



Ferraz Shawmut
Current-Limiting Power Fuses
Formerly GE Current-Limiting Power Fuses

Ferraz Shawmut LLC acquired General Electric's Power Fuse operations from GE Consumer & Industrial on December 3rd, 2007. Since then, all Current-Limiting Power Fuses, Fuse Supports, Fuse Disconnect Switches and Spare Parts offered by GE are now available from Ferraz Shawmut and will bring a strategic complement to our existing Medium Voltage fuse line.

9F60 series, EJ-2 type (Motor Starters) (UL Recognized)

Backup current-limiting power fuses designed to provide short circuit protection of individual motors. These fuses are designed to interrupt current from 100 times the R-rating up to 50kA rms symmetrical at rated voltage. The elements of these fuses are designed to withstand the cyclic motor-starting application.

9F60 series, EJ-5 / EJO-5 type (Capacitor)

Special-purpose fuses designed for individual capacitor protection. The EJ-5 is designed for use indoors or inside an enclosure only. The EJO-5 models can be used outdoors. The major purposes of such fusing are: (a) to protect the systems from failed capacitor units, and (b) to prevent damage to adjacent capacitors and associated equipment.

9F60 series, EJ-1 / EJO-1 type (Power Distribution)

Current limiting power fuses designed not only to interrupt the high-fault currents but also to interrupt low-fault currents down to approximately 3 times their continuous rating. The EJO-1 models can be used outdoors without any protecting enclosure.

9F62 series, EJO-1 type (General Purpose) (UL Listed)

General Purpose current-limiting fuses designed to interrupt the high-fault currents and also the low-fault currents down to approximately 1.6 times their continuous current rating. These fuses can be used outdoors without any protecting enclosure.

9F61 series, EK-1 / EKO-1 (Fuse Supports)

Mountings of the non-disconnecting type are available. They are used primarily in potential transformer circuits, or where there is some other disconnecting or isolating device in series with the fuse in the circuit. Fuse supports can be mounted vertically or horizontally. The EKO-1 models are designed to be installed outdoors.

9F61 series, EK-3 / EKO-3 (Fuse Disconnect Switches)

These devices have the additional feature of serving as disconnecting switches to isolate the equipment they protect. It should be noted that the disconnecting switches are not load-breaking devices, therefore the circuit must be open prior to the fuse disconnection. The EKO-3 models are designed to be installed outdoors.

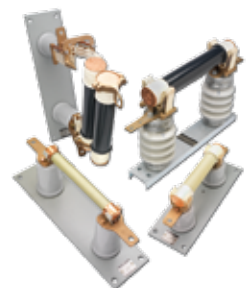
9F59U series, ETP type (Distribution Applications)

Backup current-limiting fuses designed to protect external transformers are used in series with another protective device (such as an expulsion fuse). This combination limits the high-fault current to a safe level, thus providing protection through the complete range.

9F59T series, OSP type (Distribution Applications)

Backup current-limiting fuses are designed to be used in series with another protective device (such as an expulsion fuse) to give protection through the complete range. OSP stands for Oil Submerged Protector. These fuses are sealed against the ingress of oil. Each fuse is given a helium mass spectrometer leak test to prove the integrity of the seal.

For additional information please consult our website us.ferrazshawmut.com or contact our technical support team.



Current-Limiting Power Fuses



Application

Medium-voltage distribution systems that supply industrial plants, shopping centers, hospitals, schools, office buildings and underground residential service often require special types of overcurrent protection. This is of particular importance because, in the event of a fault, these types of systems frequently produce high short-circuit currents that may result in damage to busway, motors, switches and other equipment. Current-limiting power fuses are widely used in these applications because they afford excellent over-current protection and noiseless operation, and because they can be used in confined spaces. The amount of damage in the faulted area and the mechanical stress and strain on busway, switches and other apparatus carrying the fault current is proportional to the square of the current and to the length of time the fault persists. By limiting the let through energy at the fault, properly applied current-limiting fuses assist in limiting or preventing short-circuit damage to busway, circuit breakers, switches, and other electrical components. Current-limiting power fuses are manufactured in ratings ranging from 0.6 kV through 38 kV and in continuous current ratings from 0.5 amperes through 900 amperes. Various designs are available for use with motors, transformers, capacitors, and circuit-protection equipment.

Product Features

Current-limiting power fuses offer significant advantages for protecting electrical power systems and equipment. Advantages include:

- High interrupting capacity
- Noiseless operation, since the interruption is totally contained
- Fast current-limiting operation when troublesome high available fault currents are encountered
- No pressure build-up, therefore, no vents or special reinforced compartments are required

Capacitor Fuses

9F60 Series

EJO-5 9F60

Suitable for use indoors or outdoors



Product Description

Backup Capacitor current-limiting fuses are designed for individual capacitor protection. The EJO-5 can be used in any location (indoor or outdoor). The major purposes of such fusing are: (a) to protect the systems from failed capacitor units, and (b) to prevent damage to adjacent capacitors and associated equipment.

12" Clip Centers Clip-in Mounting¹ Indoor or Outdoor

Catalog Number	Max. kV	Amp Rating	No. of Barrels	Indicating	Size/Diam/Length	I/C Sym.	TCC min/max GES
9F60RJD025	5.5	25	1	YES	C/2.08"/14.00"	50kA	8118/8119
9F60RJD040	5.5	40	1	YES	C/2.08"/14.00"	50kA	8118/8119
9F60RJD080	5.5	80	1	YES	C/2.08"/14.00"	50kA	8120/8121
9F60RJF015	9.52	15	1	YES	C/2.08"/14.00"	50kA	8118/8119
9F60RJF025	9.52	25	1	YES	C/2.08"/14.00"	50kA	8120/8121
9F60RJF040	9.52	40	1	YES	C/2.08"/14.00"	50kA	8120/8121

¹EJO-5 capacitor fuses are typically mounted directly on the capacitor. No supports, disconnect switches, or live parts are available.

Current-Limiting Power Fuses

General Purpose Fuses

9F62 Series

EJO-1 General Purpose

UL Listed

Suitable for use indoors or outdoors

Product Description

General Purpose current-limiting fuses are designed to interrupt the high-fault currents and also the low-fault currents down to approximately 1.6 to 2.2 times their continuous current rating. This fuse is defined in the IEEE Std C37.40 -1993 (3.1.57) as "A fuse capable of interrupting all currents from the rated interrupting current down to the current that causes melting of the fusible element in no less than one hour." These fuses can be used outdoors without any protecting enclosure. Available from 5.5 to 15.5kV and 20 to 900A.



