



March, 1982
Supersedes TD 36-731, dated
January 16, 1980

E, D, C/1971/PL

Current Limiting
2.4 KV to 15 KV
3.5C to 300C

Type CX and CXN High Voltage Power Fuses

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Ordering Information

Example: Required – one (1) CX Fuse, disconnect type, 7.2 Kv complete with mounting and 25 ampere fuse.

To obtain proper equipment, follow this procedure: Select from Table "A" under the 8300 maximum voltage design, the 25C fuse unit, Style No. 5978C72G03. This style calls for a "B" size mounting. Now select from Table "B" mounting Style No. 151D885G02.

Ordering information on TOPS should contain this breakdown:

- Item 1. – One (1) CX disconnect mounting – Style No. 151D885G02
- Item 2. – One (1) CX fuse unit 25C – Style No. 5978C72G03

Example: Required – One (1) CX Fuse 4.8 Kv complete with non-disconnect mounting and 60 ampere fuse.

Select from Table "A" under the 5500 maximum voltage design the 60 C fuse unit, Style No. 151D254G09. This style also calls for an "A" size mounting. Now select from Table "B" under the non-disconnect mountings, Style No. 151D884G01.

Ordering information on TOPS should contain this breakdown:

- Item 1. – One (1) CX mounting – Style No. 151D884G01
- 2. – One (1) CX fuse unit, 60C – Style No. 151D254G09

Further Information:

Description: Descriptive Bulletin 36-732
Performance Curves: AD 36-733 &
AD 36-733 A

Prices: Price List 36-609

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Table A – Fuse Units, Type CX
Minimum Order Quantity (3) Per Style. (No Returns)

