

Eaton CX Fuses



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## CX, CXI and CXN Type Fuses

### Applications

Eaton's CX, CXI and CXN general purpose current limiting fuses are designed specifically to provide complete fault protection on high capacity indoor and underground distribution systems. These fuses are C-rated and exceed the requirements of C37 standards for general purpose distribution current limiting fuses.

- Pad-mounted and submersible three-phase and single-phase transformers
- Pad-mounted and submersible switch and fuse units
- Station service protection
- Primary switch and fuse units on mine rectifiers

**Note:** CXI fuses are not suitable for submersible applications.

CXN fuses are applied in:

- Power transformer protection
- Power centers
- Load interrupters
- Feeder circuit protection
- Mine rectifiers

### CX, CXI and CXN Features

CX and CXN type current limiting fuses offer a number of desirable advantages. Consider the following during the selection process:

- **Quiet Safe Operation:** CX and CXN fuses are non-indicating devices—CXI fuses are indicating devices. These fuses will clear all currents from their minimum melting current to their maximum interrupting rating without any external disturbance or expulsion of gas
- **Limits Fault Current Let-Through:** The let-through current for a high short-circuit fault is limited to a value far below the available peak current because the current is forced to zero before the end of the first half cycle
- **Arc-Voltage Protection:** CX and CXN fuses control the arc voltage that is produced during current limitation to less than three times the normal operating voltage rating
- **Maintains Non-Conductance After Interruption:** An inorganic core with spaced arc guards prevent internal flash through when rated voltage remains across the fuse after interruption
- **Fits Many Mountings:** CX and CXN fuses can be used in disconnect and non-disconnect mountings. CX fuses can be used in EFD load break switches through 8.3 kV and dry well drawout fuse holders
- **Interchangeable:** CX and CXI fuses are a direct replacement for competitive general purpose distribution class current limiting fuses

**CXN Construction**

CXN type fuses are constructed with pure silver fuse elements, high purity silica sand filler with controlled grain size, an inorganic core with spaced arc suppressors, and a glass melamine or glass epoxy outer casing.

The end studs of CXN fuses are identical to the CX type. However, CXN fuses have a much higher C-rating, are longer in physical length and larger in diameter. The diameters are 3 or 4 inches depending on the ratings.

**CXN Ratings**

The C-rating range is from 60C to 300C at 8.3 kV, with some ratings including 300C being achieved by paralleling two (2) 150C single barrel fuses.

At 15 kV, the ranges are 45C to 175C, with 120C, 150C and 175C being achieved by paralleling single barrel fuses.

The tested and approved parallel ratings are specified in the product selection tables.

**CX Construction and Operation**

CX and CXI type fuses are constructed with pure silver fuse elements, high purity silica sand filler with controlled grain size, an inorganic core with spaced arc suppressors, and a glass melamine or glass epoxy outer casing.

During a high fault current, the silver element(s) melts almost instantly losing energy to the surrounding sand. The energy melts the sand forming a glass-like substance commonly referred to as "fulgurite." The arc voltage rapidly increases to about three times the fuse voltage rating, forcing the current to zero. The fault current is interrupted in one-half cycle or less without noise or expulsion of gases.

Current limiting action occurs only when the current is above the threshold current for the fuse, that is, the current is high enough to melt the fuse elements) before the peak value of current is reached in the first half cycle.

Low level currents are cleared by the melting of a tin solder drop on the fuse element that in turn causes the silver element to melt. This is called the M-effect. The silver element then burns back until there is sufficient internal gap to interrupt the current.

In some instances where the required C-rating exceeds the limits of CX fuses, it is possible to move the live parts to accommodate the longer CXN fuse, and where space and clearances present no problem, the larger CXN fuse can be substituted for a CX fuse.