12" Clip Centers Clip-in Mounting Indoor or Outdoor

Catalog Number	Max kV	Amp Rating	No. of Barrels	Indicating	Size/Diam/Length	I/C Sym.	TCC min/max GES	Fuse Support, Indoor	Fuse Support, Outdoor	Disconnecting Switch, Indoor	Disconnecting Switch, Outdoor
9F62HCB025	5.5	25	1	YES	C/2"/14.18"	50 kA	8134/8135	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F62HCB030	5.5	30	1	YES	C/2"/14.18"	50 kA	8134/8135	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F62HCB040	5.5	40	1	YES	C/2"/14.18"	50 kA	8134/8135	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F62HCB050	5.5	50	1	YES	C/2"/14.18"	50 kA	8134/8135	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F62HCB065	5.5	65	1	YES	C/2"/14.18"	50 kA	8134/8135	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F62DCB080	5.5	80	1	YES	D/3"/15.88"	50 kA	8134/8135	9F61AEB301	9F61CEF309	9F61AEB305	9F61CEF310
9F62DCB100	5.5	100	1	YES	D/3"/15.88"	50 kA	8134/8135	9F61AEB301	9F61CEF309	9F61AEB305	9F61CEF310
9F62DCB125	5.5	125	1	YES	D/3"/15.88"	50 kA	8134/8135	9F61AEB301	9F61CEF309	9F61AEB305	9F61CEF310
9F62DCB150	5.5	150	1	YES	D/3"/15.88"	50 kA	8134/8135	9F61AEB301	9F61CEF309	9F61AEB305	9F61CEF310
9F62DCB175	5.5	175	1	YES	D/3"/15.88"	50 kA	8134/8135	9F61AEB301	9F61CEF309	9F61AEB305	9F61CEF310
9F62DCB200	5.5	200	1	YES	D/3"/15.88"	50 kA	8134/8135	9F61AEB301	9F61CEF309	9F61AEB305	9F61CEF310
9F62FCB250	5.5	250	2	YES	DD/(2) 3"/15.88"	50 kA	8134/8135	9F61AEB401	9F61CEF409	9F61AEB405	9F61CEF410
9F62FCB300	5.5	300	2	YES	DD/(2) 3"/15.88"	50 kA	8134/8135	9F61AEB401	9F61CEF409	9F61AEB405	9F61CEF410
9F62FCB350	5.5	350	2	YES	DD/(2) 3"/15.88"	50 kA	8134/8135	9F61AEB401	9F61CEF409	9F61AEB405	9F61CEF410
9F62FCB400	5.5	400	2	YES	DD/(2) 3"/15.88"	50 kA	8134/8135	9F61AEB401	9F61CEF409	9F61AEB405	9F61CEF410
9F62FCB450	5.5	450	2	YES	DD/(2) 3"/15.88"	50 kA	8134/8135	9F61AEB401	9F61CEF409	9F61AEB405	9F61CEF410
9F62HCC020	8.3	20	1	YES	C/2"/14.18"	50 kA	8136/8137	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F62HCC025	8.3	25	1	YES	C/2"/14.18"	50 kA	8136/8137	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F62HCC030	8.3	30	1	YES	C/2"/14.18"	50 kA	8136/8137	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F62HCC040	8.3	40	1	YES	C/2"/14.18"	50 kA	8136/8137	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F62HCC050	8.3	50	1	YES	C/2"/14.18"	50 kA	8136/8137	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F62DCC065	8.3	65	1	YES	D/3"/15.88"	50 kA	8136/8137	9F61AEG301	9F61CEF309	9F61AEG305	9F61CEF310
9F62DCC080	8.3	80	1	YES	D/3"/15.88"	50 kA	8136/8137	9F61AEG301	9F61CEF309	9F61AEG305	9F61CEF310
9F62DCC100	8.3	100	1	YES	D/3"/15.88"	50 kA	8136/8137	9F61AEG301	9F61CEF309	9F61AEG305	9F61CEF310
9F62DCC125	8.3	125	1	YES	D/3"/15.88"	50 kA	8136/8137	9F61AEG301	9F61CEF309	9F61AEG305	9F61CEF310
9F62DCC150	8.3	150	1	YES	D/3"/15.88"	50 kA	8136/8137	9F61AEG301	9F61CEF309	9F61AEG305	9F61CEF310
9F62FCC175	8.3	175	2	YES	DD/(2) 3"/15.88"	50 kA	8136/8137	9F61AEG401	9F61CEF409	9F61AEG405	9F61CEF410
9F62FCC200	8.3	200	2	YES	DD/(2) 3"/15.88"	50 kA	8136/8137	9F61AEG401	9F61CEF409	9F61AEG405	9F61CEF410
9F62FCC250	8.3	250	2	YES	DD/(2) 3"/15.88"	50 kA	8136/8137	9F61AEG401	9F61CEF409	9F61AEG405	9F61CEF410

Current-Limiting Power Fuses

Bolted End Fittings Indoor or Outdoor

Catalog Number	Max.kV	Amp Rating	No. of Barrels	Indicating	Size/Diam/Length	I/C Sym.	TCC min/max GES	Fuse Support, Indoor	Fuse Support, Outdoor	Disconnecting Switch, Indoor	Disconnecting Switch, Outdoor
9F62KCB500	5.5	500	4	YES	DDDD/(4) 3"/see outline drawing for dimensions	50 kA	8134/8135	9F61AKB001	9F61CKF009	–	–
9F62KCB600	5.5	600	4	YES	DDDD/(4) 3"/see outline drawing for dimensions	50 kA	8134/8135	9F61AKB001	9F61CKF009	–	–
9F62KCB700	5.5	700	4	YES	DDDD/(4) 3"/see outline drawing for dimensions	50 kA	8134/8135	9F61AKB001	9F61CKF009	–	–
9F62KCB800	5.5	800	4	YES	DDDD/(4) 3"/see outline drawing for dimensions	50 kA	8134/8135	9F61AKB001	9F61CKF009	–	–
9F62KCB900	5.5	900	4	YES	DDDD/(4) 3"/see outline drawing for dimensions	50 kA	8134/8135	9F61AKB001	9F61CKF009	–	–

Current-Limiting Power Fuses

15"Clip Centers Clip-in Mounting Indoor or Outdoor

Catalog Number	Max.kV	Amp Rating	No. of Barrels	Indicating	Size/Diam/Length	I/C Sym.	TCC min/max GES	Fuse Support, Indoor	Fuse Support, Outdoor	Disconnecting Switch, Indoor	Disconnecting Switch, Outdoor
9F62HDD020	15.5	20	1	YES	C/2"/17.20"	50 kA	8138/8139	9F61AGG201 (13.8kV nominal 95 kV BIL), 9F61AGJ201 (14.4kV nominal 110 kV BIL)	9F61CGL209	9F61AGG205 (13.8kV nominal 95 kV BIL), 9F61AGJ205 (14.4kV nominal 110 kV BIL)	9F61CGL210
9F62HDD025	15.5	25	1	YES	C/2"/17.20"	50 kA	8138/8139	9F61AGG201 (13.8kV nominal 95 kV BIL), 9F61AGJ201 (14.4kV nominal 110 kV BIL)	9F61CGL209	9F61AGG205 (13.8kV nominal 95 kV BIL), 9F61AGJ205 (14.4kV nominal 110 kV BIL)	9F61CGL210
9F62HDD030	15.5	30	1	YES	C/2"/17.20"	50 kA	8138/8139	9F61AGG201 (13.8kV nominal 95 kV BIL), 9F61AGJ201 (14.4kV nominal 110 kV BIL)	9F61CGL209	9F61AGG205 (13.8kV nominal 95 kV BIL), 9F61AGJ205 (14.4kV nominal 110 kV BIL)	9F61CGL210
9F62DDD050	15.5	50	1	YES	D/3"/18.88"	50 kA	8138/8139	9F61AGG301 (13.8kV nominal 95 kV BIL), 9F61AGJ301 (14.4kV nominal 110 kV BIL)	9F61CGL309	9F61AGG305 (13.8kV nominal 95 kV BIL), 9F61AGJ305 (14.4kV nominal 110 kV BIL)	9F61CGL310
9F62DDD065	15.5	65	1	YES	D/3"/18.88"	50 kA	8138/8139	9F61AGG301 (13.8kV nominal 95 kV BIL), 9F61AGJ301 (14.4kV nominal 110 kV BIL)	9F61CGL309	9F61AGG305 (13.8kV nominal 95 kV BIL), 9F61AGJ305 (14.4kV nominal 110 kV BIL)	9F61CGL310
9F62DDD080	15.5	80	1	YES	D/3"/18.88"	50 kA	8138/8139	9F61AGG301 (13.8kV nominal 95 kV BIL), 9F61AGJ301 (14.4kV nominal 110 kV BIL)	9F61CGL309	9F61AGG305 (13.8kV nominal 95 kV BIL), 9F61AGJ305 (14.4kV nominal 110 kV BIL)	9F61CGL310
9F62DDD100	15.5	100	1	YES	D/3"/18.88"	50 kA	8138/8139	9F61AGG301 (13.8kV nominal 95 kV BIL), 9F61AGJ301 (14.4kV nominal 110 kV BIL)	9F61CGL309	9F61AGG305 (13.8kV nominal 95 kV BIL), 9F61AGJ305 (14.4kV nominal 110 kV BIL)	9F61CGL310
9F62FDD125	15.5	125	2	YES	DD/(2)3"/18.88"	50 kA	8138/8139	9F61AGG401 (13.8kV nominal 95 kV BIL), 9F61AGJ401 (14.4kV nominal 110 kV BIL)	9F61CGL409	9F61AGG405 (13.8kV nominal 95 kV BIL), 9F61AGJ405 (14.4kV nominal 110 kV BIL)	9F61CGL410
9F62FDD150	15.5	150	2	YES	DD/(2)3"/18.88"	50 kA	8138/8139	9F61AGG401 (13.8kV nominal 95 kV BIL), 9F61AGJ401 (14.4kV nominal 110 kV BIL)	9F61CGL409	9F61AGG405 (13.8kV nominal 95 kV BIL), 9F61AGJ405 (14.4kV nominal 110 kV BIL)	9F61CGL410
9F62FDD175	15.5	175	2	YES	DD/(2)3"/18.88"	50 kA	8138/8139	9F61AGG401 (13.8kV nominal 95 kV BIL), 9F61AGJ401 (14.4kV nominal 110 kV BIL)	9F61CGL409	9F61AGG405 (13.8kV nominal 95 kV BIL), 9F61AGJ405 (14.4kV nominal 110 kV BIL)	9F61CGL410
9F62FDD200	15.5	200	2	YES	DD/(2)3"/18.88"	50 kA	8138/8139	9F61AGG401 (13.8kV nominal 95 kV BIL), 9F61AGJ401 (14.4kV nominal 110 kV BIL)	9F61CGL409	9F61AGG405 (13.8kV nominal 95 kV BIL), 9F61AGJ405 (14.4kV nominal 110 kV BIL)	9F61CGL410

