



**Important:** S&C Fault Fiter Electronic Power Fuse Control Modules must be selected by qualified persons who are knowledgeable in the subjects of equipment protection and time-current coordination, and who understand the consequences of improperly coordinated overcurrent

protective devices. Failure to achieve complete coordination between Fault Fiter Electronic Power Fuses and source-side or load-side protective devices may result in improper operation of one or more Fault Fiter Fuses.

TABLE I—Series Coordination of Time-Delayed Compound-Curve-Type Fault Fitters (TCC No. 421-7) with General-Purpose Current-Limiting Fuses Rated 5.5 kV

Control Module Catalog Number ↓	Maximum Load-Side Current-Limiting Fuse Ampere Rating for Complete Coordination								
	Combined Technologies (X-Limiter)	Cooper Power Systems			General Electric (EJO-1 Type 9F62)	Gould (Type CL-14)	Kearney		Westing-house (Type CLE)
		(Type NX)	(Type NXII)	(Type ELX)			(Type Q)	(Type B)	
Effective Date →	NA	June 1971	NA	NA	July 1982	Mar. 1985	NA	NA	Mar. 1977
7010-C40S1T3D8 7010-C40S1T6D8		50C			65E 65E	40E 40E			65E 65E
7010-C40S2T3D8 7010-C40S2T6D8	▲	50C	▲	▲	80E 80E	65E 65E	▲	▲	65E 65E
7010-C40S3T3D8 7010-C40S3T6D8		65C 65C			80E 80E	65E 80E			80E 80E
7010-C40S4T3D8 7010-C40S4T6D8		75C 75C			80E 80E	65E 80E			80E 80E
7010-C60S1T3D8 7010-C60S1T6D8		65C 65C			80E 80E	65E 80E			80E 80E
7010-C60S2T3D8 7010-C60S2T6D8	▲	65C 65C	▲	▲	100E 100E	65E 80E	▲	▲	80E 80E
7010-C60S3T3D8 7010-C60S3T6D8		75C 75C			100E 100E	65E 100E			100E 100E
7010-C60S4T3D8 7010-C60S4T6D8		100C★ 100C★			100E 125E	65E 100E			100E 100E
7010-C80S1T3D8 7010-C80S1T6D8		75C 75C			100E 100E	65E 100E			100E 100E
7010-C80S2T3D8 7010-C80S2T6D8	▲	75C 75C	▲	▲	100E 100E	65E 100E	▲	▲	100E 100E
7010-C80S3T3D8 7010-C80S3T6D8		100C★ 100C★			100E 125E	65E 100E			100E 100E
7010-C80S4T3D8 7010-C80S4T6D8		100C★ 130C★			100E 125E	65E 100E			100E 125E
7010-C110S1T3D8 7010-C110S1T6D8		100C★ 100C★			100E 125E	65E 100E			100E 100E
7010-C110S2T3D8 7010-C110S2T6D8	▲	100C★ 100C★	▲	▲	100E 125E	65E 100E	▲	▲	100E 125E
7010-C110S3T3D8 7010-C110S3T6D8		100C★ 130C★			100E 150E	65E 100E			100E 150E
7010-C110S4T3D8 7010-C110S4T6D8		100C★ 150C★			100E 150E	65E 100E			100E 150E

▲ Current-limiting fuses are not available in this voltage rating from this manufacturer.

★ Two fuses in parallel.



TABLE II—Series Coordination of Time-Delayed Compound-Curve-Type Fault Fitters (TCC No. 421-7) with General-Purpose Current-Limiting Fuses Rated 8.3 kV