Type	Amps	Maximum Design Voltage	Interrupting Rating RMS Amps (Sym.)	Interrupting Rating RMS Amps (Asym.)	Style Number ① ②	Curve Number	Ramad ③	Approx. ShipWt. Lbs.	Fuse Mounting ④	Fuse Ferrule Diameter (Inches)
CX	18C	4300	50,000	80,000	5978C62G01	5, 6, 13, 15, 19	78884	1.0	A	1.13
	25C	4300	50,000	80,000	5978C62G02	5, 6, 13, 15, 19	78885	1.0	A	1.13
	35C	4300	50,000	80,000	5978C62G03	5, 6, 13, 15, 19	78886	1.0	A	1.13
	45C	4300	50,000	80,000	5978C66G01	5, 6, 13, 15, 19	78890	2.0	A	2.0
	50C	4300	50,000	80,000	5978C66G02	5, 6, 13, 15, 19	78891	2.0	A	2.0
	60C	4300	50,000	80,000	151D253G06	3, 4, 13, 15, 19	55296	2.0	A	2.0
	65C	4300	50,000	80,000	5978C66G03	5, 6, 13, 15, 19	78892	2.0	A	2.0
	75C	4300	50,000	80,000	5978C66G04	5, 6, 13, 15, 19	78894	2.0	A	2.0
	80C	4300	50,000	80,000	151D253G08	3, 4, 13, 15, 19	55301	2.0	A	2.0
	100C	4300	50,000	80,000	5978C66G05	5, 6, 13, 15, 19	78893	2.0	A	2.0
CX	10C	5500	50,000	80,000	151D254G11	7, 8, 13, 16, 20	78874	1.0	A	1.13
	12C	5500	50,000	80,000	151D254G12	7, 8, 13, 16, 20	78875	1.0	A	1.13
	18C	5500	50,000	80,000	5978C70G01	7, 8, 13, 16, 20	78895	1.0	A	1.13
	20C	5500	50,000	80,000	5978C70G02	7, 8, 13, 16, 20	78896	2.0	A	2.0
	21C	5500	50,000	80,000	151D254G04	3, 4, 13, 16, 20	55306	2.0	A	2.0
	25C	5500	50,000	80,000	5978C70G03	7, 8, 13, 16, 20	78897	2.0	A	2.0
	30C	5500	50,000	80,000	5978C70G04	7, 8, 13, 16, 20	78898	2.0	A	2.0
	35C	5500	50,000	80,000	151D254G06	3, 4, 13, 16, 20	55310	2.0	A	2.0
	40C	5500	50,000	80,000	5978C70G05	7, 8, 13, 16, 20	78899	2.0	A	2.0
	50C	5500	50,000	80,000	5978C70G06	7, 8, 13, 16, 20	78900	2.0	A	2.0
	60C	5500	50,000	80,000	151D254G09	3, 4, 13, 16, 20	55317	2.0	A	2.0
	65C	5500	50,000	80,000	5978C70G07	7, 8, 13, 16, 20	78901	2.0	A	2.0
	75C	5500	50,000	80,000	5978C70G08	7, 8, 13, 16, 20	78902	2.0	A	2.0
	CX	3.5C	8300	50,000	80,000	151C255G01	1, 2, 14, 17, 21	55318	1.0	B
4C		8300	50,000	80,000	151C255G02	1, 2, 14, 17, 21	55319	1.0	B	1.13
4.5C		8300	50,000	80,000	5978C62G04	9, 10, 14, 17, 21	78887	1.0	B	1.13
6C		8300	50,000	80,000	5978C62G05	9, 10, 14, 17, 21	78888	1.0	B	1.13
7C		8300	50,000	80,000	151D255G03	1, 2, 14, 17, 21	55321	1.0	B	1.13
8C		8300	50,000	80,000	5978C62G06	9, 10, 14, 17, 21	78889	1.0	B	1.13
10C		8300	50,000	80,000	151D255G11	9, 10, 14, 17, 21	55322	1.0	B	1.13
12C		8300	50,000	80,000	151D255G12	9, 10, 14, 17, 21	55323	1.0	B	1.13
15C		8300	50,000	80,000	151D255G06	3, 4, 14, 17, 21	55327	2.0	B	2.0
18C		8300	50,000	80,000	5978C72G01	9, 10, 14, 17, 21	78903	2.0	B	2.0
20C		8300	50,000	80,000	5978C72G02	9, 10, 14, 17, 21	78904	2.0	B	2.0
25C		8300	50,000	80,000	5978C72G03	9, 10, 14, 17, 21	78905	2.0	B	2.0
30C		8300	50,000	80,000	5978C72G04	9, 10, 14, 17, 21	78906	2.0	B	2.0
35C		8300	50,000	80,000	151D255G09	3, 4, 14, 17, 21	55337	2.0	B	2.0
40C	8300	50,000	80,000	5978C72G05	9, 10, 14, 17, 21	78907	2.0	B	2.0	
CX	4C	15500	50,000	80,000	151D883G01	11, 12, 14, 18, 22	55340	2.5	C	2.0
	6C	15500	50,000	80,000	9570D12G06	11, 12, 14, 18, 22	78908	2.5	C	2.0
	7C	15500	50,000	80,000	151D883G02	1, 2, 14, 18, 22	55342	2.5	C	2.0
	8C	15500	50,000	80,000	9570D12G07	11, 12, 14, 18, 22	78909	2.5	C	2.0
	10C	15500	50,000	80,000	151D883G11	11, 12, 14, 18, 22	78883	2.5	C	2.0
	12C	15500	50,000	80,000	9570D12G08	11, 12, 14, 18, 22	78910	2.5	C	2.0
	15C	15500	50,000	80,000	151D883G05	3, 4, 14, 18, 22	55349	2.5	C	2.0
	18C	15500	50,000	80,000	9570D12G01	11, 12, 14, 18, 22	75677	2.5	C	2.0
	20C	15500	50,000	80,000	9570D12G02	11, 12, 14, 18, 22	75701	2.5	C	2.0
	25C	15500	50,000	80,000	9570D12G03	11, 12, 14, 18, 22	75702	2.5	C	2.0
	30C	15500	50,000	80,000	9570D12G04	11, 12, 14, 18, 22	75703	2.5	C	2.0
	40C	15500	50,000	80,000	9570D12G05	11, 12, 14, 18, 22	75704	2.5	C	2.0