Bolted End Fittings Indoor or Outdoor

Catalog Number	Max.kV	Amp Rating	No. of Barrels	Indicating	Size/Diam/Length	I/C Sym.	TCC min/max GES	Fuse Support, Indoor	Fuse Support, Outdoor	Disconnecting Switch, Indoor	Disconnecting Switch, Outdoor
9F62KED300	15.5	300	4	YES	DDDD/(4) 3"/see outline drawing for dimensions	50 kA	8138/8139	9F61AHG001 (13.8KV nominal, 95 kV BIL), 9F61AHJ001 (14.4KV nominal, 110 kV BIL)	9F61CHL009	N/A	N/A

Current-Limiting Power Fuses

Power Distribution Fuses

9F60 Series, “E” Rated

EJ-1

Suitable for use indoors or in an enclosure only

Product Description

Power distribution current-limiting fuses are designed not only to interrupt the high-fault currents but also to interrupt lowfault currents down to approximately 3 times their continuous rating.



7"Clip Centers Clip-in Mounting Indoor or Enclosure

Catalog Number	Max.kV	Amp Rating	No. of Barrels	Indicating	Size/Diam/Length	I/C Sym.	TCC min/max GES	Fuse Support, Indoor	Fuse Support, Outdoor	Disconnecting Switch, Indoor	Disconnecting Switch, Outdoor
9F60CCB001	2.75	1E	1	YES	C/2"/9.18"	38kA	8106/8107	9F61AAB201	-	9F61AAB205	-
9F60CCB002	2.75	2E	1	YES	C/2"/9.18"	38kA	8106/8107	9F61AAB201	-	9F61AAB205	-
9F60CCB003	2.75	3E	1	YES	C/2"/9.18"	38kA	8106/8107	9F61AAB201	-	9F61AAB205	-
9F60CCB005	2.75	5E	1	YES	C/2"/9.18"	38kA	8106/8107	9F61AAB201	-	9F61AAB205	-
9F60CCB007	2.75	7E	1	YES	C/2"/9.18"	38kA	8106/8107	9F61AAB201	-	9F61AAB205	-
9F60CCB010	2.75	10E	1	YES	C/2"/9.18"	38kA	8106/8107	9F61AAB201	-	9F61AAB205	-
9F60CCB015	2.75	15E	1	YES	C/2"/9.18"	38kA	8106/8107	9F61AAB201	-	9F61AAB205	-
9F60CCB020	2.75	20E	1	YES	C/2"/9.18"	38kA	8106/8107	9F61AAB201	-	9F61AAB205	-
9F60CCB025	2.75	25E	1	YES	C/2"/9.18"	38kA	8106/8107	9F61AAB201	-	9F61AAB205	-
9F60ECB030	2.75	30E	1	YES	D/3"/10.88"	38kA	8106/8107	9F61AAB301	-	9F61AAB305	-
9F60ECB040	2.75	40E	1	YES	D/3"/10.88"	38kA	8106/8107	9F61AAB301	-	9F61AAB305	-
9F60ECB050	2.75	50E	1	YES	D/3"/10.88"	38kA	8106/8107	9F61AAB301	-	9F61AAB305	-
9F60ECB065	2.75	65E	1	YES	D/3"/10.88"	38kA	8106/8107	9F61AAB301	-	9F61AAB305	-
9F60ECB080	2.75	80E	1	YES	D/3"/10.88"	38kA	8106/8107	9F61AAB301	-	9F61AAB305	-
9F60ECB100	2.75	100E	1	YES	D/3"/10.88"	38kA	8106/8107	9F61AAB301	-	9F61AAB305	-
9F60GCB125	2.75	125E	1	YES	DD/(2) 3"/10.88"	38kA	8106/8107	9F61AAB401	-	9F61AAB405	-
9F60GCB150	2.75	150E	1	YES	DD/(2) 3"/10.88"	38kA	8106/8107	9F61AAB401	-	9F61AAB405	-
9F60GCB200	2.75	200E	1	YES	DD/(2) 3"/10.88"	38kA	8106/8107	9F61AAB401	-	9F61AAB405	-

