

The Trans-Guard™ FX full-range current-limiting fuse provides both overload and fault current protection for distribution equipment in a single fuse body. As a full-range fuse, it is capable of interrupting any continuous current between the minimum current that can cause melting of its elements and its rated maximum interrupting current (50,000 amps). The fuses are capable of interrupting

in elevated ambient temperatures up to their rated maximum application temperature (RMAT). The Trans-Guard™ FX fuse is hermetically sealed and thus discharges no gasses during fuse operation. An additional design distinction is its Patented Damage Sensor that significantly reduces the potential for fuse failure in the event of element damaging current surges.



Figure 1



Figure 2

FX Full-Range
CL Fuses

Applications:

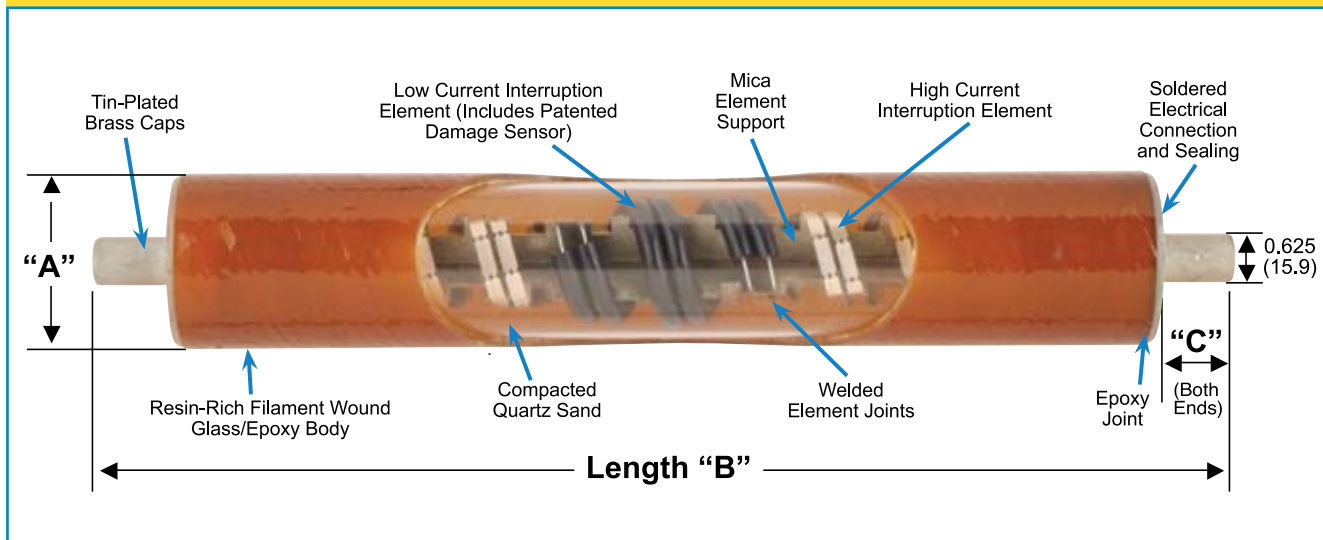
Trans-Guard™ FX fuses are available in a broad range of ratings. For ease of application, all designs are compatible with the industry-recognized standard mounting codes. Common applications include the Trans-Guard™ FX:

- Installed in drywell canisters for distribution transformer protection (see Figure 1)
- Clip mounted in live-front switchgear (see Figure 2)
- Externally mounted on overhead distribution systems (several outdoor versions available – contact factory for more information)
- Installed in Elastimold MCAN rubber molded canister for dead-front/submersible applications (see page 47)
- Installed directly in oil (contact factory for more information)



