlock ^①


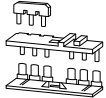
| | For Use with... | Pkg. Qty. ^② | Catalog Number |
|---|---|------------------------|------------------------------|
|  | XTCE007B–XTCE015B, XTCF020B | 5 | XTCEXMLB |
|  | XTCE018C–XTCE032C, XTCF032C–XTCF045C | 1 | XTCEXMLC |
| | XTCE040D–XTCE072D, XTCF063D–XTCF080D | 1 | XTCEXMLD |
| | XTCE080F–XTCE170G, XTCF125G–XTCF200G | 1 | XTCEXMLG ^③ |
|  | XTCE185H–XTCE570M | 1 | XTCEXMLM |
|  | XTCE580N–XTCEC10N | 1 | XTCEXMLN ^③ |

Reversing Link Kits

| | For Use with... | Pkg. Qty. ^② | Catalog Number |
|---|-------------------|------------------------|------------------------------|
|  | XTCE007B–XTCE015B | 1 | XTCEXRLB ^④ |
|  | XTCE018C–XTCE032C | 1 | XTCEXRLC |
| | XTCE040D–XTCE065D | 1 | XTCEXRLD |
| | XTCE080F–XTCE150G | 1 | XTCEXRLG |



Main current wiring for reversing combinations. Includes paralleling bridge and reversing bridge. Does not include mechanical interlock, see table on this page.

Star-Delta (Wye-Delta) Link Kits

| | For Use with... | Pkg. Qty. ^② | Catalog Number |
|---|-------------------|------------------------|-------------------------------|
|  | XTCE007B–XTCE015B | 1 | XTCEXSDLB ^③ |
|  | XTCE018C–XTCE032C | 1 | XTCEXSDLC |
| | XTCE040D–XTCE072D | 1 | XTCEXSDLD |
| | XTCE080F–XTCE095F | 1 | XTCEXSDLF |
| | XTCE115G–XTCE150G | 1 | XTCEXSDLG |



Main current wiring for star-delta (wye-delta) combinations. Includes paralleling bridge, reversing bridge and star-delta bridge. Does not include mechanical interlock, see table on this page.

Paralleling Bridge

| | For Use with... | Pkg. Qty. ^② | Catalog Number |
|---|-------------------|------------------------|-----------------|
|  | XTCE007B–XTCE015B | 20 | XTCEXPBB |
|  | XTCE018C–XTCE032C | 20 | XTCEXPBC |

Component part of reversing link kit (XTCEXRL_). Parallels the phases on the line-side of two contactors.

Reversing Bridge

| | For Use with... | Pkg. Qty. ^② | Catalog Number |
|---|-------------------|------------------------|-----------------|
|  | XTCE007B–XTCE015B | 20 | XTCEXRBB |
|  | XTCE018C–XTCE032C | 20 | XTCEXRBC |
| | XTCE040D–XTCE065D | 10 | XTCEXRBD |

Component part of reversing link kit (XTCEXRL_). Reverses the phases on the load-side of two contactors.

Notes

- ① For two contactors with AC or DC operated magnet system which are horizontally or vertically mounted. For Frames B–G, mechanical lifespan is 2.5×10^6 operations and the distance between contactors is 0 mm. For Frames L–N, mechanical lifespan is 5×10^6 operations and no auxiliary contact can be mounted between the mechanical interlock and the contactor—the distance between contactors is 15 mm.
- ② Orders must be placed in multiples of package quantity listed.
- ③ XTCEXMLG and XTCEXMLN consist of an interlock element and mounting plate.
- ④ Also includes interlocking bridge (XTCEXLB). The following control cables are integrated for electrical interlock: K1M: A1–K2M: 21; K1M: 21–K2M: A1; K1M: A2–K2M: A2.