9" Clip Centers Clip-in Mounting Indoor or Enclosure

Catalog Number	Max.kV	Amp Rating	No. of Barrels	Indicating	Size/Diam/Length	I/C Sym.	TCC min/max GES	Fuse Support, Indoor	Fuse Support, Outdoor	Disconnecting Switch, Indoor	Disconnecting Switch, Outdoor
9F60CEB001	2.75	1E	1	YES	C/2"/11.18"	38kA	8106/8107	9F61ACB201	-	9F61ACB205	-
9F60CEB002	2.75	2E	1	YES	C/2"/11.18"	38kA	8106/8107	9F61ACB201	-	9F61ACB205	-
9F60CEB003	2.75	3E	1	YES	C/2"/11.18"	38kA	8106/8107	9F61ACB201	-	9F61ACB205	-
9F60CEB005	2.75	5E	1	YES	C/2"/11.18"	38kA	8106/8107	9F61ACB201	-	9F61ACB205	-
9F60CEB007	2.75	7E	1	YES	C/2"/11.18"	38kA	8106/8107	9F61ACB201	-	9F61ACB205	-
9F60CEB010	2.75	10E	1	YES	C/2"/11.18"	38kA	8106/8107	9F61ACB201	-	9F61ACB205	-
9F60CEB015	2.75	15E	1	YES	C/2"/11.18"	38kA	8106/8107	9F61ACB201	-	9F61ACB205	-
9F60CEB020	2.75	20E	1	YES	C/2"/11.18"	38kA	8106/8107	9F61ACB201	-	9F61ACB205	-
9F60CEB025	2.75	25E	1	YES	C/2"/11.18"	38kA	8106/8107	9F61ACB201	-	9F61ACB205	-
9F60CED905	5.5	0.5E	1	YES	C/2"/11.18"	63kA	8106/8107	9F61ACB201	-	9F61ACB205	-
9F60CED001	5.5	1E	1	YES	C/2"/11.18"	63kA	8106/8107	9F61ACB201	-	9F61ACB205	-
9F60CED002	5.5	2E	1	YES	C/2"/11.18"	63kA	8106/8107	9F61ACB201	-	9F61ACB205	-
9F60CED003	5.5	3E	1	YES	C/2"/11.18"	63kA	8106/8107	9F61ACB201	-	9F61ACB205	-
9F60CED005	5.5	5E	1	YES	C/2"/11.18"	63kA	8106/8107	9F61ACB201	-	9F61ACB205	-
9F60CED007	5.5	7E	1	YES	C/2"/11.18"	63kA	8106/8107	9F61ACB201	-	9F61ACB205	-
9F60CED010	5.5	10E	1	YES	C/2"/11.18"	63kA	8106/8107	9F61ACB201	-	9F61ACB205	-
9F60CED015	5.5	15E	1	YES	C/2"/11.18"	63kA	8106/8107	9F61ACB201	-	9F61ACB205	-
9F60CED020	5.5	20E	1	YES	C/2"/11.18"	63kA	8106/8107	9F61ACB201	-	9F61ACB205	-
9F60CED025	5.5	25E	1	YES	C/2"/11.18"	63kA	8106/8107	9F61ACB201	-	9F61ACB205	-

Current-Limiting Power Fuses

Power Distribution Fuses

9F60 Series, “E” Rated

EJ-1

Suitable for use indoors or in an enclosure only

12” Clip Centers Clip-in Mounting Indoor or Enclosure

Catalog Number	Max.kV	Amp Rating	No. of Barrels	Indicating	Size/Diam/Length	I/C Sym.	TCC min/max GES	Fuse Support, Indoor	Fuse Support, Outdoor	Disconnecting Switch, Indoor	Disconnecting Switch, Outdoor
9F60CJH002	15.5	2E	1	YES	C/2”/14.18”	82kA	8104/8105	9F61AEG201	-	9F61AEG205	-
9F60CJH003	15.5	3E	1	YES	C/2”/14.18”	82kA	8104/8105	9F61AEG201	-	9F61AEG205	-
9F60CJH005	15.5	5E	1	YES	C/2”/14.18”	82kA	8104/8105	9F61AEG201	-	9F61AEG205	-
9F60CJH007	15.5	7E	1	YES	C/2”/14.18”	82kA	8104/8105	9F61AEG201	-	9F61AEG205	-
9F60CJH010	15.5	10E	1	YES	C/2”/14.18”	82kA	8104/8105	9F61AEG201	-	9F61AEG205	-

14” Clip Centers Clip-in Mounting Indoor or Enclosure

Catalog Number	Max.kV	Amp Rating	No. of Barrels	Indicating	Size/Diam/Length	I/C Sym.	TCC min/max GES	Fuse Support, Indoor	Fuse Support, Outdoor	Disconnecting Switch, Indoor	Disconnecting Switch, Outdoor
9F60KLH125	15	125E	2	YES	EE/(2) 4.00”/19.12”	38kA	8104/8105	9F61AFG501 (13.8 kV, 95 BIL), 9F61AFJ501 (14.4 kV 110 BIL)	N/A for Outdoor Mounting	N/A	N/A for Outdoor Mounting
9F60KLH150	15	150E	2	YES	EE/(2) 4.00”/19.12”	31kA	8104/8105	9F61AFG501 (13.8 kV, 95 BIL), 9F61AFJ501 (14.4 kV 110 BIL)	N/A for Outdoor Mounting	N/A	N/A for Outdoor Mounting
9F60KLH175	15	175E	2	YES	EE/(2) 4.00”/19.12”	31kA	8104/8105	9F61AFG501 (13.8 kV, 95 BIL), 9F61AFJ501 (14.4 kV 110 BIL)	N/A for Outdoor Mounting	N/A	N/A for Outdoor Mounting

15” Clip Centers Clip-in Mounting Indoor or Enclosure

Catalog Number	Max.kV	Amp Rating	No. of Barrels	Indicating	Size/Diam/Length	I/C Sym.	TCC min/max GES	Fuse Support, Indoor	Fuse Support, Outdoor	Disconnecting Switch, Indoor	Disconnecting Switch, Outdoor
9F60CMJ905	25.8	0.5E	1	YES	C/2”/17.20”	82kA	8114/8115	Consult Factory	N/A for Outdoor Mounting	Consult Factory	N/A for Outdoor Mounting
9F60CMJ001	25.8	1E	1	YES	C/2”/17.20”	82kA	8114/8115	Consult Factory	N/A for Outdoor Mounting	Consult Factory	N/A for Outdoor Mounting
9F60CMJ002	25.8	2E	1	YES	C/2”/17.20”	82kA	8114/8115	Consult Factory	N/A for Outdoor Mounting	Consult Factory	N/A for Outdoor Mounting

Current-Limiting Power Fuses

Power Distribution Fuses

9F60 Series, “E” Rated

EJO-1

Suitable for use indoors and outdoors

Product Description

Power distribution current-limiting fuses are designed not only to interrupt the high-fault currents but also to interrupt low-fault currents down to approximately 3 times their continuous rating. The EJO-1 models can be used outdoors without any protecting enclosure.



