

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 a 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.

RC Suppressor ^{①②}



Table 79. RC Suppressor

Voltage	For Use with...	Pkg. Qty.	Catalog Number	Price U.S. \$ ^③
24 - 48	XTCE007B - XTCE015B, XTCF020B	10	XTCEXRSBW	53.50
48 - 130		10	XTCEXRSBA	53.50
110 - 240		10	XTCEXRSBB	53.50
240 - 500		10	XTCEXRSBC	53.50
24 - 48	XTCE018C - XTCE032C	10	XTCEXRSCW	60.00
110 - 130		10	XTCEXRSCA	60.00
130 - 240		10	XTCEXRSCB	60.00
240 - 500		10	XTCEXRSCC	72.50
24 - 48	XTCE040D - XTCE095F	10	XTCEXRSFW	72.50
110 - 130		10	XTCEXRSFA	72.50
130 - 240		10	XTCEXRSFB	72.50
240 - 500		10	XTCEXRSFC	77.00

- ① Note drop-out delay.
- ② For AC operated contactors, 50 - 60 Hz. DC operated contactors and XTCE165G_ and XTCE150G_ have a built-in suppressor circuit.
- ③ Price listed is for a quantity of one (1). Orders must be placed in multiples of package quantity listed.

Varistor Suppressor ^{④⑤}



Table 80. Varistor Suppressor

Voltage	For Use with...	Pkg. Qty.	Catalog Number	Price U.S. \$ ^⑥
24 - 48	XTCE007B - XTCE015B, XTCF020B	10	XTCEXVSBW	53.50
48 - 130		10	XTCEXVSBA	53.50
130 - 240		10	XTCEXVSBB	53.50
240 - 500		10	XTCEXVSBC	53.50
24 - 48	XTCE018C - XTCE032C	10	XTCEXVSCW	60.00
48 - 130		10	XTCEXVSCA	60.00
130 - 240		10	XTCEXVSCB	60.00
240 - 500		10	XTCEXVSCC	72.50
24 - 48	XTCE040D - XTCE095F	10	XTCEXVSFW	72.50
48 - 130		10	XTCEXVSFA	72.50
130 - 240		10	XTCEXVSFB	72.50
240 - 500		10	XTCEXVSFC	77.00

- ④ Note drop-out delay.
- ⑤ For AC operated contactors, 50/60 Hz. DC operated contactors have a built-in suppressor.
- ⑥ Price listed is for a quantity of one (1). Orders must be placed in multiples of package quantity listed.

Varistor Suppressor with Integrated LED ^{⑦⑧}

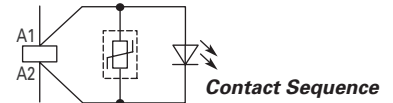


Table 81. Varistor Suppressor

Voltage AC	For Use with...	Pkg. Qty.	Catalog Number	Price U.S. \$ ^⑨
24 - 48	XTCE007B - XTCE015B	10	XTCEXVSLBW	59.00
130 - 240		10	XTCEXVSLBB	59.00
24 - 48	XTCE018C - XTCE032C	10	XTCEXVSLCW	65.00
130 - 240		10	XTCEXVSLCB	65.00
24 - 48	XTCE040D - XTCE095F	10	XTCEXVSLFW	78.00
130 - 240		10	XTCEXVSLFB	78.00

- ⑦ Note drop-out delay.
- ⑧ For AC operated contactors, 50/60 Hz. DC operated contactors have an integrated suppressor.
- ⑨ Price listed is for a quantity of one (1). Orders must be placed in multiples of package quantity listed.

Free-Wheel Diode Suppressor ^⑩

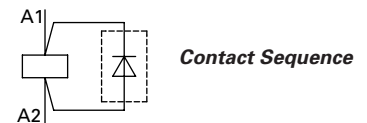


Table 82. Free-Wheel Diode Suppressor

Voltage DC	For Use with...	Pkg. Qty.	Catalog Number	Price U.S. \$ ^⑪
12 - 250	XTCE007B - XTCE015B, XTCF020B	10	XTCEXDSB	53.50

- ⑩ 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.
- ⑪ Price listed is for a quantity of one (1). Orders must be placed in multiples of package quantity listed.

Voltage Indicator



Table 83. Voltage Indicator

Voltage DC	For Use with...	Pkg. Qty.	Catalog Number	Price U.S. \$ ^⑫
12 - 48	XTCE007B - XTCE015B, XTCF020B	10	XTCEXVIBW	42.75
48 - 130		10	XTCEXVIBA	42.75
110 - 250		10	XTCEXVIBB	42.75
24 - 48	XTCE018C - XTCE032C	10	XTCEXVICW	49.00
48 - 130		10	XTCEXVICA	49.00
130 - 250		10	XTCEXVICB	49.00
42 - 48	DC operated: XTCE040D - XTCE095F	10	XTCEXVIGW	52.50
48 - 130		10	XTCEXVIGA	52.50
130 - 250		10	XTCEXVIGB	52.50
	AC/DC operated: XTCE115G - XTCE150G			

- ⑫ Price listed is for a quantity of one (1). Orders must be placed in multiples of package quantity listed.