Table B – Fuse Mountings, NEMA Strength Class A-20 Indoor Only, Type CX (No Returns)

Nominal Insulator Voltage	Maximum Design Voltage	BIL KV	Type ④ of Mounting	Mounting Designation	Style Number ①	RAMAD ③
Non-Disconnect Type						
4808	5500	60	TTFC	A	151D884G01	77896
7200	8300	75	TTFC	B	151D884G02	77898
13200	14500	95	TTFC	C	151D884G03	77899
Disconnect Type ②						
4800	5500	60	TTFC	A	151D885G01	77900
7200	8300	75	TTFC	B	151D885G02	98873
13200	14500	95	TTFC	C	151D885G03	98910

Table C – Live Parts Above Insulators, Type CX (No Returns)

Voltage	Style Number	RAMAD ③
Non-disconnect Mounting		
5.5/15.5KV	151D884G08	77903
Disconnect Mounting		
5.5/15.5KV	151D885G05	33373

Table D – Fuse Fitting for Disconnect Mountings, Type CX (No Returns)

Style Number	RAMAD ③
151D885G06	33373

① See DB 36-732 for dimensions for mounting and fuses.

② Disconnect mountings come complete with fuse fittings, base, insulators and live parts.

③ Send orders to TOPS for items indicated. Fuses are carried in W-16, while the mountings are in W-89 warehouse, if not in stock order on Q-19, shipment 8 weeks.

④ Two terminals front connected – TTFC.

⑤ Refer to Page 4 for Interchangeability Chart.

⑥ Changed since previous issue.



**Table E – Fuse Units, Type CXN
Minimum Order Quantity (3) Per Style (No Returns)**

Type	Amps	Maximum Design Voltage	Interrupting Rating RMS Amps (Sym.)	Interrupting Rating RMS Amps (Asym.)	Style Number	Curve Number ⑨	Ramad ①	Approx. Ship. Wt. Lbs.	Fuse Mounting	Clip Center (Inches)
Fuses for use on Transformer Protection, 3 Inch and 4 Inch Dia. Ferrule Full Range Protecting										
CXN	60C	8300	50,000	80,000	9570D01G01②	1, 2, 3	20755	8	D/G	14½
50/60	100C	8300	50,000	80,000	9570D01G02②	1, 2, 3	20756	8	D/G	14½
Hertz	125C	8300	50,000	80,000	9570D01G03③	1, 2, 3	20757	14	D/G	14½
	150C	8300	50,000	80,000	9570D01G04③	1, 2, 3	20768	14	D/G	14½
	200C	8300	50,000	80,000	9570D01G05③	1, 2, 3	20769	14	F/H	14½
	250C	8300	50,000	80,000	9570D01G06③	1, 2, 3	20771	14	F/H	14½
	300C	8300	50,000	80,000	③⑤	7, 8	75178	28	F	14½
	45C	15,000	50,000	80,000	9570D02G02②	4, 5, 6	20774	8	D/G	14½
	60C	15,000	50,000	80,000	9570D02G03②	4, 5, 6	20777	8	D/G	14½
	75C	15,000	50,000	80,000	9570D02G04③	4, 5, 6	20778	14	D/G	14½
	85C	15,000	50,000	80,000	9570D02G05③	4, 5, 6	20779	14	D/G	14½
	100C	15,000	50,000	80,000	9570D02G06③	4, 5, 6	20780	14	D/G	14½
	120C	15,000	50,000	80,000	②⑤	9, 10	75148	16	E	14½
	150C	15,000	50,000	80,000	③⑦	9, 10	75157	28	F	14½
	175C	15,000	50,000	80,000	③⑧	9, 10	75170	28	F	14½