FEATURE	BENEFIT/DESCRIPTION
Patented Damage Sensor	Designed to significantly reduce the risk of fuse failure should the fuse be subjected to an element damaging current surge
Hermetically sealed construction	Ensures that no gasses escape from the fuse during current interruption. All Trans-Guard™ FX fuses are helium mass spectrometer leak tested to ensure sealing system integrity
Rugged machined brass end caps	Used for greater ferrule strength resulting in less distortion and more secure fuse attachment in dry-well canisters
Tested in accordance with the most recent ANSI/IEEE standards	Includes requirements for short circuit testing at the manufacturer's specified rated maximum application temperature (RMAT)
Optional blown fuse indicator (See Figure 3)	Reliable indication of fuse operation with a unique design that does not affect the fuse's arcing performance

CONSTRUCTION



FX Full-Range CL Fuses

TABLE 12 – DIMENSIONAL INFORMATION FOR TRANS-GUARD™ FX FUSES

Nominal Fuse Voltage Rating (kV)	Current Rating (Amps)	Dimensions inches (mm)			Standard Mounting Code
		A	B	C	
5.5	80-200	3.32-3.25" (84.4-82.5mm)	17.51-17.35" (444.8-440.7mm)	1.21-1.17" (30.7-29.7mm)	6
8.3	3-50	2.25-2.18" (57.0-55.3mm)	10.00-9.90" (254.0-251.5mm)	1.02-1.00" (25.9-25.4mm)	4
	65-80	2.25-2.18" (57.0-55.3mm)	14.31-14.21" (363.5-360.9mm)	1.02-1.00" (25.9-25.4mm)	5
	65-125	3.32-3.25" (84.4-82.5mm)	14.70-14.54" (373.4-369.3mm)	1.21-1.17" (30.7-29.7mm)	5
15.5	3-50	2.25-2.18" (57.0-55.3mm)	14.31-14.21" (363.5-360.9mm)	1.02-1.00" (25.9-25.4mm)	5
	65-100	3.32-3.25" (84.4-82.5mm)	17.51-17.35" (444.8-440.7mm)	1.21-1.17" (30.7-29.7mm)	6
23.0	6-50	2.25-2.18" (57.0-55.3mm)	17.12-17.02" (434.8-432.3mm)	1.02-1.00" (25.9-25.4mm)	6

BLOWN FUSE INDICATOR



Before Operation

After Operation

Figure 3

PROTECTION AND CONTROL

Trans-Guard™ FX Fuses

TABLE 13 – ELECTRICAL CHARACTERISTICS OF TRANS-GUARD™ FX FUSES (SINGLE FUSES)