12” Clip Centers Clip-in Mounting Indoor or Enclosure

Catalog Number	Max.kV	Amp Rating	No. of Barrels	Indicating	Size/Diam/Length	I/C Sym.	TCC min/max GES	Fuse Support, Indoor	Fuse Support, Outdoor	Disconnecting Switch, Indoor	Disconnecting Switch, Outdoor
9F60DJB001	2.75	1E	1	YES	C/2”/14.18”	50kA	8106/8107	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJB002	2.75	2E	1	YES	C/2”/14.18”	50kA	8106/8107	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJB003	2.75	3E	1	YES	C/2”/14.18”	50kA	8106/8107	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJB005	2.75	5E	1	YES	C/2”/14.18”	50kA	8106/8107	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJB007	2.75	7E	1	YES	C/2”/14.18”	50kA	8106/8107	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJB010	2.75	10E	1	YES	C/2”/14.18”	50kA	8106/8107	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJB015	2.75	15E	1	YES	C/2”/14.18”	50kA	8106/8107	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJB020	2.75	20E	1	YES	C/2”/14.18”	50kA	8106/8107	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJB025	2.75	25E	1	YES	C/2”/14.18”	50kA	8106/8107	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60FJB030	2.75	30E	1	YES	D/3”/15.88”	50kA	8106/8107	9F61AEB301	9F61CEF309	9F61AEB305	9F61CEF310
9F60FJB040	2.75	40E	1	YES	D/3”/15.88”	50kA	8106/8107	9F61AEB301	9F61CEF309	9F61AEB305	9F61CEF310
9F60FJB050	2.75	50E	1	YES	D/3”/15.88”	50kA	8106/8107	9F61AEB301	9F61CEF309	9F61AEB305	9F61CEF310
9F60FJB065	2.75	65E	1	YES	D/3”/15.88”	50kA	8106/8107	9F61AEB301	9F61CEF309	9F61AEB305	9F61CEF310
9F60FJB080	2.75	80E	1	YES	D/3”/15.88”	50kA	8106/8107	9F61AEB301	9F61CEF309	9F61AEB305	9F61CEF310
9F60FJB100	2.75	100E	1	YES	D/3”/15.88”	50kA	8106/8107	9F61AEB301	9F61CEF309	9F61AEB305	9F61CEF310
9F60HJB125	2.75	125E	2	YES	DD/(2) 3”/15.88”	50kA	8106/8107	9F61AEB401	9F61CEF409	9F61AEB405	9F61CEF410
9F60HJB150	2.75	150E	2	YES	DD/(2) 3”/15.88”	50kA	8106/8107	9F61AEB401	9F61CEF409	9F61AEB405	9F61CEF410
9F60HJB200	2.75	200E	2	YES	DD/(2) 3”/15.88”	50kA	8106/8107	9F61AEB401	9F61CEF409	9F61AEB405	9F61CEF410
9F60DJD005	5.5	0.5E	1	YES	C/2”/14.18”	50kA	8106/8107	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJD001	5.5	1E	1	YES	C/2”/14.18”	50kA	8106/8107	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJD002	5.5	2E	1	YES	C/2”/14.18”	50kA	8106/8107	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJD003	5.5	3E	1	YES	C/2”/14.18”	50kA	8106/8107	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJD005	5.5	5E	1	YES	C/2”/14.18”	50kA	8106/8107	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJD007	5.5	7E	1	YES	C/2”/14.18”	50kA	8106/8107	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJD010	5.5	10E	1	YES	C/2”/14.18”	50kA	8106/8107	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJD015	5.5	15E	1	YES	C/2”/14.18”	50kA	8106/8107	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJD020	5.5	20E	1	YES	C/2”/14.18”	50kA	8106/8107	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJD025	5.5	25E	1	YES	C/2”/14.18”	50kA	8106/8107	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60FJD030	5.5	30E	1	YES	D/3”/15.88”	50kA	8106/8107	9F61AEB301	9F61CEF309	9F61AEB305	9F61CEF310
9F60FJD040	5.5	40E	1	YES	D/3”/15.88”	50kA	8106/8107	9F61AEB301	9F61CEF309	9F61AEB305	9F61CEF310
9F60FJD050	5.5	50E	1	YES	D/3”/15.88”	50kA	8106/8107	9F61AEB301	9F61CEF309	9F61AEB305	9F61CEF310
9F60FJD065	5.5	65E	1	YES	D/3”/15.88”	50kA	8106/8107	9F61AEB301	9F61CEF309	9F61AEB305	9F61CEF310
9F60FJD080	5.5	80E	1	YES	D/3”/15.88”	50kA	8106/8107	9F61AEB301	9F61CEF309	9F61AEB305	9F61CEF310
9F60FJD100	5.5	100E	1	YES	D/3”/15.88”	50kA	8106/8107	9F61AEB301	9F61CEF309	9F61AEB305	9F61CEF310
9F60HJD125	5.5	125E	2	YES	DD/(2) 3”/15.88”	50kA	8106/8107	9F61AEB401	9F61CEF409	9F61AEB405	9F61CEF410
9F60HJD150	5.5	150E	2	YES	DD/(2) 3”/15.88”	50kA	8106/8107	9F61AEB401	9F61CEF409	9F61AEB405	9F61CEF410
9F60HJD200	5.5	200E	2	YES	DD/(2) 3”/15.88”	50kA	8106/8107	9F61AEB401	9F61CEF409	9F61AEB405	9F61CEF410
9F60DJE005	8.25	0.5E	1	YES	C/2”/14.18”	50kA	8112/8113	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJE001	8.25	1E	1	YES	C/2”/14.18”	50kA	8112/8113	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJE002	8.25	2E	1	YES	C/2”/14.18”	50kA	8112/8113	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJE003	8.25	3E	1	YES	C/2”/14.18”	50kA	8112/8113	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJE005	8.25	5E	1	YES	C/2”/14.18”	50kA	8112/8113	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJE007	8.25	7E	1	YES	C/2”/14.18”	50kA	8112/8113	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJE010	8.25	10E	1	YES	C/2”/14.18”	50kA	8112/8113	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60DJE015	8.25	15E	1	YES	C/2”/14.18”	50kA	8112/8113	9F61AEG201	9F61CEF209	9F61AEG205	9F61CEF210
9F60FJE020	8.25	20E	1	YES	D/3”/15.88”	50kA	8112/8113	9F61AEG301	9F61CEF309	9F61AEG305	9F61CEF310
9F60FJE025	8.25	25E	1	YES	D/3”/15.88”	50kA	8112/8113	9F61AEG301	9F61CEF309	9F61AEG305	9F61CEF310
9F60FJE030	8.25	30E	1	YES	D/3”/15.88”	50kA	8112/8113	9F61AEG301	9F61CEF309	9F61AEG305	9F61CEF310
9F60FJE040	8.25	40E	1	YES	D/3”/15.88”	50kA	8112/8113	9F61AEG301	9F61CEF309	9F61AEG305	9F61CEF310
9F60FJE050	8.25	50E	1	YES	D/3”/15.88”	50kA	8112/8113	9F61AEG301	9F61CEF309	9F61AEG305	9F61CEF310
9F60FJE065	8.25	65E	1	YES	D/3”/15.88”	50kA	8112/8113	9F61AEG301	9F61CEF309	9F61AEG305	9F61CEF310
9F60FJE080	8.25	80E	1	YES	D/3”/15.88”	50kA	8112/8113	9F61AEG301	9F61CEF309	9F61AEG305	9F61CEF310
9F60FJE100	8.25	100E	1	YES	D/3”/15.88”	50kA	8112/8113	9F61AEG301	9F61CEF309	9F61AEG305	9F61CEF310
9F60HJE125	8.25	125E	2	YES	DD/(2) 3”/15.88”	50kA	8112/8113	9F61AEG401	9F61CEF409	9F61AEG405	9F61CEF410
9F60HJE150	8.25	150E	2	YES	DD/(2) 3”/15.88”	50kA	8112/8113	9F61AEG401	9F61CEF409	9F61AEG405	9F61CEF410
9F60HJE200	8.25	200E	2	YES	DD/(2) 3”/15.88”	50kA	8112/8113	9F61AEG401	9F61CEF409	9F61AEG405	9F61CEF410