Table F – Paralleling Clamp for Paralleling CXN Fuses Indicated Above (No Returns)

Style Number	Ramad ①
5978C53G03	75709

Table G – Fuse Mountings, NEMA Strength Class A-20, Indoor Only, Two Terminals Front Connected, Type CXN (No Returns)

Max. Design Voltage	KV BIL	Fuse Ferrule Dia. (Inches)	Fuse Type	Mounting Designation	Max. Amps	Style Number	Ramad ①
Non-Disconnect Type							
8.3/14.4	95	3 or 4	Single Barrel	D	150	9570D05G02	
8.3/14.4	95	4	Single/Double Barrel	F	300	9570D33G01	
8.3/14.4	95	3	Single/Double Barrel	E	200	9570D33G03	
Disconnect Type ④							
8.3/14.4	95	3	Single Barrel	G	150	9570D06G01	
8.3/14.4	95	4	Single Barrel	H	250	9570D34G01	

Table H – Live Parts and Fuse Fittings, Type CXN (No Returns)

Type of Mounting	Mounting Designation	Live Parts		Fuse Fittings	
		Style	Ramad ①	Style	Ramad ①
Non-Disconnect	D	9570D05G06		Not Required	
	F	9570D33G02		With Non-Disconnect	
	E	9570D33G04		Mountings	
Disconnect	D	9570D06G03		9570D06G05	
	H	9570D34G02		9570D06G05	

● Send orders to TOPS for items indicated. Fuses are carried in W-16, while mountings are in W-89 warehouse or Q-19. Shipment 8 weeks.

● 3 Inch Ferrule Diameter.

① 4 Inch Ferrule Diameter.

④ Disconnect mountings include base, insulators, live parts and fuse fittings.

⑤ Fuse consists of qty 2 9570D01G04 fuses and qty 1 set of 5978C53G03 clamps.

⑥ Fuse consists of qty 2 9570D02G03 fuses and qty 1 set of 5978C53G03 clamps.