Nominal Fuse Voltage Rating (kV)	Fuse Diameter (in)	Current Rating (Amps)	Fuse Catalog Number	Rated Maximum Voltage (kV)	Maximum Continuous Current (In Air) (6)			Peak Arc Voltage (5) (kV)	Minimum Melt I ² t (AMP ² SEC)	Maximum Melt I ² t (3),(4) (AMP ² SEC)	R _{MAT} (8) (°C)	
					25°C	40°C	55°C					
5.5	3.3	80	HTFX320080	5.5	99	96	94	15.0	22,100	110,000	71	
		100	HTFX320100		126	122	118	15.0	56,700	280,000		
		125	HTFX320125		142	138	134	15.0	78,300	380,000		
		150	HTFX320150		184	178	173	15.0	176,000	860,000		
		200	HTFX320200		208	202	196	15.0	259,000	1,270,000		
8.3	2.2	3	HTFX230003	10.0	5.0	4.9	4.7	30	100	350	140	
		6	HTFX230006		11.0	10.5	10.0	32	620	2,700		
		8	HTFX230008		13.5	13.0	12.5	28	800	4,000		
		10	HTFX230010		16.0	15.5	15.0	28	800	4,000		
		12	HTFX230012		20.5	19.5	19.0	26	920	8,000		
		18	HTFX230018		23.5	22.5	22.0	26	1,310	9,500		
		20	HTFX230020		27.5	26.5	25.5	26	1,620	11,000		
		25	HTFX230025		37.0	35.5	34.5	26	3,660	22,000		
		30	HTFX230030		41.0	39.5	38.5	26	5,250	30,000		
		40	HTFX230040		50.0	48.5	47.0	26	8,700	50,000		
	50	HTFX230050	57.0	55.0	53.5	26	12,800	70,000				
	65	HTFX230065	8.8	87.0	84.0	81.5	23	34,000	200,000			
	80	HTFX230080		100.0	98.0	95.0	22	51,200	280,000			
	3.3	3.3	65	HTFX330065	8.3	81.0	79.0	77.0	25	25,200	100,000	71
			80	HTFX330080		95.0	92.0	89.0	25	47,200	185,000	
100			HTFX330100	120.0		117.0	113.0	25	78,300	330,000		
125			HTFX330125	135.0		131.0	127.0	25	115,150	480,000		
15.5	2.2	3	HTFX240003	17.2	5.0	4.9	4.7	51	100	510	140	
		6	HTFX240006		11.0	10.5	10.0	54	620	2,600		
		8	HTFX240008		13.5	13.0	12.5	46	800	3,700		
		10	HTFX240010		16.0	15.5	15.0	46	800	3,700		
		12	HTFX240012		20.5	19.5	19.0	43	920	6,500		
		18	HTFX240018		23.5	22.5	22.0	45	1,310	8,000		
		20	HTFX240020		27.5	26.5	25.5	45	1,620	10,000		
		25	HTFX240025		37.0	35.5	34.5	45	3,660	22,000		
		30	HTFX240030		41.0	39.5	38.5	45	5,250	30,000		
		40	HTFX240040		50.0	48.5	47.0	45	8,700	50,000		
	50	HTFX240050	53.0	51.5	50.0	45	12,800	70,000				
	3.3	3.3	65	HTFX340065	15.5	78.0	75.0	73.0	40	25,200	110,000	71
			80	HTFX340080		88.0	85.0	82.0	40	39,400	185,000	
			100	HTFX340100		114.0	110.0	107.0	40	80,000	380,000	
	23.0	2.2	6	HTFX250006	23.0	11.0	10.5	10.0	67	620	3,100	140
			8	HTFX250008		13.5	13.0	12.5	61	800	4,800	
			10	HTFX250010		16.0	15.5	15.0	61	800	4,800	
			12	HTFX250012		20.5	19.5	19.0	60	920	8,300	
			18	HTFX250018		23.5	22.5	22.0	60	1,310	11,200	
20			HTFX250020	27.5		26.5	25.5	60	1,620	13,000		
25			HTFX250025	37.0		35.5	34.5	60	3,660	28,000		
30			HTFX250030	41.0		39.5	38.5	60	5,250	38,000		
40			HTFX250040	48.0		46.5	45.0	60	8,700	61,000		
50			HTFX250050	55.0		53.0	51.5	60	12,800	82,000		

FX Full-Range CL Fuses

TABLE 14 – ELECTRICAL CHARACTERISTICS OF TRANS-GUARD™ FX FUSES (PARALLEL FUSES)

Nominal Fuse Voltage Rating (kV)	Fuse Diameter (in)	Current Rating (Amps)	Fuse Catalog Number	Rated Maximum Voltage (kV)	Maximum Continuous Current (In Air) (6)			Peak Arc Voltage (5) (kV)	Minimum Melt I ² t (AMP ² SEC)	Maximum Melt I ² t (3) (4) (AMP ² SEC)	RMAT (8) (°C)	
					25°C	40°C	55°C					
8.3	2.2	60	HTFX230030	10.0	80.0	77.0	75.0	26	21,000	120,000	140	
		80	HTFX230040		98.0	95.0	92.0	26	34,000	180,000		
		100	HTFX230050	8.3	111.0	108.0	105.0	24	51,200	250,000		
		130	HTFX230065	8.8	170.0	165.0	160.0	22	136,000	670,000		
	160	HTFX230080	198.0		191.0	186.0	21	204,800	890,000			
	3.3	3.3	130	HTFX330065	8.3	158.0	154.0	151.0	24	100,800	400,000	71
			160	HTFX330080		186.0	180.0	175.0	24	189,000	740,000	
			200	HTFX330100		235.0	229.0	221.0	24	313,000	1,300,000	
250			HTFX330125	265.0		256.0	249.0	24	460,500	1,800,000		
15.5	2.2	60	HTFX240030	17.2	80.0	77.0	75.0	45	21,000	110,000	140	
		80	HTFX240040		98.0	95.0	92.0	45	34,800	170,000		
		100	HTFX240050		104.0	101.0	98.0	45	51,200	310,000		
	3.3	3.3	130	HTFX340065	15.5	152.0	147.0	143.0	39	100,800	440,000	71
			160	HTFX340080		172.0	167.0	160.0	39	157,500	740,000	
			200	HTFX340100		222.0	214.0	208.0	39	320,000	1,520,000	