Current-Limiting Power Fuses

Power Distribution Fuses

9F60 Series, “E” Rated

EJO-1

Suitable for use indoors and outdoors

15” Clip Centers Clip-in Mounting Indoor or Outdoor

Catalog Number	Max. kV	Amp Rating	No. of Barrels	Indicating	Size/Diam/Length	I/C Sym.	TCC min/max GES	Fuse Support, Indoor	Fuse Support, Outdoor	Disconnecting Switch, Indoor	Disconnecting Switch, Outdoor
9F60DMH005	15.5	0.5E	1	YES	C/2”/17.20”	120kA	8104/8105	9F61AGG201 (13.8 kV nominal 95 kV BIL), 9F61AGJ201 (14.4 kV nominal 110 BIL)	9F61CGL209	9F61AGG205 (13.8 kV nominal 95 kV BIL), 9F61AGJ205 (14.4 kV nominal 110 BIL)	9F61CGL210
9F60DMH001	15.5	1E	1	YES	C/2”/17.20”	120kA	8104/8105	9F61AGG201 (13.8 kV nominal 95 kV BIL), 9F61AGJ201 (14.4 kV nominal 110 BIL)	9F61CGL209	9F61AGG205 (13.8 kV nominal 95 kV BIL), 9F61AGJ205 (14.4 kV nominal 110 BIL)	9F61CGL210
9F60DMH002	15.5	2E	1	YES	C/2”/17.20”	120kA	8104/8105	9F61AGG201 (13.8 kV nominal 95 kV BIL), 9F61AGJ201 (14.4 kV nominal 110 BIL)	9F61CGL209	9F61AGG205 (13.8 kV nominal 95 kV BIL), 9F61AGJ205 (14.4 kV nominal 110 BIL)	9F61CGL210
9F60DMH003	15.5	3E	1	YES	C/2”/17.20”	120kA	8104/8105	9F61AGG201 (13.8 kV nominal 95 kV BIL), 9F61AGJ201 (14.4 kV nominal 110 BIL)	9F61CGL209	9F61AGG205 (13.8 kV nominal 95 kV BIL), 9F61AGJ205 (14.4 kV nominal 110 BIL)	9F61CGL210
9F60DMH005	15.5	5E	1	YES	C/2”/17.20”	82kA	8104/8105	9F61AGG201 (13.8 kV nominal 95 kV BIL), 9F61AGJ201 (14.4 kV nominal 110 BIL)	9F61CGL209	9F61AGG205 (13.8 kV nominal 95 kV BIL), 9F61AGJ205 (14.4 kV nominal 110 BIL)	9F61CGL210
9F60DMH007	15.5	7E	1	YES	C/2”/17.20”	82kA	8104/8105	9F61AGG201 (13.8 kV nominal 95 kV BIL), 9F61AGJ201 (14.4 kV nominal 110 BIL)	9F61CGL209	9F61AGG205 (13.8 kV nominal 95 kV BIL), 9F61AGJ205 (14.4 kV nominal 110 BIL)	9F61CGL210
9F60DMH010	15.5	10E	1	YES	C/2”/17.20”	82kA	8104/8105	9F61AGG201 (13.8 kV nominal 95 kV BIL), 9F61AGJ201 (14.4 kV nominal 110 BIL)	9F61CGL209	9F61AGG205 (13.8 kV nominal 95 kV BIL), 9F61AGJ205 (14.4 kV nominal 110 BIL)	9F61CGL210
9F60FMH015	15.5	15E	1	YES	D/3”/18.88”	38kA	8104/8105	9F61AGG301 (13.8 kV nominal 95 kV BIL), 9F61AGJ301 (14.4 kV nominal 110 BIL)	9F61CGL309	9F61AGG305 (13.8 kV nominal 95 kV BIL), 9F61AGJ305 (14.4 kV nominal 110 BIL)	9F61CGL310
9F60FMH020	15.5	20E	1	YES	D/3”/18.88”	38kA	8104/8105	9F61AGG301 (13.8 kV nominal 95 kV BIL), 9F61AGJ301 (14.4 kV nominal 110 BIL)	9F61CGL309	9F61AGG305 (13.8 kV nominal 95 kV BIL), 9F61AGJ305 (14.4 kV nominal 110 BIL)	9F61CGL310
9F60FMH025	15.5	25E	1	YES	D/3”/18.88”	38kA	8104/8105	9F61AGG301 (13.8 kV nominal 95 kV BIL), 9F61AGJ301 (14.4 kV nominal 110 BIL)	9F61CGL309	9F61AGG305 (13.8 kV nominal 95 kV BIL), 9F61AGJ305 (14.4 kV nominal 110 BIL)	9F61CGL310
9F60FMH030	15.5	30E	1	YES	D/3”/18.88”	38kA	8104/8105	9F61AGG301 (13.8 kV nominal 95 kV BIL), 9F61AGJ301 (14.4 kV nominal 110 BIL)	9F61CGL309	9F61AGG305 (13.8 kV nominal 95 kV BIL), 9F61AGJ305 (14.4 kV nominal 110 BIL)	9F61CGL310

Current-Limiting Power Fuses

Power Distribution Fuses

9F60 Series, “E” Rated

EJO-1

Suitable for use indoors and outdoors

15” Clip Centers Clip-in Mounting Indoor or Outdoor (Continued)

Catalog Number	Max. kV	Amp Rating	No. of Barrels	Indicating	Size/Diam/Length	I/C Sym.	TCC min/max GES	Fuse Support, Indoor	Fuse Support, Outdoor	Disconnecting Switch, Indoor	Disconnecting Switch, Outdoor
9F60FMH040	15.5	40E	1	YES	D/3”/18.88”	38kA	8104/8105	9F61AGG301 (13.8 kV nominal 95 kV BIL), 9F61AGJ301 (14.4 kV nominal 110 BIL)	9F61CGL309	9F61AGG305 (13.8 kV nominal 95 kV BIL), 9F61AGJ305 (14.4 kV nominal 110 BIL)	9F61CGL310
9F60FMH050	15.5	50E	1	YES	D/3”/18.88”	38kA	8104/8105	9F61AGG301 (13.8 kV nominal 95 kV BIL), 9F61AGJ301 (14.4 kV nominal 110 BIL)	9F61CGL309	9F61AGG305 (13.8 kV nominal 95 kV BIL), 9F61AGJ305 (14.4 kV nominal 110 BIL)	9F61CGL310
9F60HMH065	15.5	65E	2	YES	DD/(2) 3”/18.88”	38kA	8104/8105	9F61AGG401 (13.8 kV nominal 95 kV BIL), 9F61AGJ401 (14.4 kV nominal 110 BIL)	9F61CGL409	9F61AGG405 (13.8 kV nominal 95 kV BIL), 9F61AGJ405 (14.4 kV nominal 110 BIL)	9F61CGL410
9F60HMH080	15.5	80E	2	YES	DD/(2) 3”/18.88”	38kA	8104/8105	9F61AGG401 (13.8 kV nominal 95 kV BIL), 9F61AGJ401 (14.4 kV nominal 110 BIL)	9F61CGL409	9F61AGG405 (13.8 kV nominal 95 kV BIL), 9F61AGJ405 (14.4 kV nominal 110 BIL)	9F61CGL410
9F60HMH100	15.5	100E	2	YES	DD/(2) 3”/18.88”	38kA	8104/8105	9F61AGG401 (13.8 kV nominal 95 kV BIL), 9F61AGJ401 (14.4 kV nominal 110 BIL)	9F61CGL409	9F61AGG405 (13.8 kV nominal 95 kV BIL), 9F61AGJ405 (14.4 kV nominal 110 BIL)	9F61CGL410