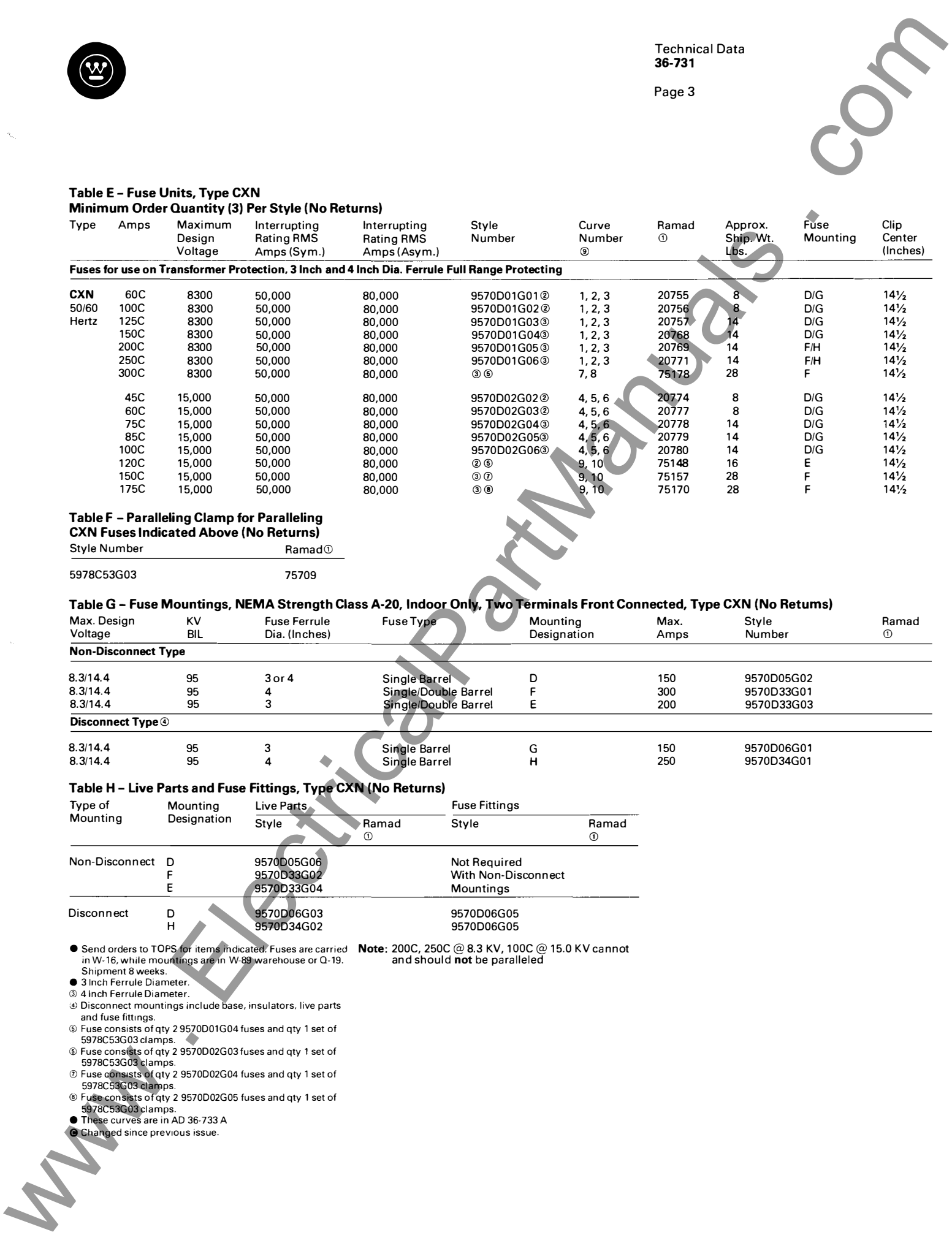
⑦ Fuse consists of qty 2 9570D02G04 fuses and qty 1 set of 5978C53G03 clamps.

⑧ Fuse consists of qty 2 9570D02G05 fuses and qty 1 set of 5978C53G03 clamps.

● These curves are in AD 36-733 A

● Changed since previous issue.