FX Full-Range CL Fuses

NOTES FOR TABLES 13 AND 14:

1. Designs have a 50,000 Amps rms. Symmetrical Rating (except 3A 17.2 kV which was tested at 44 kA maximum).
2. Current ratings shown in Table 14 are achieved by using a parallel combination of two fuses (order two fuses). To facilitate equal sharing of the interrupting duty, the two fuses should be resistance matched (± 2%) and be mounted such that the current paths to and from each fuse are symmetrical.
3. Tabulated Maximum Total I²t values are for currents of 50,000 amperes at the nominal voltage of the fuse (except for fuses having a rated maximum voltage of 8.8kV, in which case the maximum total I²t values are at 8.8kV). Fuses that have a rated maximum voltage higher than their nominal voltage rating will have a higher I²t let-through when applied at voltages up to these higher values. For example, maximum total I²t values are increased by approximately 30% when 8.3 kV fuses are applied at 10 kV and approximately 25% when 15.5 kV fuses are used at 17.2 kV.
4. Maximum total I²t values are reduced for currents below 50,000 A. For example, at 10,000 A, maximum total I²t values are approximately 15% less than the published values.
5. Peak arc voltages quoted are for 50,000 A currents at the rated maximum voltage listed. Reduced currents and voltages will reduce the peak arc voltage. Consult the factory for further information.
6. Maximum continuous currents at higher ambient temperatures, and in confining enclosures:
 - These may be determined by derating the fuses by 0.2% per degree C over 25°C (for example at 85°C the derating would be 60 x .2 = 12%, making the maximum continuous current of a 30 A fuse 41 x .88 = 36.1 A).
 - When fuses are applied in a confining enclosure, such as a drywell canister, additional derating of a fuse's maximum continuous current is necessary. Specifically, the maximum continuous current for fuses used in a dry-well canister, with the canister completely submerged in oil, will be reduced by an additional 2% (3% for fuses having a rated maximum voltage of 8.8kV). When calculating the derating for temperature, as described above, the temperature of the oil surrounding the canister should be used. For other types of enclosures, please consult the factory.
7. Reduction in the long time melting current of the fuses (approximately one hour and longer) due to higher ambient temperatures and use in enclosures is the same as described above for "maximum continuous currents". See time-current characteristics for melting characteristics in this time region.
8. The 2.2" dia. 80A and 160A (paralleled 80A) fuses have an RMAT of 140°C at a reduced rated maximum voltage of 5.5kV.

TABLE 15 – RECOMMENDED TRANS-GUARD™ FX MOUNTED IN A STANDARD DRYWELL CANISTER IN OIL (AT A MAX. OIL TEMP. OF 100°C)

Fuse Voltage	Recommended Fuse Current Ratings (Amperes)																	
	8.3kV						15.5kV						23kV					
	Transformer 1-Phase Voltage Rating (kV) Phase-to-Ground																	
1-Phase Transformer kVA	2.4		4.16		4.8		7.2		7.62		12		14.4		16		19.9	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
10	6 ^b	8		6 ^a		3		3 ^a		3 ^a		3 ^a		3 ^a		3 ^a		6 ^a
15	8	12		6		6		3		3		3 ^a		3 ^a		3 ^a		6 ^a
25	18	20	8	12	8 ^b	10		6		6		3		3		3		6 ^a
37.5	20	30	12	18	12 ^b	18	8	10		8		6		6 ^a		6 ^a		6 ^a
50	30	40	18	20	18	20	10	12	10	12		6		6		6		6 ^a
75	50	80	25	40	20	30	12	20	12	20	8	12	8	10		8		6
100	60	80	30	50	25	40	20	25	20	25	12 ^b	18	10	12	10 ^a	12		8
167	100		60	80	50	80	30	50	30	50	20	25	18	25	18	20	12	18
250			80		80		50	60	50	60	25	40	20	40	20	30	18	25
333					100		60	100	60	100	40	60	30	50	25	40	20	30
500											60	80	50	80	40	60	40	50
750											80		80		60	100		
1000															100			