Control Module Catalog Number ↓	Maximum Load-Side Current-Limiting Fuse Ampere Rating for Complete Coordination								
	Combined Technologies (X-Limiter)①	Cooper Power Systems			General Electric (EJO-1 Type 9F62)	Gould (Type CL-14)	Kearney		Westing- house (Type CLE)
		(Type NX)	(Type NXII)	(Type ELX)			(Type Q)	(Type B)	
Effective Date →	Feb. 1991 (Nov. 1987)	June 1971	May 1990	Feb. 1987	July 1982	NA	Mar. 1984	Sept. 1979	Mar. 1977
7010-C40S1T3D8	65 (50E)	50C	50	40	50E		50	50	50E
7010-C40S1T6D8	65 (50E)	50C	50	40	50E		50	50	50E
7010-C40S2T3D8	65 (50E)	50C	50	50	65E		65	50	50E
7010-C40S2T6D8	65 (50E)	50C	50	50	65E		65	50	50E
7010-C40S3T3D8	80 (65E)	50C	50	60★	80E	▲	65	50	65E
7010-C40S3T6D8	80 (65E)	50C	50	60★	80E		65	50	65E
7010-C40S4T3D8	80 (65E)	65C	50	80★	80E		80	65	80E
7010-C40S4T6D8	80 (65E)	65C	50	80★	80E		80	65	80E
7010-C60S1T3D8	65 (50E)	50C	50	50	80E		65	65	65E
7010-C60S1T6D8	65 (50E)	50C	50	50	80E		65	65	65E
7010-C60S2T3D8	80 (65E)	65C	50	60★	80E		80	80	65E
7010-C60S2T6D8	80 (65E)	65C	50	60★	80E		80	80	65E
7010-C60S3T3D8	80 (80E)	65C	50	80★	80E	▲	80	80	80E
7010-C60S3T6D8	100 (80E)	65C	50	80★	100E		100	80	80E
7010-C60S4T3D8	80 (80E)	80C	50	80★	80E		80	100	80E
7010-C60S4T6D8	125 (100E)	80C	50	100★	125E		100	100	100E
7010-C80S1T3D8	80 (65E)	65C	50	50	80E		80	100	80E
7010-C80S1T6D8	80 (65E)	65C	50	50	80E		80	100	80E
7010-C80S2T3D8	80 (65E)	80C	50	80★	80E		80	100	80E
7010-C80S2T6D8	80 (65E)	80C	50	80★	100E	▲	100	100	80E
7010-C80S3T3D8	80 (80E)	80C	50	80★	80E		80	100	80E
7010-C80S3T6D8	125 (100E)	80C	50	80★	125E		100	100	100E
7010-C80S4T3D8	80 (80E)	80C	50	80★	80E		80	112	80E
7010-C80S4T6D8	140 (100E)	100C	50	100★	150E		125	112	100E
7010-C110S1T3D8	80 (65E)	80C	50	80★	80E		80	125★	80E
7010-C110S1T6D8	80 (65E)	80C	50	80★	125E		100	125★	100E
7010-C110S2T3D8	80 (80E)	80C	50	80★	80E		80	125★	80E
7010-C110S2T6D8	125 (100E)	80C	50	80★	125E	▲	125	125★	100E
7010-C110S3T3D8	80 (80E)	80C	50	80★	80E		80	125★	80E
7010-C110S3T6D8	140 (100E)	100C	50	100★	150E		125	125★	100E
7010-C110S4T3D8	80 (80E)	80C	50	80★	80E		80	150★	80E
7010-C110S4T6D8	140 (100E)	130C★	50	100★	175E★		125	150★	100E

① Data in parentheses apply to "E" rated fuses.

▲ Current-limiting fuses are not available in this voltage rating from this manufacturer.

★ Two fuses in parallel.

TABLE III—Series Coordination of Time-Delayed Compound-Curve-Type Fault Filters (TCC No. 421-7) with General-Purpose Current-Limiting Fuses Rated 15.5 kV