Note: 200C, 250C @ 8.3 KV, 100C @ 15.0 KV cannot and should not be paralleled





**Table H – CX Current Limiting Fuse
Competitive Interchangeability Chart** ① ②

Cont. Current Rating "C"	Voltage kV	Westinghouse – CX		McGraw – NX		General Electric – GP		RTE-ELX	
		Style No.	Mtg. Size ③	Style No.	Mtg. Size ③	Style No.	Mtg. Size	Style No.	Mtg. Size
18	2.8/4.3	5978C62G01	A	FA1H18	4	9F59KAA018	NA	3563018M11	4
25	2.8/4.3	5978C62G02	A	FA1H25	4	9F59KAA025	NA	3563025M11	4
35	2.8/4.3	5978C62G03	A	FA1H35	4	9F59KAA035	NA	3563035M11	4
45	2.8/4.3	5978C66G01	A	FA1H45	4	NA	NA	3563045M11	4
50	2.8/4.3	5978C66G02	A	FA1H50	4	9F59KBA050	NA	NA	NA
60	2.8/4.3	151C253G06	A	NA	4	NA	NA	NA	NA
65	2.8/4.3	5978C66G03	A	FA1H65	4	NA	NA	NA	NA
75	2.8/4.3	5978C66G04	A	FA1H75	4	9F59KBA065	NA	NA	NA
80	2.8/4.3	151D253G08	A	NA	NA	NA	NA	NA	NA
100	2.8/4.3	5978C66G05	A	FA1H100	4	9F59KBA100	NA	NA	NA
10	5.5	151D254G11	A	FA2H10	4	9F59KAB010	NA	NA	NA
12	5.5	151D254G12	A	FA2H12	4	9F59KAB012	NA	3563012M11	4
18	5.5	5978C70G01	A	FA2H18	4	9F59KAB018	NA	3563018M11	4
20	5.5	5978C70G02	A	FA2H20	4	NA	NA	3563020M11	4
21	5.5	151D254G04	A	NA	4	NA	NA	NA	NA
25	5.5	5978C70G03	A	FA2H25	4	9F59KBB025	NA	3563025M11	4
30	5.5	5978C70G04	A	FA2H30	4	NA	NA	3563030M11	4
35	5.5	151D254G06	A	NA	4	NA	NA	NA	NA
40	5.5	5978C70G05	A	FA2H40	4	9F59KBB040	NA	3563040M11	4
50	5.5	5978C70G06	A	FA2H50	4	NA	NA	NA	NA
60	5.5	151D254G09	A	NA	NA	9F59KBB060	NA	NA	NA
65	5.5	5978C70G07	A	NA	NA	NA	NA	NA	NA
75	5.5	5978C70G08	A	NA	NA	NA	NA	NA	NA
3.5	8.3	151D255G01	B	NA	NA	NA	NA	NA	NA
4	8.3	151D255G02	B	NA	NA	NA	NA	NA	NA
4.5	8.3	5978C62G04	B	FA3H4	4	NA	NA	3563004M11	4
6	8.3	5978C62G05	B	FA3H6	4	NA	NA	3563006M11	4
7	8.3	151D255G03	B	NA	4	NA	NA	NA	NA
8	8.3	5978C62G06	B	FA3H8	4	9F59KAC008	NA	3563008M11	4
10	8.3	151D255G11	B	FA3H10	4	9F59KAC010	NA	NA	NA
12	8.3	151D255G12	B	FA3H12	4	9F59KAC012	NA	3563012M11	4
15	8.3	151D255G06	B	NA	4	9F59KAC015	NA	NA	NA
18	8.3	5978C72G01	B	FA3H18	4	NA	NA	3563018M11	4
20	8.3	5978C72G02	B	FA3H20	4	NA	NA	3563020M11	4
25	8.3	5978C72G03	B	FA3H25	4	NA	NA	3563025M11	4
30	8.3	5978C72G04	B	FA3H30	4	NA	NA	3563030M11	4
35	8.3	151D255G09	B	NA	4	NA	NA	NA	NA
40	8.3	5978C72G05	B	FA3H40	4	9F59KBC040	NA	3563040M11	4
4	15.5	151D883G01	C	NA	NA	NA	NA	3564004M11	5
6	15.5	9570D12G06	C	FA4H6	5	9F59KBD006	NA	3564006M11	5
7	15.5	151D883G02	C	NA	NA	NA	NA	NA	NA
8	15.5	9570D12G07	C	FA4H8	5	9F59KBD008	NA	3564008M11	5
10	15.5	151D883G11	C	FA4H10	5	9F59KBD010	NA	NA	NA
12	15.5	9570D12G08	C	FA4H12	5	9F59KBD012	NA	3564012M11	5
15	15.5	151D883G05	C	NA	NA	9F59KBD015	NA	NA	NA
18	15.5	9570D12G01	C	FA4H18	5	NA	NA	3564018M11	5
20	15.5	957D12 G02	C	FA4H20	5	9F59KBD020	NA	3564020M11	5
25	15.5	9570D12G03	C	FA4H25	5	9F59KBD025	NA	3564025M11	5
30	15.5	9570D12G04	C	FA4H30	5	9F59KBD030	NA	3564030M11	5
40	15.5	9570D12G05	C	FA4H40	5	9F59KBD040	NA	3564040M11	5

① Fuses are physically and electrically interchangeable as indicated.
 ② All have 50,000 sym. amperes I.C.
 ③ For single or parallel clip mountings disconnect or non-disconnect type.
 ④ GE fuses are not 2.8/4.3 rated. Maximum voltage rating is 2.8 kV.