21” Clip Centers Clip-in Mounting Indoor or Outdoor

Catalog Number	Max. kV	Amp Rating	No. of Barrels	Indicating	Size/Diam/Length	I/C Sym.	TCC min/max GES	Fuse Support, Indoor	Fuse Support, Outdoor	Disconnecting Switch, Indoor	Disconnecting Switch, Outdoor
9F60DNJ05	25.8	0.5E	1	YES	C/2”/23.18”	45kA	8114/8115	9F61AHM201	9F61CHM209	9F61AHM205	9F61CHM210
9F60DNJ001	25.8	1E	1	YES	C/2”/23.18”	45kA	8114/8115	9F61AHM201	9F61CHM209	9F61AHM205	9F61CHM210
9F60DNJ002	25.8	2E	1	YES	C/2”/23.18”	45kA	8114/8115	9F61AHM201	9F61CHM209	9F61AHM205	9F61CHM210
9F60DNJ003	25.8	3E	1	YES	C/2”/23.18”	45kA	8114/8115	9F61AHM201	9F61CHM209	9F61AHM205	9F61CHM210
9F60DNJ005	25.8	5E	1	YES	C/2”/23.18”	45kA	8114/8115	9F61AHM201	9F61CHM209	9F61AHM205	9F61CHM210
9F60DNJ007	25.8	7E	1	YES	C/2”/23.18”	45kA	8114/8115	9F61AHM201	9F61CHM209	9F61AHM205	9F61CHM210
9F60DNJ010	25.8	10E	1	YES	C/2”/23.18”	45kA	8114/8115	9F61AHM201	9F61CHM209	9F61AHM205	9F61CHM210
9F60FNJ015	25.8	15E	1	YES	D/3”/24.81”	25kA	8114/8115	9F61AHM301	9F61CHM309	9F61AHM305	9F61CHM310
9F60FNJ020	25.8	20E	1	YES	D/3”/24.81”	25kA	8114/8115	9F61AHM301	9F61CHM309	9F61AHM305	9F61CHM310
9F60FNJ025	25.8	25E	1	YES	D/3”/24.81”	25kA	8114/8115	9F61AHM301	9F61CHM309	9F61AHM305	9F61CHM310
9F60FNJ030	25.8	30E	1	YES	D/3”/24.81”	25kA	8114/8115	9F61AHM301	9F61CHM309	9F61AHM305	9F61CHM310
9F60FNJ040	25.8	40E	1	YES	D/3”/24.81”	25kA	8114/8115	9F61AHM301	9F61CHM309	9F61AHM305	9F61CHM310
9F60FNJ050	25.8	50E	1	YES	D/3”/24.81”	25kA	8114/8115	9F61AHM301	9F61CHM309	9F61AHM305	9F61CHM310
9F60HNJ065	25.8	65E	2	YES	DD/(2) 3”/24.88”	25kA	8114/8115	9F61AHM401	9F61CHM409	9F61AHM405	9F61CHM410
9F60HNJ080	25.8	80E	2	YES	DD/(2) 3”/24.88”	25kA	8114/8115	9F61AHM401	9F61CHM409	9F61AHM405	9F61CHM410
9F60HNJ100	25.8	100E	2	YES	DD/(2) 3”/24.88”	25kA	8114/8115	9F61AHM401	9F61CHM409	9F61AHM405	9F61CHM410

Current-Limiting Power Fuses

Power Distribution Fuses

9F60 Series, “E” Rated

EJO-1

Suitable for use indoors and outdoors

27" Clip Centers Clip-in Mounting Indoor or Outdoor

Catalog Number	Max. kV	Amp Rating	No. of Barrels	Indicating	Size/Diam/Length	I/C Sym.	TCC min/max GES	Fuse Support, Indoor	Fuse Support, Outdoor	Disconnecting Switch, Indoor	Disconnecting Switch, Outdoor
9F60FPK001	38	1E	1	YES	D/3"/30.81"	45kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPK002	38	2E	1	YES	D/3"/30.81"	45kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPK003	38	3E	1	YES	D/3"/30.81"	45kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPK005	38	5E	1	YES	D/3"/30.81"	45kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPK007	38	7E	1	YES	D/3"/30.81"	45kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPK010	38	10E	1	YES	D/3"/30.81"	45kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPK015	38	15E	1	YES	D/3"/30.81"	13kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPK020	38	20E	1	YES	D/3"/30.81"	13kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPK025	38	25E	1	YES	D/3"/30.81"	13kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPK030	38	30E	1	YES	D/3"/30.81"	13kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPK040	38	40E	1	YES	D/3"/30.81"	13kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60HPK050	38	50E	2	YES	DD/2) 3"/30.88"	13kA	8116/8117	–	9F61CJN409	–	9F61CJN410
9F60HPK065	38	65E	2	YES	DD/2) 3"/30.88"	13kA	8116/8117	–	9F61CJN409	–	9F61CJN410
9F60HPK080	38	80E	2	YES	DD/2) 3"/30.88"	13kA	8116/8117	–	9F61CJN409	–	9F61CJN410
9F60FPT001	38	1E	1	NO	D/3"/30.81"	45kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPT002	38	2E	1	NO	D/3"/30.81"	45kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPT003	38	3E	1	NO	D/3"/30.81"	45kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPT005	38	5E	1	NO	D/3"/30.81"	45kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPT007	38	7E	1	NO	D/3"/30.81"	45kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPT010	38	10E	1	NO	D/3"/30.81"	45kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPT015	38	15E	1	NO	D/3"/30.81"	13kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPT020	38	20E	1	NO	D/3"/30.81"	13kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPT025	38	25E	1	NO	D/3"/30.81"	13kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPT030	38	30E	1	NO	D/3"/30.81"	13kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60FPT040	38	40E	1	NO	D/3"/30.81"	13kA	8116/8117	–	9F61CJN309	–	9F61CJN310
9F60HPT050	38	50E	2	NO	DD/2) 3"/30.81"	13kA	8116/8117	–	9F61CJN409	–	9F61CJN410
9F60HPT065	38	65E	2	NO	DD/2) 3"/30.81"	13kA	8116/8117	–	9F61CJN409	–	9F61CJN410
9F60HPT080	38	80E	2	NO	DD/2) 3"/30.81"	13kA	8116/8117	–	9F61CJN409	–	9F61CJN410

Current-Limiting Power Fuses

Potential Transformer

9F60 Series, “E” Rated

EJ-1

Suitable for use indoors or in an enclosure



Product Description

Current-limiting fuses are designed to interrupt the high-fault currents and also the low-fault currents down to approximately 3 times their continuous current rating. Available from 0.625 to 15kV, from 0.5 to 3 Amps.

4.25” Clip Centers Clip-in Mounting Indoor or Enclosure

Catalog Number	Max. kV	Amp Rating	No. of Barrels	Indicating	Size ¹ /Diam Length	I/C Sym.	TCC min/max GES	Fuse Support, Indoor	Fuse Support, Outdoor	Disconnecting Switch, Indoor	Disconnecting Switch, Outdoor
9F60AAA003	0.625	3E	1	YES	A/0.812"/4.625"	100kA	8108/8109	–	–	–	–
9F60AAA005	0.625	5E	1	YES	A/0.812"/4.625"	100kA	8108/8109	–	–	–	–
9F60AAB001	2.75	1E	1	YES	A/0.812"/4.625"	60kA	8108/8109	–	–	–	–
9F60AAB002	2.75	2E	1	YES	A/0.812"/4.625"	60kA	8108/8109	–	–	–	–

¹Size A fuses are normally mounted directly on potential transformers. No supports, disconnect switches, or live parts are available for separate mounting.

6” Clip Centers Clip-in Mounting Indoor or Enclosure

Catalog Number	Max. kV	Amp Rating	No. of Barrels	Indicating	Spare Parts (Live Parts)	Spare Parts (Clips)	Size/Diam/Length	I/C Sym.	TCC min/max GES
9F60BBB001	2.75	1E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/7.375"	60kA	8110/8111
9F60BBB002	2.75	2E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/7.375"	60kA	8110/8111
9F60BBB003	2.75	3E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/7.375"	60kA	8110/8111
9F60BBD905	5.5	0.5E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/7.375"	80kA	8110/8111
9F60BBD001	5.5	1E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/7.375"	80kA	8110/8111
9F60BBD002	5.5	2E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/7.375"	80kA	8110/8111
9F60BBD003	5.5	3E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/7.375"	80kA	8110/8111
9F60BBN905	5.5	0.5E	1	NO	9F61BNW450	9F61BWW460	B/1.625"/7.375"	80kA	8110/8111
9F60BBN001	5.5	1E	1	NO	9F61BNW450	9F61BWW460	B/1.625"/7.375"	80kA	8110/8111
9F60BBN002	5.5	2E	1	NO	9F61BNW450	9F61BWW460	B/1.625"/7.375"	80kA	8110/8111
9F60BBN003	5.5	3E	1	NO	9F61BNW450	9F61BWW460	B/1.625"/7.375"	80kA	8110/8111