Suppressors

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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.

RC Suppressor ①②



Table 79. RC Suppressor

Voltage	For Use with...	Pkg. Qty.	Catalog Number	Price U.S. \$ ③
24 - 48	XTCE007B - XTCE015B, XTCF020B	10	XTCEXRSBW	53.50
48 - 130		10	XTCEXRSBA	53.50
110 - 240		10	XTCEXRSBB	53.50
240 - 500		10	XTCEXRSBC	53.50
24 - 48	XTCE018C - XTCE032C	10	XTCEXRSCW	60.00
110 - 130		10	XTCEXRSCA	60.00
130 - 240		10	XTCEXRSCB	60.00
240 - 500		10	XTCEXRSCC	72.50
24 - 48	XTCE040D - XTCE095F	10	XTCEXRSFW	72.50
110 - 130		10	XTCEXRSFA	72.50
130 - 240		10	XTCEXRSFB	72.50
240 - 500		10	XTCEXRSFC	77.00

- ① Note drop-out delay.
- ② For AC operated contactors, 50 - 60 Hz. DC operated contactors and XTCE165G_ and XTCE150G_ have a built-in suppressor circuit.
- ③ Price listed is for a quantity of one (1). Orders must be placed in multiples of package quantity listed.

Varistor Suppressor ④⑤



Table 80. Varistor Suppressor

Voltage	For Use with...	Pkg. Qty.	Catalog Number	Price U.S. \$ ⑥
24 - 48	XTCE007B - XTCE015B, XTCF020B	10	XTCEXVSBW	53.50
48 - 130		10	XTCEXVSBA	53.50
130 - 240		10	XTCEXVSBB	53.50
240 - 500		10	XTCEXVSBC	53.50
24 - 48	XTCE018C - XTCE032C	10	XTCEXVSCW	60.00
48 - 130		10	XTCEXVSCA	60.00
130 - 240		10	XTCEXVSCB	60.00
240 - 500		10	XTCEXVSCC	72.50
24 - 48	XTCE040D - XTCE095F	10	XTCEXVSFW	72.50
48 - 130		10	XTCEXVSFA	72.50
130 - 240		10	XTCEXVSFB	72.50
240 - 500		10	XTCEXVSFC	77.00

- ④ Note drop-out delay.
- ⑤ For AC operated contactors, 50/60 Hz. DC operated contactors have a built-in suppressor.
- ⑥ Price listed is for a quantity of one (1). Orders must be placed in multiples of package quantity listed.

Varistor Suppressor with Integrated LED ⑦⑧

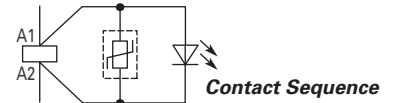


Table 81. Varistor Suppressor

Voltage AC	For Use with...	Pkg. Qty.	Catalog Number	Price U.S. \$ ⑨
24 - 48	XTCE007B - XTCE015B	10	XTCEXVSLBW	59.00
130 - 240		10	XTCEXVSLBB	59.00
24 - 48	XTCE018C - XTCE032C	10	XTCEXVSLCW	65.00
130 - 240		10	XTCEXVSLCB	65.00
24 - 48	XTCE040D - XTCE095F	10	XTCEXVSLFW	78.00
130 - 240		10	XTCEXVSLFB	78.00

- ⑦ Note drop-out delay.
- ⑧ For AC operated contactors, 50/60 Hz. DC operated contactors have an integrated suppressor.
- ⑨ Price listed is for a quantity of one (1). Orders must be placed in multiples of package quantity listed.

Free-Wheel Diode Suppressor ⑩

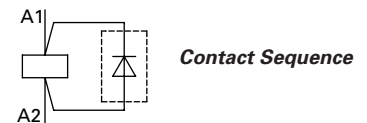


Table 82. Free-Wheel Diode Suppressor

Voltage DC	For Use with...	Pkg. Qty.	Catalog Number	Price U.S. \$ ⑪
12 - 250	XTCE007B - XTCE015B, XTCF020B	10	XTCEXDSB	53.50

- ⑩ 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.
- ⑪ Price listed is for a quantity of one (1). Orders must be placed in multiples of package quantity listed.

Voltage Indicator



Table 83. Voltage Indicator

Voltage DC	For Use with...	Pkg. Qty.	Catalog Number	Price U.S. \$ ⑫
12 - 48	XTCE007B - XTCE015B, XTCF020B	10	XTCEXVIBW	42.75
48 - 130		10	XTCEXVIBA	42.75
110 - 250		10	XTCEXVIBB	42.75
24 - 48	XTCE018C - XTCE032C	10	XTCEXVICW	49.00
48 - 130		10	XTCEXVICA	49.00
130 - 250		10	XTCEXVICB	49.00
42 - 48	DC operated: XTCE040D - XTCE095F	10	XTCEXVIGW	52.50
48 - 130		10	XTCEXVIGA	52.50
130 - 250		10	XTCEXVIGB	52.50
	AC/DC operated: XTCE115G - XTCE150G			

- ⑫ Price listed is for a quantity of one (1). Orders must be placed in multiples of package quantity listed.