TABLE 16 – RECOMMENDED 8.3KV TRANS-GUARD™ FX MOUNTED IN 15.5KV DRYWELL CANISTER IN OIL (AT A MAX. OIL TEMP. OF 100°C)

Fuse Voltage	Recommended Fuse Current Ratings (Amperes)									
	8.3kV									
	Transformer 1-Phase Voltage Rating (kV) Phase-to-Ground									
1-Phase Transformer kVA	2.4		4.16		4.8		7.2		7.62	
	A	B	A	B	A	B	A	B	A	B
75		80								
100	65	80								
167	X*	160	65	80		80				
250	160		80	130	80	130		65		65
333			130	160	X*	160	65	X*	65	X*
500			160		160			130		130

*X=Use an 8.3kV Drywell Canister. See Table 15 for fuse recommendations.

NOTES FOR TABLES 15 AND 16:

Column A = 140-200% of transformer rating and Column B = 200-300% of transformer rating.

Fuses recommended in Table 16 must be mounted in a 15.5kV mounting code 5 drywell canister.

Recommended fuses meet inrush criteria of 12 times transformer full load current for 0.1 second and 25 times transformer full load current for 0.01 second. Fuses also meet cold load pickup criteria of 6 times transformer full load current for 1 second and 3 times transformer full load current for 10 seconds.

■ Shaded areas indicate parallel fuse applications.

- a. Fuse allows greater than 300% of transformer rating.
- b. Fuse allows greater than 200% of transformer rating.

TABLE 17 – RECOMMENDED TRANS-GUARD™ FX MOUNTED IN A STANDARD DRYWELL CANISTER IN OIL (AT A MAX. OIL TEMP. OF 100°C)

FuseVoltage	Recommended Fuse Current Ratings (Amperes)																			
	8.3kV						15.5kV						23kV							
	Transformer 3-Phase Voltage Rating (kV) Phase-to-Phase																			
3-Phase Transformer kVA	2.4		4.16		4.8		7.2-7.96		8.32		12.47		13.2-14.4		20.8		22.9-24.9 ^c		34.5 ^c	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
15		6		3		3		3 ^a		3 ^a		3 ^a		3 ^a		6 ^a		6 ^a		6 ^a
22.5	8	10		6		6 ^a		3		3		3 ^a		3 ^a		6 ^a		6 ^a		6 ^a
30	10	18		6		6		6 ^a		3		3 ^a		3 ^a		6 ^a		6 ^a		6 ^a
45	18	20	8	12	8 ^b	10		6		6		3		3		6 ^a		6 ^a		6 ^a
75	25	40	18	20	12	18	8	12	8 ^b	10		6		6		6 ^a		6 ^a		6 ^a
100	40	50	20	25	18	20	12 ^b	18	10	12		8	6	8		6 ^a		6 ^a		6 ^a
112.5	40	60	20	30	20	25	12	18	12 ^b	18	8 ^b	10		8		6		6 ^a		6 ^a
150	50	80	25	40	25	40	18	20	18	20	10	18	10 ^b	12		6		6		6 ^a
200	80	100	40	60	30	50	20	30	20	25	12	20	12 ^b	18	8	10		8		6
225	80		40	60	40	60	25	40	20	30	18	20	12	20	8	12	8	10		6
300			60	80	50	80	30	50	30	40	20	25	20	25	12	18	12 ^b	18		8
500			100		80		60	80	50	80	30	50	30	40	20	25	18	25	12	18
750							80		80		50	80	50	60	25	40	25	40	18	25
1000											60	100	60	80	40		40		20	30
1500													100				50		40	
2000																			50	