Product Selection

CX Type

CX Type



CX Type Current Limiting Fuses 4.3 kV Maximum (2.4 kV Nominal)

Current Rating (Amperes)	Barrel Number	Interrupting Rating rms (kA Sym.)	Fuse Mounting Code	Diameter Approximate Dimensions in Inches (mm)	Length (254.0)	Approximate Shipping Weight Lbs (kg)	Performance Curves				Catalog Number
							Minimum Melting Time	Total Clearing Time	Peak Let-Through Current	$I^2t$	
<b>Non-Indicating</b>											
18C	1	50	G	1.13 (28.7)	10.00 (254.0)	1 (0.45)	TC70544101	TC70544501	TC70544901	TC70545101	4CX-18C
25C	1	50	G	1.13 (28.7)	10.00 (254.0)	1 (0.45)	TC70544101	TC70544501	TC70544901	TC70545101	4CX-25C
35C	1	50	G	2.00 (50.8)	10.00 (254.0)	1 (0.45)	TC70544101	TC70544501	TC70544901	TC70545101	4CX-35C
45C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544101	TC70544501	TC70544901	TC70545101	4CX-45C
50C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544101	TC70544501	TC70544901	TC70545101	4CX-50C
60C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544102	TC70544502	TC70544901	TC70545101	4CX-60C
65C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544102	TC70544501	TC70544901	TC70545101	4CX-65C
75C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544102	TC70544501	TC70544901	TC70545101	4CX-75C
80C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544102	TC70544502	TC70544901	TC70545101	4CX-80C
100C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544102	TC70544501	TC70544901	TC70545101	4CX-100C
<b>Indicating</b>											
18C	1	50	G	1.13 (28.7)	10.00 (254.0)	1 (0.45)	TC70544101	TC70544501	TC70544901	TC70545101	4CXI-18C
25C	1	50	G	1.13 (28.7)	10.00 (254.0)	1 (0.45)	TC70544101	TC70544501	TC70544901	TC70545101	4CXI-25C
35C	1	50	G	2.00 (50.8)	10.00 (254.0)	1 (0.45)	TC70544101	TC70544501	TC70544901	TC70545101	4CXI-35C
45C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544101	TC70544501	TC70544901	TC70545101	4CXI-45C
50C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544101	TC70544501	TC70544901	TC70545101	4CXI-50C
60C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544102	TC70544502	TC70544901	TC70545101	4CXI-60C
65C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544102	TC70544501	TC70544901	TC70545101	4CXI-65C
75C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544102	TC70544501	TC70544901	TC70545101	4CXI-75C
80C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544102	TC70544502	TC70544901	TC70545101	4CXI-80C
100C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544102	TC70544501	TC70544901	TC70545101	4CXI-100C

CX Type Mountings and Hardware 4.3 kV Maximum (2.4 kV Nominal)

Ampere Rating	Fuse Mounting Type <sup>①</sup>	Size	Voltage BIL (kV)	Mounting (Including Live Parts, End Fittings) <sup>②</sup>		Live Parts (Including End Fittings) <sup>②</sup>	End Fittings (Disconnect Only)
				Porcelain Insulator Catalog Number	Glass-Polyester Insulator Catalog Number		
18C–100C	Non-disconnect	A	60	—	5CX-GNM-G	CX-NL	—
	Disconnect	A	60	—	5CX-GDM-G	CX-DL	CX-DF

Notes

- <sup>①</sup> See Page V14-T3-38 for diagram of typical mounting.
- <sup>②</sup> End fittings supplied only when required.

CX Type



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#### CX Type Current Limiting Fuses 5.5 kV Maximum (4.8 kV Nominal)

