Suppressors

The switching of contactor coils can generate voltage transients that may cause arching 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 Space-Savings DC contactor coils have built-in suppression.

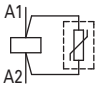
Varistor suppressors clamp the voltage transient above the maximum coil voltage and are recommended when the level of the transient is known to not exceed the coil voltage. RC suppressors slow and reduce the level of the voltage transient but do not clamp them at a specific level. The slowing of the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

XTCEXVS_

Varistor Suppressor ①②

Voltage	For Use with…	Pkg. Qty. ③	Catalog Number
48–130	CN13BN0_ CN13CN0_	10	**XTCEXVSCA**
48–130	CN13GN0_	10	**XTCEXVSFA**

Contact Sequence

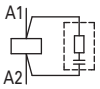


XTCEXRS_

RC Suppressor ①②

Voltage	For Use with…	Pkg. Qty. ③	Catalog Number
24–48	CN13GN0_	—	**XTCEXRSFW**
110–130		—	**XTCEXRSFA**

Contact Sequence

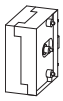


Additional Accessories

Mechanical Interlock ⑤

XTCEXML_

XTCEXMLM



For Use with…	Pkg. Qty. ③	Catalog Number
CN13BN0_, CN13CN0_	1	**XTCEXMLC**
CN13GN0_	1	**XTCEXMLD**
CN13KN0_, CN13MN0_	1	**XTCEXMLG** ⑥
CN13SN0_	1	**XTCEXMLM**

XTCEXRL_

Reversing Link Kits

For Use with…	Pkg. Qty. ③	Catalog Number
CN13BN0_, CN13CN0_	1	**XTCEXRLC**
CN13GN0_	1	**XTCEXRLD**
CN13KN0_, CN13MN0_	1	**XTCEXRLG**

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

XTCEXTLA400

Terminal Lug Assembly

For Use with…	Pkg. Qty. ③	Catalog Number
CN13SN0_	1	**XTCEXTLA400**

For connection of: round conductor, flexible and stranded, flat strip conductor, with control circuit terminal. See **Page V5-T2-73** for terminal capacities.

XTCEXTS_

Terminal Shroud

For Use with…	Pkg. Qty. ③	Catalog Number
CN13SN0_	1	**XTCEXTS400**

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

Notes

① Note dropout delay.
② For AC operated contactors, 50–60 Hz. Sizes 0–5 DC operated contactors and Size 5 AC operated contactors 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.
⑤ For two contactors with AC or DC operated magnet system which are horizontally or vertically mounted. For Sizes 0–4, mechanical lifespan is 2.5 x 10^6 operations and the distance between contactors is 0 mm. For Size 5, mechanical lifespan is 5 x 10^6 operations and no auxiliary contact can be mounted between the mechanical interlock and the contactor—the distance between contactors is 15 mm.
⑥ XTCEXMLG and XTCEXMLN consist of an interlock element and mounting plate.