FX Full-Range CL Fuses

TABLE 18 – RECOMMENDED 8.3KV TRANS-GUARD™ FX MOUNTED IN 15.5KV DRYWELL CANISTER IN OIL (AT A MAX. OIL TEMP. OF 100°C)

FuseVoltage	Recommended Fuse Current Ratings (Amperes)									
	8.3kV									
	Transformer 3-Phase Voltage Rating (kV) Phase-to-Phase									
3-Phase Transformer kVA	2.4		4.16		4.8		7.2-7.96		8.32	
	A	B	A	B	A	B	A	B	A	B
112.5		65								
150		80								
200	80	X*		65						
225	80	130		65		65				
300	130 ^b	160	65	80		80				
500	160		X*	160	80	130	65	80 ^c		80 ^c
750			160		130		80 ^c	130	80 ^c	130
1000					160		130	160 ^c	130 ^b	160 ^c
1500							160 ^c		130	

*X=Use an 8.3kV Drywell Canister. See Table 17 for fuse recommendations.

NOTES FOR TABLES 17 AND 18:

Column A = 140-200% of transformer rating and Column B = 200-300% of transformer rating.

Fuses recommended in Table 18 must be mounted in a 15.5kV mounting code 5 drywell canister.

Recommended fuses meet inrush criteria of 12 times transformer full load current for 0.1 second and 25 times transformer full load current for 0.01 second. Fuses also meet cold load pickup criteria of 6 times transformer full load current for 1 second and 3 times transformer full load current for 10 seconds.

Shaded areas indicate parallel fuse applications.

- a Fuse allows greater than 300% of transformer rating.
- b Fuse allows greater than 200% of transformer rating.
- c Recommendations limited to gndY-gndY transformers with no more than 50% delta connected secondary load. Phase-to-ground rated fuses are frequently recommended for gndY-gndY three phase transformers. In some cases, the fuses recommended in Table 18 may be suitable for use with transformers that are not gndY-gndY (contact the factory further information).

TABLE 19 – RECOMMENDED TRANS-GUARD™ FX MOUNTED IN AIR AT 40°C AMBIENT TEMPERATURE

Fuse Voltage	Recommended Fuse Current Ratings (Amperes)																			
	8.3kV						15.5kV						23kV							
	Transformer 3-Phase Voltage Rating (kV) Phase-to-Phase																			
3-Phase Transformer kVA	2.4		4.16		4.8		7.2-7.96		8.32		12.47		13.2-14.4		20.8		22.9-24.9 ^c		34.5 ^c	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
15		6		3		3		3 ^a		3 ^a		3 ^a		3 ^a		6 ^a		6 ^a		6 ^a
22.5		8		6 ^a		6 ^a		3 ^a		3 ^a		3 ^a		3 ^a		6 ^a		6 ^a		6 ^a
30	10 ^b	12		6		6		6 ^a		3		3 ^a		3 ^a		6 ^a		6 ^a		6 ^a
45	12	18		8		8		6 ^a		6 ^a		3		3		6 ^a		6 ^a		6 ^a
75	20	40	12	18	12 ^b	18		8		8		6		6 ^a		6 ^a		6 ^a		6 ^a
100	25	40	18	20	18	20		12	10 ^b	12		8		6		6 ^a		6 ^a		6 ^a
112.5	30	50	20	25	18	20	12 ^b	18		12		8		8		6 ^a		6 ^a		6 ^a
150	40	(65)	25	30	20	25	18	20	12	18	10 ^b	12	8 ^b	10		6		6		6 ^a
200	(65)	(80)	30	50	25	40	20	25	18	20	12 ^b	18	12 ^b	18		8		8		6 ^a
225	(65)	100	40	(65)	40	50	25	30	20	30	12	18	12 ^b	18	8	10		8		6
300	(80)	(130)	50	(80)	40	(65)	25	40	25	30	18	20	18	20		12	10	12		8
500	(160)	250	(80)	(130)	(80)	125	50	(65)	40	(65)	25	40	25	40	18	25	18	25	12 ^b	18
750	250		(130)	200	125	(160)	(65)	100	(65)	(80)	40	65	40	65	25	40	20	40	18	25
1000			200	250	(160)	250	100	(130)	(80)	(130)	65	100	65	80	30	50	30	50	20	25
1500					250		(160)	200	(130)	200 ^c	100	130	80	130	50		50		25	50
2000							200			200 ^c	250 ^c	130	200	100	160				40	
2500												160	200	130	200				50	
3000												200		200						