Current Rating (Amperes)	Barrel Number	Interrupting Rating rms (kA Sym.)	Fuse Mounting Code	Diameter	Length	Approximate Shipping Weight Lbs (kg)	Performance Curves			Catalog Number	
				Approximate Dimensions in Inches (mm)	Minimum Melting Time		Total Clearing Time	Peak Let-Through Current	$I^2t$		
<b>Non-Indicating</b>											
10C	1	50	G	1.13 (28.7)	10.00 (254.0)	1 (0.45)	TC70544201	TC70544601	TC70544902	TC70545201	5CX-10C
12C	1	50	G	1.13 (28.7)	10.00 (254.0)	1 (0.45)	TC70544201	TC70544601	TC70544902	TC70545201	5CX-12C
18C	1	50	G	1.13 (28.7)	10.00 (254.0)	1 (0.45)	TC70544201	TC70544601	TC70544902	TC70545201	5CX-18C
20C	1	50	G	1.13 (28.7)	10.00 (254.0)	1 (0.45)	TC70544201	TC70544601	TC70544902	TC70545201	5CX-20C
21C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544202	TC70544602	TC70544902	TC70545201	5CX-21C
25C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544201	TC70544601	TC70544902	TC70545201	5CX-25C
30C	1	50	G	1.13 (28.7)	10.00 (254.0)	1 (0.45)	TC70544201	TC70544601	TC70544902	TC70545201	5CX-30C
35C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544202	TC70544602	TC70544902	TC70545201	5CX-35C
40C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544201	TC70544601	TC70544902	TC70545201	5CX-40C
50C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544201	TC70544601	TC70544902	TC70545201	5CX-50C
60C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544202	TC70544602	TC70544902	TC70545201	5CX-60C
65C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544201	TC70544601	TC70544902	TC70545201	5CX-65C
75C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544201	TC70544601	TC70544902	TC70545201	5CX-75C
<b>Indicating</b>											
10C	1	50	G	1.13 (28.7)	10.00 (254.0)	1 (0.45)	TC70544201	TC70544601	TC70544902	TC70545201	5CXI-10C
12C	1	50	G	1.13 (28.7)	10.00 (254.0)	1 (0.45)	TC70544201	TC70544601	TC70544902	TC70545201	5CXI-12C
18C	1	50	G	1.13 (28.7)	10.00 (254.0)	1 (0.45)	TC70544201	TC70544601	TC70544902	TC70545201	5CXI-18C
20C	1	50	G	1.13 (28.7)	10.00 (254.0)	1 (0.45)	TC70544201	TC70544601	TC70544902	TC70545201	5CXI-20C
21C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544202	TC70544602	TC70544902	TC70545201	5CXI-21C
25C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544201	TC70544601	TC70544902	TC70545201	5CXI-25C
30C	1	50	G	1.13 (28.7)	10.00 (254.0)	1 (0.45)	TC70544201	TC70544601	TC70544902	TC70545201	5CXI-30C
35C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544202	TC70544602	TC70544902	TC70545201	5CXI-35C
40C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544201	TC70544601	TC70544902	TC70545201	5CXI-40C
50C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544201	TC70544601	TC70544902	TC70545201	5CXI-50C
60C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544202	TC70544602	TC70544902	TC70545201	5CXI-60C
65C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544201	TC70544601	TC70544902	TC70545201	5CXI-65C
75C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544201	TC70544601	TC70544902	TC70545201	5CXI-75C

#### CX Type Mountings and Hardware 5.5 kV Maximum (4.8 kV Nominal)

Ampere Rating	Fuse Mounting Type <sup>①</sup>	Size	Voltage BIL (kV)	Mounting (Including Live Parts, End Fittings) <sup>②</sup>		Live Parts (Including End Fittings) <sup>②</sup>	End Fittings (Disconnect Only)
				Porcelain Insulator Catalog Number	Glass-Polyester Insulator Catalog Number	Catalog Number	Catalog Number
10C-75C	Non-disconnect	A	60	—	5CX-GNM-G	CX-NL	—
	Disconnect	A	60	—	5CX-GDM-G	CX-DL	CX-DF

**Notes**

- ① See Page V14-T3-38 for diagram of typical mounting.
- ② End fittings supplied only when required.