Electrical Interlocking Bridge

| For Use with... | Pkg. Qty. ① | Catalog Number |
|-------------------|-------------|-----------------|
| XTCE007B–XTCE015B | 20 | XTCEXLBB |

Star-Delta (Wye-Delta) Bridge

XTCEXSDB



| For Use with... | Pkg. Qty. ① | Catalog Number |
|-------------------|-------------|--------------------|
| XTCE007B–XTCE015B | 20 | XTCEXSDBB ② |
| XTCE080F–XTCE170G | 1 | XTCEXSDBG |
| XTCE185L–XTCE400M | 1 | XTCEXSDB400 |
| XTCE500M | 1 | XTCEXSDB500 |



Component part of star-delta link kit (XTCEXSDL_). Commons the three phases on the line side of shorting contactor.

Connector

XTCEXCNC



| For Use with... | Pkg. Qty. ① | Catalog Number |
|-------------------|-------------|-----------------|
| XTCE007B–XTCE032C | 50 | XTCEXCNC |

XTCEXCNG



| For Use with... | Pkg. Qty. ① | Catalog Number |
|-------------------|-------------|-----------------|
| XTCE040D–XTCE170G | 10 | XTCEXCNG |

Parallel Link ④⑤⑥

XTCEXPLKB



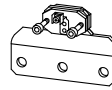
| For Use with... | Pkg. Qty. ① | Catalog Number |
|-------------------|-------------|------------------|
| XTCE007B–XTCE015B | 5 | XTCEXPLKB |

XTCEXPLK_



| For Use with... | Pkg. Qty. ① | Catalog Number |
|-------------------|-------------|------------------|
| XTCE018C–XTCE032C | 5 | XTCEXPLKC |
| XTCE040D–XTCE072D | 1 | XTCEXPLKD |
| XTCE080F–XTCE170G | 1 | XTCEXPLKG |

XTCEXPLKL185



| For Use with... | Pkg. Qty. ① | Catalog Number |
|-----------------|-------------|---------------------|
| XTCE185L | 1 | XTCEXPLKL185 |

For using one contactor per phase. Each package comes with two links for line: load.

Terminal Lug Assembly

XTCEXTLA400



| For Use with... | Pkg. Qty. ① | Catalog Number |
|---|-------------|---------------------|
| XTCE185–XTCE225H | 1 | XTCEXTLA225A |
| XTCS250L–XTCS400M, XTCE250L_–XTCE400M_ | 2 | XTCEXTLA400 |

For connection of: round conductor, flexible and stranded, flat strip conductor, with control circuit terminal. See **Page V5-T1-97** for terminal capacities.

Contactor Labels

XGKE-GE



| For Use with... | Pkg. Qty. ① | Catalog Number |
|-----------------|-------------|------------------|
| XTC... | 25 | XGKE-GE ② |

Notes

- ① Orders must be placed in multiples of package quantity listed.
- ② Frame B is toolless connection type.
- ③ For mechanically arranging contactors in combinations. Distance between contactors is 0 mm.
- ④ Fourth pole can be broken off: four-pole: I_{th} = 60A; three-pole: I_{th} = 50A.
- ⑤ AC-1 current carrying capacity of the contactor increases by a factor of 2.5. For XTCEXPLKL185, one shroud is included for protection against accidental contact.
- ⑥ Protected against accidental contact in accordance with IEC 536.
- ⑦ Quantity 1 equals one sheet. One sheet contains 240 labels.

CI-K Basic Enclosures

CI-K Basic Enclosures ^{①②}

Dimensions in Inches (mm)