FX Full-Range CL Fuses

NOTES:

Column A = 140-200% of transformer rating and Column B = 200-300% of transformer rating.

Recommended fuses meet inrush criteria of 12 times transformer full load current for 0.1 second and 25 times transformer full load current for 0.01 second. Fuses also meet cold load pickup criteria of 6 times transformer full load current for 1 second and 3 times transformer full load current for 10 seconds.

Shaded areas indicate parallel fuse applications.

Ratings in parenthesis are 2.2" dia. fuses (model numbers HTFX230065 and HTFX230080).

- a Fuse allows greater than 300% of transformer rating.
- b Fuse allows greater than 200% of transformer rating.
- c Recommendations limited to gndY-gndY transformers with no more than 50% delta connected secondary load. Phase-to-ground rated fuses are frequently recommended for gndY-gndY three phase transformers.

FUSE ORDERING INFORMATION

To order the proper fuse for a particular application, first determine the correct fuse voltage and current rating using either the appropriate application table (Tables 15-19) or the published performance data (Tables 13-14, the applicable TCC's and Peak Let-through Characteristics). Then refer to Table 20 to determine the appropriate catalog number.

TABLE 20 – FUSE CATALOG NUMBERS

Current Rating (Amps)	Fuse Diameter (in)	Catalog Number			
		5.5kV	8.3kV	15.5kV	23.0kV
3	2.2	-	HTFX230003	HTFX240003	-
6		-	HTFX230006	HTFX240006	HTFX250006
8		-	HTFX230008	HTFX240008	HTFX250008
10		-	HTFX230010	HTFX240010	HTFX250010
12		-	HTFX230012	HTFX240012	HTFX250012
18		-	HTFX230018	HTFX240018	HTFX250018
20		-	HTFX230020	HTFX240020	HTFX250020
25		-	HTFX230025	HTFX240025	HTFX250025
30		-	HTFX230030	HTFX240030	HTFX250030
40		-	HTFX230040	HTFX240040	HTFX250040
50		-	HTFX230050	HTFX240050	HTFX250050
60		-	HTFX230030	HTFX240030	-
65		-	HTFX230065	-	-
80		-	HTFX230080	-	-
80		-	HTFX230040	HTFX240040	-
100		-	HTFX230050	HTFX240050	-
130		-	HTFX230065	-	-
160		-	HTFX230080	-	-
65	3.3	-	HTFX330065	HTFX340065	-
80		HTFX320080	HTFX330080	HTFX340080	-
100		HTFX320100	HTFX330100	HTFX340100	-
125		HTFX320125	HTFX330125	-	-
130		-	HTFX330065	HTFX340065	-
150		HTFX320150	-	-	-
160		-	HTFX330080	HTFX340080	-
200		HTFX320200	-	-	-
200		-	HTFX330100	HTFX340100	-
250		-	HTFX330125	-	-

FX Full-Range
CL Fuses

NOTES:

1. To order a fuse having a blown fuse indicator, replace the 7th character ("0") in the catalog number with a "1" (EXAMPLE: HTFX241040). Please note that indicator fuses are not suitable for use in drywell canister applications. Also, an indicator option is not available on 3A fuses.
2. Contact factory for ordering information concerning available outdoor and under-oil fuse versions.
3. Shaded current ratings shown are achieved by using a parallel combination of two fuses (order two fuses).