### CX Type



### CX Type Current Limiting Fuses 8.3 kV Maximum (7.2 kV Nominal)

Current Rating (Amperes)	Barrel Number	Interrupting Rating rms (kA Sym.)	Fuse Mounting Code	Diameter	Length	Approximate Shipping Weight Lbs (kg)	Performance Curves			Catalog Number	
				Approximate Dimensions in Inches (mm)	Approximate Dimensions in Inches (mm)		Minimum Melting Time	Total Clearing Time	Peak Let-Through Current		$I^2t$
<b>Non-Indicating</b>											
3.5C	1	50	G	1.13 (28.7)	10.00 (254.0)	2 (0.91)	TC70544302	TC70544702	TC70545001	TC70545301	8CX-3.5C
4C	1	50	G	1.13 (28.7)	10.00 (254.0)	2 (0.91)	TC70544302	TC70544702	TC70545001	TC70545301	8CX-4C
4.5C	1	50	G	1.13 (28.7)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CX-4.5C
6C	1	50	G	1.13 (28.7)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CX-6C
7C	1	50	G	1.13 (28.7)	10.00 (254.0)	2 (0.91)	TC70544302	TC70544702	TC70545001	TC70545301	8CX-7C
8C	1	50	G	1.13 (28.7)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CX-8C
10C	1	50	G	1.13 (28.7)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CX-10C
12C	1	50	G	1.13 (28.7)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CX-12C
15C	1	50	G	1.13 (28.7)	10.00 (254.0)	2 (0.91)	TC70544302	TC70544702	TC70545001	TC70545301	8CX-15C
18C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CX-18C
20C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CX-20C
25C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CX-25C
30C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CX-30C
35C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544302	TC70544702	TC70545001	TC70545301	8CX-35C
40C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CX-40C
<b>Indicating</b>											
3.5C	1	50	G	1.13 (28.7)	10.00 (254.0)	2 (0.91)	TC70544302	TC70544702	TC70545001	TC70545301	8CXI-3.5C
4C	1	50	G	1.13 (28.7)	10.00 (254.0)	2 (0.91)	TC70544302	TC70544702	TC70545001	TC70545301	8CXI-4C
4.5C	1	50	G	1.13 (28.7)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CXI-4.5C
6C	1	50	G	1.13 (28.7)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CXI-6C
7C	1	50	G	1.13 (28.7)	10.00 (254.0)	2 (0.91)	TC70544302	TC70544702	TC70545001	TC70545301	8CXI-7C
8C	1	50	G	1.13 (28.7)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CXI-8C
10C	1	50	G	1.13 (28.7)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CXI-10C
12C	1	50	G	1.13 (28.7)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CXI-12C
15C	1	50	G	1.13 (28.7)	10.00 (254.0)	2 (0.91)	TC70544302	TC70544702	TC70545001	TC70545301	8CXI-15C
18C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CXI-18C
20C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CXI-20C
25C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CXI-25C
30C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CXI-30C
35C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544302	TC70544702	TC70545001	TC70545301	8CXI-35C
40C	1	50	G	2.00 (50.8)	10.00 (254.0)	2 (0.91)	TC70544301	TC70544701	TC70545001	TC70545301	8CXI-40C

### CX Type Mountings and Hardware 8.3 kV Maximum (7.2 kV Nominal)

Ampere Rating	Fuse Mounting Type ①	Size	Voltage BIL (kV)	Mounting (Including Live Parts, End Fittings) ②		Live Parts (Including End Fittings) ②	End Fittings (Disconnect Only)
				Porcelain Insulator Catalog Number	Glass-Polyester Insulator Catalog Number		
3.5C-40C	Non-disconnect	B	75	—	8CX-GNM-G	CX-NL	—
	Disconnect	B	75	—	8CX-GDM-G	CX-DL	CX-DF

#### Notes

- ① See Page V14-T3-38 for diagram of typical mounting.
- ② End fittings supplied only when required.

#### CX Type



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#### CX Type Current Limiting Fuses 15.5 kV Maximum (14.4 kV Nominal)

Current Rating (Amperes)	Barrel Number	Interrupting Rating rms (kA Sym.)	Fuse Mounting Code	Diameter	Length	Approximate Shipping Weight Lbs (kg)	Performance Curves			Catalog Number	
				Approximate Dimensions in Inches (mm)	Minimum Melting Time		Total Clearing Time	Peak Let-Through Current	$I^2t$		
<b>Non-Indicating</b>											
4C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CX-4C
6C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CX-6C
7C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544402	TC70544802	TC70545002	TC70545401	15CX-7C
8C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CX-8C
10C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CX-10C
12C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CX-12C
15C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544402	TC70544802	TC70545002	TC70545401	15CX-15C
18C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CX-18C
20C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CX-20C
25C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CX-25C
30C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CX-30C
40C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CX-40C
<b>Indicating</b>											
4C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CXI-4C
6C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CXI-6C
7C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544402	TC70544802	TC70545002	TC70545401	15CXI-7C
8C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CXI-8C
10C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CXI-10C
12C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CXI-12C
15C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544402	TC70544802	TC70545002	TC70545401	15CXI-15C
18C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CXI-18C
20C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CXI-20C
25C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CXI-25C
30C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CXI-30C
40C	1	50	G	2.00 (50.8)	14.30 (363.2)	2 (0.91)	TC70544401	TC70544801	TC70545002	TC70545401	15CXI-40C