Control Module Catalog Number ↓	Maximum Load-Side Current-Limiting Fuse Ampere Rating for Complete Coordination								
	Combined Technologies (X-Limiter)①	Cooper Power Systems			General Electric (EJO-1 Type 9F62)	Gould (Type CL-14)	Kearney		Westing-house (Type CLE)
		(Type NX)	(Type NXII)	(Type ELX)			(Type Q)	(Type B)	
Effective Date →	Feb. 1991 (Nov. 1987)	June 1971	May 1990	Feb. 1987	July 1986	Aug. 1980	Mar. 1984	Sept. 1979	Mar. 1977
7010-C40S1T3D8	65 (50E)	40C	50	40	50E	65E	50	50	40E
7010-C40S1T6D8	65 (50E)	40C	50	40	50E	65E	50	50	40E
7010-C40S2T3D8	65 (50E)	50C	50	50	65E	65E	65	50	50E
7010-C40S2T6D8	65 (50E)	50C	50	50	65E	65E	65	50	50E
7010-C40S3T3D8	80 (65E)	50C	50	60★	65E	65E	65	50	50E
7010-C40S3T6D8	80 (65E)	50C	50	60★	65E	80E	65	50	50E
7010-C40S4T3D8	80 (65E)	65C	50	80★	80E	65E	80	50	65E
7010-C40S4T6D8	80 (65E)	65C	50	80★	80E	100E	80	50	65E
7010-C60S1T3D8	65 (50E)	50C	50	50	65E	65E	65	65	50E
7010-C60S1T6D8	65 (50E)	50C	50	50	65E	80E	65	65	50E
7010-C60S2T3D8	80 (65E)	65C	50	60★	80E	65E	80	65	65E
7010-C60S2T6D8	80 (65E)	65C	50	60★	80E	100E	80	65	65E
7010-C60S3T3D8	80 (80E)	65C	50	80★	100E	65E	80	65	65E
7010-C60S3T6D8	100 (80E)	65C	50	80★	100E	100E	100	65	65E
7010-C60S4T3D8	80 (80E)	80C	50	80★	100E	65E	80	80	80E★
7010-C60S4T6D8	125 (100E)	80C	50	100★	100E	100E	100	80	80E★
7010-C80S1T3D8	80 (65E)	65C	50	50	80E	65E	80	80	65E
7010-C80S1T6D8	80 (65E)	65C	50	50	80E	100E	80	80	65E
7010-C80S2T3D8	80 (65E)	65C	50	80★	100E	65E	80	80	65E
7010-C80S2T6D8	80 (65E)	65C	50	80★	100E	100E	100	80	65E
7010-C80S3T3D8	80 (80E)	80C	50	80★	100E	65E	80	80	80E★
7010-C80S3T6D8	125 (100E)	80C	50	80★	125E★	100E	100	80	80E★
7010-C80S4T3D8	80 (80E)	80C	50	80★	100E	65E	80	100	100E★
7010-C80S4T6D8	125 (100E)	80C	50	100★	125E★	100E	125	100	100E★
7010-C110S1T3D8	80 (65E)	80C	50	80★	100E	65E	80	80	80E★
7010-C110S1T6D8	80 (65E)	80C	50	80★	100E	100E	100	80	80E★
7010-C110S2T3D8	80 (80E)	80C	50	80★	100E	65E	80	100	80E★
7010-C110S2T6D8	125 (100E)	80C	50	80★	125E★	100E	125	100	80E★
7010-C110S3T3D8	80 (80E)	80C	50	80★	100E	65E	80	125★	100E★
7010-C110S3T6D8	125 (100E)	80C	50	100★	150E★	100E	125	125★	100E★
7010-C110S4T3D8	80 (80E)	80C	50	80★	100E	65E	80	125★	100E★
7010-C110S4T6D8	125 (100E)	100C	50	100★	150E★	100E	125	125★	150E■

① Data in parentheses apply to "E" rated fuses.

■ Three fuses in parallel.

★ Two fuses in parallel.