| Width | Height | External Depth | Internal Depth | Internal Mounting Type | Pkg. Qty. | Catalog Number |
|--------------|---------------|----------------|----------------|------------------------|-----------|--------------------------------------|
| 3.94 (100.0) | 6.30 (160.0) | 3.94 (100.0) | 2.87 (73.0) | With mounting rail | 1 | CI-K2X-100-TS-NA ^③ |
| | | | 3.11 (79.0) | With mounting plate | | CI-K2X-100-M-NA ^③ |
| | | | 5.71 (145.0) | With mounting rail | | CI-K2X-145-TS-NA ^③ |
| | | | 4.88 (124.0) | With mounting plate | | CI-K2X-145-M-NA ^③ |
| 4.72 (120.0) | 7.87 (200.0) | 4.92 (125.0) | 3.66 (93.0) | With mounting rail | 1 | CI-K3X-125-TS-NA ^④ |
| | | | 3.86 (98.0) | With mounting plate | | CI-K3X-125-M-NA ^④ |
| | | | 6.30 (160.0) | With mounting rail | | CI-K3X-160-TS-NA ^④ |
| | | | 5.24 (133.0) | With mounting plate | | CI-K3X-160-M-NA ^④ |
| 6.30 (160.0) | 9.45 (240.0) | 6.30 (160.0) | 5.04 (128.0) | With mounting rail | 1 | CI-K4X-160-TS-NA ^④ |
| | | | 5.24 (133.0) | With mounting plate | | CI-K4X-160-M-NA ^④ |
| 7.87 (200.0) | 11.02 (280.0) | 6.30 (160.0) | 5.04 (128.0) | With mounting rail | 1 | CI-K5X-160-TS-NA ^④ |
| | | | 5.24 (133.0) | With mounting plate | | CI-K5X-160-M-NA ^④ |

XTCEXCN_

Terminal Lug Kit—Set of Three Lugs



| For Use with... | Description | Pkg. Qty. ^⑤ | Catalog Number |
|--------------------|-----------------------------------|------------------------|-------------------|
| XTCE500M, XTCE570M | #4-500 kcmil two-phase Cu/Al 500A | 1 | XTCEXTL500 |

XTCEXTFB6_

Terminal Flat Bar ^⑥

| For Use with... | Pkg. Qty. ^⑤ | Catalog Number |
|-------------------|------------------------|--------------------|
| XTCE500M–XTCE570M | 1 | XTCEXTFB650 |
| XTCE750N–XTCE820N | 1 | XTCEXTFB820 |

For connection of a flat strip conductor. Comes with control circuit terminal (consisting of three flat strip conductor terminals).

XTCEXTS_

Terminal Shroud



| For Use with... | Pkg. Qty. ^⑤ | Catalog Number |
|-------------------|------------------------|-------------------|
| XTCE185H–XTCE225H | 1 | XTCEXTS225 |
| XTCE250L–XTCE400M | 1 | XTCEXTS400 |
| XTCE500M–XTCE570M | 1 | XTCEXTS500 |
| XTCE580N–XTCE650N | 1 | XTCEXTS650 |
| XTCE750N–XTCEC10N | 1 | XTCEXTS820 |

Protection against direct contact with connection lugs when touched vertically from the front.

Notes

- ① Enclosure base RAL 9005, black/enclosure top only RAL 7035, light gray.
- ② Degree of protection—IEC: IP65; UL/CSA: Type 1, 3R, 4X, 12, 13—indoor and outdoor use.
- ③ CI-K2X_: 4 x 1/2 inch knockouts.
- ④ CI-K3X_, CI-K4X_, CI-K5X_: Smooth overall with sharp corners.
- ⑤ Orders must be placed in multiples of package quantity listed.
- ⑥ Not UL listed.

Renewal Parts

XTCERENC_



Replacement Coil—Frame C

| Voltage | Coil Suffix | Catalog Number |
|---------------|-------------|----------------|
| 110/50 120/60 | A | XTCERENCOILCA |
| 110–130 Vdc | AD | XTCERENCOILCAD |
| 220/50 240/60 | B | XTCERENCOILCB |
| 200–240 Vdc | BD | XTCERENCOILCBD |
| 415/50 480/60 | C | XTCERENCOILCC |
| 600/60 | D | XTCERENCOILCD |
| 208/60 | E | XTCERENCOILCE |
| 230/50 | F | XTCERENCOILCF |
| 190/50 220/60 | G | XTCERENCOILCG |
| 240/50 277/60 | H | XTCERENCOILCH |
| 380/50 440/60 | L | XTCERENCOILCL |
| 400/50 | N | XTCERENCOILCN |
| 380/60 | P | XTCERENCOILCP |
| 12/50 12/60 | R | XTCERENCOILCR |
| 12–14 Vdc | RD | XTCERENCOILCRD |
| 24/50 24/60 | T | XTCERENCOILCT |
| 24–27 Vdc | TD | XTCERENCOILCTD |
| 42/50 48/60 | W | XTCERENCOILCW |
| 48–60 Vdc | WD | XTCERENCOILCWD |
| 48/50 | Y | XTCERENCOILCY |