#### CX Type Mountings and Hardware 15.5 kV Maximum (14.4 kV Nominal)

Ampere Rating	Fuse Mounting Type ①	Size	Voltage BIL (kV)	Mounting (Including Live Parts, End Fittings) ②		Live Parts (Including End Fittings) ②	End Fittings (Disconnect Only)
				Porcelain Insulator Catalog Number	Glass-Polyester Insulator Catalog Number		
4C-40C	Non-disconnect	C	95	—	15CX-GNM-G	CX-NL	—
	Disconnect	C	95	—	15CX-GDM-G	CX-DL	CX-DF

#### Notes

- ① See Page V14-T3-38 for diagram of typical mounting.
- ② End fittings supplied only when required.

**CXN Type**

Type CXN



**CXN Type Current Limiting Fuses 8.3 kV Maximum (7.2 kV Nominal)**

Current Rating (Amperes)	Barrel Number	Interrupting Rating rms (kA Sym.)	Diameter	Length	Approximate Shipping Weight Lbs (kg)	Performance Curves			Catalog Number
			Approximate Dimensions in Inches (mm)	Minimum Melting Time		Total Clearing Time	Peak Let-Through Current		
60C	1	50	3.00 (76.2)	18.80 (477.5)	8 (3.63)	TC66675102	TC66675202	TC66664902	8CXN-60C
100C	1	50	3.00 (76.2)	18.80 (477.5)	8 (3.63)	TC66675102	TC66675202	TC66664902	8CXN-100C
125C	1	50	4.00 (101.6)	18.80 (477.5)	14 (6.36)	TC66675102	TC66675202	TC66664902	8CXN-125C
150C	1	50	4.00 (101.6)	18.80 (477.5)	14 (6.36)	TC66675102	TC66675202	TC66664902	8CXN-150C
200C	1	50	4.00 (101.6)	18.80 (477.5)	14 (6.36)	TC66675102	TC66675202	TC66664902	8CXN-200C
250C	1	50	4.00 (101.6)	18.80 (477.5)	14 (6.36)	TC66675102	TC66675202	TC66664902	8CXN-250C
120C	2	50	3.00 (76.2)	18.80 (477.5)	16 (7.26)	TC66675104	TC66675204	TC66664902	2 X 60C 8CXN-120C
200C	2	50	3.00 (76.2)	18.80 (477.5)	16 (7.26)	TC66675104	TC66675204	TC66664902	2 X 100C 8CXN-200C
250C	2	50	3.00 (76.2)	18.80 (477.5)	16 (7.26)	TC66675104	TC66675204	TC66664902	2 X 125C 8CXN-250C
300C	2	50	4.00 (101.6)	18.80 (477.5)	28 (12.71)	TC66675104	TC66675204	TC66664902	2 X 150C 8CXN-300C

**CXN Type Mountings and Hardware 8.3 kV Maximum (7.2 kV Nominal)**

Ampere Rating	Fuse Mounting Type ①	Voltage LIWL (BIL)	Glass Polyester Insulator Mounting (Including Live Parts, End Fittings) ② Catalog Number	Live Parts ② Catalog Number	End Fittings (Disconnect Only) Catalog Number
60C–100C Single barrel	Non-disconnect	95	15CXN-GNM-D	15CXN-NL-D	—
	Non-disconnect	95	15CXN-GNM-G	15CXN-NL-G	—
	Disconnect	95	15CXN-GDM-G	15CXN-DL-G	15CXN-DF-G
125C–250C Single barrel	Non-disconnect	95	15CXN-GNM-F	15CXN-NL-F	—
	Non-disconnect	95	15CXN-GNM-G	15CXN-NL-G	—
	Disconnect	95	25CXN-GDM-G	15CXN-DL-G	15CXN-DF-G
120C, 200C Double barrel	Non-disconnect	95	15CXN-GNM-D	15CXN-NL-D	—
250C, 300C Double barrel	Non-disconnect	95	15CXN-GNM-F	15CXN-NL-F	—

**Notes**

- ① See Page V14-T3-38 for diagram of typical mounting.
- ② End fittings supplied only when required.

