

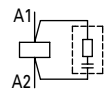
Contactors and Starters

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



Contact Sequence

Table B-75. RC Suppressor

Voltage	For Use with...	Pkg. Qty.	Catalogue Number	Price ③
24 – 48 48 – 130 110 – 240 240 – 500	XTCE007B – XTCE015B, XTCF020B	10 10 10 10	XTCEXRSBW XTCEXRSBA XTCEXRSBB XTCEXRSBC	
24 – 48 110 – 130 130 – 240 240 – 500	XTCE018C – XTCE032C	10 10 10 10	XTCEXRSCW XTCEXRSCA XTCEXRSCB XTCEXRSCC	
24 – 48 110 – 130 130 – 240 240 – 500	XTCE040D – XTCE095F	10 10 10 10	XTCEXRSCW XTCEXRSCA XTCEXRSCB XTCEXRSCC	

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

Varistor Suppressor ④⑤



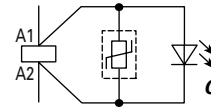
Contact Sequence

Table B-76. Varistor Suppressor

Voltage	For Use with...	Pkg. Qty.	Catalogue Number	Price ⑥
24 – 48 48 – 130 130 – 240 240 – 500	XTCE007B – XTCE015B, XTCF020B	10 10 10 10	XTCEXVSBW XTCEXVSBA XTCEXVSBB XTCEXVSBC	
24 – 48 48 – 130 130 – 240 240 – 500	XTCE018C – XTCE032C	10 10 10 10	XTCEXVSCW XTCEXVSCA XTCEXVSCB XTCEXVSCC	
24 – 48 48 – 130 130 – 240 240 – 500	XTCE040D – XTCE095F	10 10 10 10	XTCEXVSFW XTCEXVSFA XTCEXVSFB XTCEXVSFC	

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

Varistor Suppressor with Integrated LED ⑦⑧



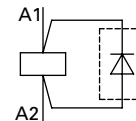
Contact Sequence

Table B-77. Varistor Suppressor

Voltage AC	For Use with...	Pkg. Qty.	Catalogue Number	Price ⑨
24 – 48 130 – 240	XTCE007B – XTCE015B	10 10	XTCEXVSLBW XTCEXVSLBB	
24 – 48 130 – 240	XTCE018C – XTCE032C	10 10	XTCEXVSLCW XTCEXVSLCB	
24 – 48 130 – 240	XTCE040D – XTCE095F	10 10	XTCEXVSLFW XTCEXVSLFB	

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

Free-Wheel Diode Suppressor ⑩



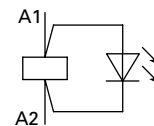
Contact Sequence

Table B-78. Free-Wheel Diode Suppressor

Voltage DC	For Use with...	Pkg. Qty.	Catalogue Number	Price ⑪
12 – 250	XTCE007B – XTCE015B, XTCF020B	10	XTCEXDSB	

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

Voltage Indicator



Contact Sequence

Table B-79. Voltage Indicator

Voltage DC	For Use with...	Pkg. Qty.	Catalogue Number	Price ⑫
12 – 48 48 – 130 110 – 250	XTCE007B – XTCE015B, XTCF020B	10 10 10	XTCEXVIBW XTCEXVIBA XTCEXVIBB	
24 – 48 48 – 130 130 – 250	XTCE018C – XTCE032C	10 10 10	XTCEXVICW XTCEXVICA XTCEXVICB	
42 – 48 48 – 130 130 – 250	DC operated: XTCE040D – XTCE095F AC/DC operated: XTCE115G – XTCE150G	10 10 10	XTCEXVIGW XTCEXVIGA XTCEXVIGB	

- ⑫ Orders must be placed in multiples of package quantity listed.