Replacement Coil—Frame D

| Voltage | Coil Suffix | Catalog Number |
|---------------|-------------|----------------|
| 110/50 120/60 | A | XTCERENCOILDA |
| 110–130 Vdc | AD | XTCERENCOILDAD |
| 220/50 240/60 | B | XTCERENCOILDB |
| 200–240 Vdc | BD | XTCERENCOILDBD |
| 415/50 480/60 | C | XTCERENCOILDC |
| 600/60 | D | XTCERENCOILDD |
| 208/60 | E | XTCERENCOILDE |
| 230/50 | F | XTCERENCOILDF |
| 190/50 220/60 | G | XTCERENCOILDG |
| 240/50 277/60 | H | XTCERENCOILDH |
| 380/50 440/60 | L | XTCERENCOILDL |
| 400/50 | N | XTCERENCOILDN |
| 380/60 | P | XTCERENCOILD P |
| 12/50 12/60 | R | XTCERENCOILDR |
| 12–14 Vdc | RD | XTCERENCOILDRD |
| 24/50 24/60 | T | XTCERENCOILDT |
| 24–27 Vdc | TD | XTCERENCOILDTD |
| 42/50 48/60 | W | XTCERENCOILDW |
| 48–60 Vdc | WD | XTCERENCOILDWD |
| 48/50 | Y | XTCERENCOILDY |

Replacement Coil—Frame F ①

| Voltage | Coil Suffix | Catalog Number |
|---------------|-------------|----------------|
| 110/50 120/60 | A | XTCERENCOILFA |
| 110–130 Vdc | AD | XTCERENCOILFAD |
| 220/50 240/60 | B | XTCERENCOILFB |
| 200–240 Vdc | BD | XTCERENCOILFBD |
| 415/50 480/60 | C | XTCERENCOILFC |
| 600/60 | D | XTCERENCOILFD |
| 208/60 | E | XTCERENCOILFE |
| 230/50 | F | XTCERENCOILFF |
| 190/50 220/60 | G | XTCERENCOILFG |
| 240/50 277/60 | H | XTCERENCOILFH |
| 380/50 440/60 | L | XTCERENCOILFL |
| 400/50 | N | XTCERENCOILFN |
| 380/60 | P | XTCERENCOILFP |
| 12/50 12/60 | R | XTCERENCOILFR |
| 24/50 24/60 | T | XTCERENCOILFT |
| 24–27 Vdc | TD | XTCERENCOILFTD |
| 42/50 48/60 | W | XTCERENCOILFW |
| 48–60 Vdc | WD | XTCERENCOILFWD |
| 48/50 | Y | XTCERENCOILFY |

Replacement Coil—Frame G ②

| Voltage | Coil Suffix | Catalog Number |
|----------------|-------------|----------------|
| 100–120V 50/60 | A | XTCERENCOILGA |
| 110–130 Vdc | AD | XTCERENCOILGAD |
| 190–240V 50/60 | B | XTCERENCOILGB |
| 200–240 Vdc | BD | XTCERENCOILGBD |
| 480–500V 50/60 | C | XTCERENCOILGC |
| 380–440V 50/60 | L | XTCERENCOILGL |
| 4/50 24/60 | T | XTCERENCOILGT |
| 24–27 Vdc | TD | XTCERENCOILGTD |
| 42–48V 50/60 | W | XTCERENCOILGW |
| 48–60 Vdc | WD | XTCERENCOILGWD |

Notes

- ① Frame F replacement coils can only be used with contactors having the following date codes: DC coils, 2706 or later; AC coils, 4706 or later.
- ② Frame G replacement coils can only be used with contactors having date codes of 2706 or later.