## CXN Type

3



## CXN Type Current Limiting Fuses 15.5 kV Maximum (14.4 kV Nominal)

Current Rating (Amperes)	Barrel Number	Interrupting Rating rms (kA Sym.)	Diameter	Length	Approximate Shipping Weight Lbs (kg)	Performance Curves			Catalog Number
			Approximate Dimensions in Inches (mm)			Minimum Melting Time	Total Clearing Time	Peak Let-Through Current	
45C	1	50	3.00 (76.2)	18.80 (477.5)	8 (3.63)	TC66674802	TC66675002	TC66665002	15CXN-45C
60C	1	50	3.00 (76.2)	18.80 (477.5)	8 (3.63)	TC66674802	TC66675002	TC66665002	15CXN-60C
75C	1	50	4.00 (101.6)	18.80 (477.5)	14 (6.36)	TC66674802	TC66675002	TC66665002	15CXN-75C
85C	1	50	4.00 (101.6)	18.80 (477.5)	14 (6.36)	TC66674802	TC66675002	TC66665002	15CXN-85C
100C	1	50	4.00 (101.6)	18.80 (477.5)	14 (6.36)	TC66674802	TC66675002	TC66665002	15CXN-100C
90C	2	50	3.00 (76.2)	18.80 (477.5)	16 (7.26)	TC66674804	TC66675004	TC66665002	2 X 45C 15CXN-90C
120C	2	50	3.00 (76.2)	18.80 (477.5)	16 (7.26)	TC66674804	TC66675004	TC66665002	2 X 60C 15CXN-120C
150C	2	50	4.00 (101.6)	18.80 (477.5)	28 (12.71)	TC66674804	TC66675004	TC66665002	2 X 75C 15CXN-150C
175C	2	50	4.00 (101.6)	18.80 (477.5)	28 (12.71)	TC66674804	TC66675004	TC66665002	2 X 85C 15CXN-175C

## CXN Type Mountings and Hardware 15.5 kV Maximum (14.4 kV Nominal)

Ampere Rating	Fuse Mounting Type ①	Voltage LIWL (BIL)	Glass Polyester Insulator Mounting (Including Live Parts, End Fittings) ② Catalog Number	Live Parts ② Catalog Number	End Fittings (Disconnect Only) Catalog Number
45C–60C Single barrel	Non-disconnect	95	15CXN-GNM-D	15CXN-NL-D	—
	Non-disconnect	95	15CXN-GNM-G	15CXN-NL-G	—
	Disconnect	95	15CXN-GDM-G	15CXN-DL-G	15CXN-DF-G
75C–100C Single barrel	Non-disconnect	95	15CXN-GNM-F	15CXN-NL-F	—
	Non-disconnect	95	15CXN-GNM-G	15CXN-NL-G	—
	Disconnect	95	25CXN-GDM-G	15CXN-DL-G	15CXN-DF-G
90C, 120C Double barrel	Non-disconnect	95	15CXN-GNM-D	15CXN-NL-D	—
150C, 175C Double barrel	Non-disconnect	95	15CXN-GNM-F	15CXN-NL-F	—

**Notes**

① See Page V14-T3-38 for diagram of typical mounting.

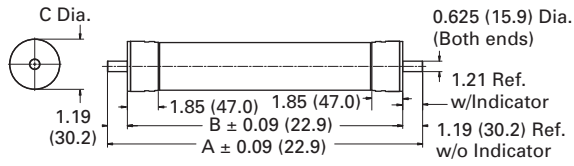
② End fittings supplied only when required.



### Dimensions

Approximate Dimensions in Inches (mm).

#### CXN Type Fuse



#### CXN Type Fuse Dimensional Details

Maximum kV	Ampere Rating	Dimensions		
		A	B	C
8.3	60–100	18.86 (479.0)	16.41 (416.8)	3.00 (76.2)
8.3	125–250	18.86 (479.0)	16.41 (416.8)	4.00 (101.6)
15.5	45–60	18.86 (479.0)	18.86 (479.0)	3.00 (76.2)
15.5	75–100	18.86 (479.0)	18.86 (479.0)	4.00 (101.6)

#### CX Type Fuse