TABLE IV—Series Coordination of Time-Delayed Compound-Curve-Type Fault Fitters (TCC No. 421-7) with General-Purpose Current-Limiting Fuses Rated 23 kV<sup>①②</sup>

Control Module Catalog Number ↓	Maximum Load-Side Current-Limiting Fuse Ampere Rating for Complete Coordination								
	Combined Technologies (X-Limiter) <sup>③</sup>	Cooper Power Systems			General Electric (EJO-1 Type 9F62)	Gould (Type CL-14)	Kearney		Westing- house (Type CLE)
		(Type NX)	(Type NXII)	(Type ELX)			(Type Q)	(Type B)	
Effective Date →	Feb. 1991 (Nov. 1987)	June 1971	May 1990	Feb. 1987	NA	NA	Mar. 1984	Sept. 1979	NA
7010-C40S1T3D8	65 (50E)	40C	50	40			50	50	
7010-C40S1T6D8	65 (50E)	40C	50	40			50	50	
7010-C40S2T3D8	65 (50E)	50C★●	50	50			65	50	
7010-C40S2T6D8	65 (50E)	50C★●	50	50			65	50	
7010-C40S3T3D8	80 (65E)	50C★●	50	60★	▲	▲	65	50	▲
7010-C40S3T6D8	80 (65E)	50C★●	50	60★			65	50	
7010-C40S4T3D8	80 (65E)	50C★●	50	80★			80	50	
7010-C40S4T6D8	80 (65E)	50C★●	50	80★			80	50	
7010-C60S1T3D8	65 (50E)	50C★●	50	50			65	65	
7010-C60S1T6D8	65 (50E)	50C★●	50	50			65	65	
7010-C60S2T3D8	80 (65E)	50C★●	50	60★			80	65	
7010-C60S2T6D8	80 (65E)	50C★●	50	60★			80	65	
7010-C60S3T3D8	80 (80E)	60C★▼	50	80★	▲	▲	80	80★	▲
7010-C60S3T6D8	100 (80E)	60C★▼	50	80★			80	80★	
7010-C60S4T3D8	80 (80E)	60C★▼	50	80★			100	80★	
7010-C60S4T6D8	125 (100E)	60C★▼	50	100★			100	80★	
7010-C80S1T3D8	80 (65E)	60C★▼	50	50			80	80★	
7010-C80S1T6D8	80 (65E)	60C★▼	50	50			80	80★	
7010-C80S2T3D8	80 (65E)	60C★▼	50	80★			80	80★	
7010-C80S2T6D8	80 (65E)	60C★▼	50	80★	▲	▲	80	80★	▲
7010-C80S3T3D8	80 (80E)	80C★■	50	80★			100	100★	
7010-C80S3T6D8	100 (100E)	80C★■	50	80★			100	100★	
7010-C80S4T3D8	80 (80E)	80C★■	50	80★			100	100★	
7010-C80S4T6D8	100 (100E)	80C★■	50	100★			125	100★	
7010-C110S1T3D8	80 (65E)	60C★▼	50	80★			100	100★	
7010-C110S1T6D8	80 (65E)	60C★▼	50	80★			100	100★	
7010-C110S2T3D8	80 (80E)	80C★■	50	80★			100	100★	
7010-C110S2T6D8	100 (100E)	80C★■	50	80★	▲	▲	100	100★	▲
7010-C110S3T3D8	80 (80E)	80C★■	50	80★			100	125★	
7010-C110S3T6D8	100 (100E)	80C★■	50	100★			125	125★	
7010-C110S4T3D8	80 (80E)	80C★■	50	80★			100	125★	
7010-C110S4T6D8	100 (100E)	80C★■	50	100★			150	125★	

① Kearney Type B current-limiting fuses are rated 22 kV.

② Kearney Type Q current-limiting fuses are rated 27 kV.

③ Data in parentheses apply to "E" rated fuses.

★ Two fuses in parallel.

● For 27-kV and 38-kV fuses dated June 1971, use 60C-ampere fuses (two 30C-ampere fuses in parallel).

▼ For 27-kV and 38-kV fuses dated June 1971, use 80C-ampere fuses (two 40C-ampere fuses in parallel).

■ For 27-kV and 38-kV fuses dated June 1971, use 100C-ampere fuses (two 50C-ampere fuses in parallel).

▲ Current-limiting fuses are not available in this voltage rating from this manufacturer.