Replacement Coil—Frame H

| Voltage | Coil Suffix | Catalog Number |
|-------------------|-------------|----------------|
| 100–120V 50/60 Hz | A | XTCERENCOILHA |
| 190–240V 50/60 Hz | B | XTCERENCOILHB |
| 480–500V 50/60 Hz | C | XTCERENCOILHC |
| 380–440V 50/60 Hz | L | XTCERENCOILHL |
| 24V 50/60Hz | T | XTCERENCOILHT |
| 42–48V 50/60Hz | W | XTCERENCOILHW |
| 110–130 Vdc | AD | XTCERENCOILHAD |
| 200–240 Vdc | BD | XTCERENCOILHBD |
| 24–27 Vdc | TD | XTCERENCOILHTD |
| 48–60 Vdc | WD | XTCERENCOILHWD |

Replacement Coil—Frame L ^①

| Voltage | Coil Suffix | Catalog Number |
|-----------------|-------------|----------------|
| 110–250 Vac/Vdc | A | XTCERENCOILLA |
| 250–500V 40–60 | C | XTCERENCOILLC |
| 24–48 Vdc | TD | XTCERENCOILLTD |
| 48–110 Vac/Vdc | Y | XTCERENCOILLY |

Replacement Coil—Frame L, S-Series

| Voltage | Coil Suffix | Catalog Number |
|-------------------|-------------|----------------|
| 110–120V 50/60 Hz | A | XTCSRENCOILLA |
| 220–240V 50/60 Hz | B | XTCSRENCOILLB |

Replacement Coil—Frame M ^①

| Voltage | Coil Suffix | Catalog Number |
|-----------------|-------------|----------------|
| 110–250 Vac/Vdc | A | XTCERENCOILMA |
| 250–500V 40–60 | C | XTCERENCOILMC |
| 24–48 Vdc | TD | XTCERENCOILMTD |
| 48–110 Vac/Vdc | Y | XTCERENCOILMY |

Replacement Coil—Frame M, S-Series

| Voltage | Coil Suffix | Catalog Number |
|-------------------|-------------|----------------|
| 110–120V 50/60 Hz | A | XTCSRENCOILMA |
| 220–240V 50/60 Hz | B | XTCSRENCOILMB |

Replacement Coil—Frame N ^①

| Voltage | Coil Suffix | Catalog Number |
|-----------------|-------------|----------------|
| 110–250 Vac/Vdc | A | XTCERENCOILNA |
| 250–500V 40–60 | C | XTCERENCOILNC |
| 48–110 Vac/Vdc | Y | XTCERENCOILNY |

Replacement Contact Kit

| For Use with... | Catalog Number |
|-------------------|--------------------|
| XTCE040D–XTCE065D | XTCERENCONTACTD |
| XTCE085F–XTCE095F | XTCERENCONTACTF |
| XTCE115G–XTCE150G | XTCERENCONTACTG |
| XTCE185H–XTCE225H | XTCERENCONTACTH |
| XTCE250L–XTCE300L | XTCERENCONTACTL |
| XTCE300M | XTCERENCONTACTM300 |
| XTCE400M | XTCERENCONTACTM400 |
| XTCE500M | XTCERENCONTACTM500 |

Replacement Vacuum Tube Assembly

| For Use with... | Catalog Number |
|-----------------|----------------|
| XTCE580N | XTCERENVACT580 |
| XTCE650N | XTCERENVACT650 |
| XTCE750N | XTCERENVACT750 |
| XTCE820N | XTCERENVACT820 |

Replacement Arc Chamber

| For Use with... | Catalog Number |
|-------------------|----------------|
| XTCE250L | XTCERENARC250 |
| XTCE300M | XTCERENARC300 |
| XTCE400M | XTCERENARC400 |
| XTCE500M–XTCE570M | XTCERENARC500 |

Note

^① Electronic modules including coils.