8.12” Clip Centers Clip-in Mounting Indoor or Enclosure

Catalog Number	Max. kV	Amp Rating	No. of Barrels	Indicating	Spare Parts (Live Parts)	Spare Parts (Clips)	Size/Diam/Length	I/C Sym.	TCC min/max GES	Fuse Support, Indoor
9F60BDB001	2.75	1E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/9.50"	60kA	8110/8111	9F61ABB101
9F60BDB002	2.75	2E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/9.50"	60kA	8110/8111	9F61ABB101
9F60BDB003	2.75	3E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/9.50"	60kA	8110/8111	9F61ABB101
9F60BDD905	5.5	0.5E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/9.50"	80kA	8110/8111	9F61ABB101
9F60BDD001	5.5	1E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/9.50"	80kA	8110/8111	9F61ABB101
9F60BDD002	5.5	2E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/9.50"	80kA	8110/8111	9F61ABB101
9F60BDD003	5.5	3E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/9.50"	80kA	8110/8111	9F61ABB101
9F60BDE905	8.25	0.5E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/9.50"	80kA	8110/8111	9F61ABG101
9F60BDE001	8.25	1E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/9.50"	80kA	8110/8111	9F61ABG101
9F60BDE002	8.25	2E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/9.50"	80kA	8110/8111	9F61ABG101
9F60BDE003	8.25	3E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/9.50"	80kA	8110/8111	9F61ABG101

Current-Limiting Power Fuses

Potential Transformer

9F60 Series, "E" Rated

EJ-1

Suitable for use indoors or in an enclosure

11.5" Clip Centers Clip-in Mounting Indoor or Enclosure

Catalog Number	Max. kV	Amp Rating	No. of Barrels	Indicating	Spare Parts (Live Parts)	Spare Parts (Clips)	Size/Diam/Length	I/C Sym.	TCC min/max GES	Fuse support, Indoor
9F60BHH905	15.5	0.5E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/12.875"	120kA	8110/8111	9F61ADG101 (13.8kV, 95kV BIL), 9F61ADJ101 (14.4kV, 110kV BIL)
9F60BHH001	15.5	1E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/12.875"	120kA	8110/8111	9F61ADG101 (13.8kV, 95kV BIL), 9F61ADJ101 (14.4kV, 110kV BIL)
9F60BHH002	15.5	2E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/12.875"	120kA	8110/8111	9F61ADG101 (13.8kV, 95kV BIL), 9F61ADJ101 (14.4kV, 110kV BIL)
9F60BHH003	15.5	3E	1	YES	9F61BNW450	9F61BWW460	B/1.625"/12.875"	120kA	8110/8111	9F61ADG101 (13.8kV, 95kV BIL), 9F61ADJ101 (14.4kV, 110kV BIL)

Current-Limiting Power Fuses

Motor Starter Fuses

9F60 Series, “R” Rated

EJ-2¹

Suitable for use indoors or in an enclosure

Product Description

Backup motor starter current-limiting power fuses are designed to provide short-circuit protection of individual motors. These fuses are designed to interrupt current from 100 times the R-rating up to 50kA rms symmetrical at rated voltage. The element of these fuses is designed to withstand the cyclic motor-starting application. By definition, a back-up current-limiting fuse is “A fuse capable of interrupting all currents from the rated maximum interrupting current down to the rated minimum interrupting current.” Standard IEEE C.37.40-1993 (3.1.8). Available from 2.54 to 7.20kV, From 70 to 700A (2 to 50R).



7” Clip Centers Clip-in Mounting UL Recognized Indoor or Enclosure

Catalog Number	Max. kV	Amp Rating	No. of Barrels	Indicating	Spare Parts (Live Parts)	Spare Parts (Clips)	Max. Continuous Curr. (Amps)	Size/Diam/Length	I/C Sym.	TCC min/max GES
9F60LCB502	2.54	2R	1	YES	9F61BNW750	9F61BWW459	70	D/3.00”/10.88”	50kA	8132/8133
9F60LCB503	2.54	3R	1	YES	9F61BNW750	9F61BWW459	100	D/3.00”/10.88”	50kA	8132/8133
9F60LCB504	2.54	4R	1	YES	9F61BNW750	9F61BWW459	130	D/3.00”/10.88”	50kA	8132/8133
9F60LCB506	2.54	6R	1	YES	9F61BNW750	9F61BWW459	170	D/3.00”/10.88”	50kA	8132/8133
9F60LCB509	2.54	9R	1	YES	9F61BNW750	9F61BWW459	200	D/3.00”/10.88”	50kA	8132/8133
9F60LCB512	2.54	12R	1	YES	9F61BNW750	9F61BWW459	230	D/3.00”/10.88”	50kA	8132/8133
9F60MCB518	2.54	18R	2	YES	9F61BNW751	–	390	DD/(2) 3.00”/10.88”	50kA	8132/8133
9F60MCB524	2.54	24R	2	YES	9F61BNW751	–	450	DD/(2) 3.00”/10.88”	50kA	8132/8133
9F60LCL302	2.54	2R	1	NO	9F61BNW750	9F61BWW459	70	D/3.00”/10.88”	50kA	8132/8133
9F60LCL303	2.54	3R	1	NO	9F61BNW750	9F61BWW459	100	D/3.00”/10.88”	50kA	8132/8133
9F60LCL304	2.54	4R	1	NO	9F61BNW750	9F61BWW459	130	D/3.00”/10.88”	50kA	8132/8133
9F60LCL306	2.54	6R	1	NO	9F61BNW750	9F61BWW459	170	D/3.00”/10.88”	50kA	8132/8133
9F60LCL309	2.54	9R	1	NO	9F61BNW750	9F61BWW459	200	D/3.00”/10.88”	50kA	8132/8133
9F60LCL312	2.54	12R	1	NO	9F61BNW750	9F61BWW459	230	D/3.00”/10.88”	50kA	8132/8133
9F60MCL318	2.54	18R	2	NO	9F61BNW751	–	390	DD/(2) 3.00”/10.88”	50kA	8132/8133
9F60MCL324	2.54	24R	2	NO	9F61BNW751	–	450	DD/(2) 3.00”/10.88”	50kA	8132/8133

Bolted End Fittings Indoor or Enclosure

Catalog Number	Max. kV	Amp Rating	No. of Barrels	Indicating	Max. Continuous Curr. (Amps)	Size/Diam/Length	I/C Sym.	TCC min/max GES	Fuse Support, Indoor
9F60TQB600	2.54	42R	2	NO	600	KK (2) 3.45”/13.76”	50kA	8122/8123	–
9F60TQB700	2.54	50R	2	NO	700	KK (2) 3.45”/13.76”	50kA	8122/8123	–

12” Clip Centers Clip-in Mounting UL Recognized Indoor or Enclosure

Catalog Number	Max. kV	Amp Rating	No. of Barrels	Indicating	Spare Parts (Live Parts)	Spare Parts (Clips)	Max. Continuous Curr. (Amps)	Size/Diam/Length	I/C Sym.	TCC min/max GES
9F60LJD502	5.08	2R	1	YES	9F61BNW750	9F61BWW459	70	D/3.00”/15.97”	50kA	8132/8133
9F60LJD503	5.08	3R	1	YES	9F61BNW750	9F61BWW459	100	D/3.00”/15.97”	50kA	8132/8133
9F60LJD504	5.08	4R	1	YES	9F61BNW750	9F61BWW459	130	D/3.00”/15.97”	50kA	8132/8133
9F60LJD506	5.08	6R	1	YES	9F61BNW750	9F61BWW459	170	D/3.00”/15.97”	50kA	8132/8133
9F60LJD509	5.08	9R	1	YES	9F61BNW750	9F61BWW459	200	D/3.00”/15.97”	50kA	8132/8133
9F60LJD512	5.08	12R	1	YES	9F61BNW750	9F61BWW459	230	D/3.00”/15.97”	50kA	8132/8133
9F60MJD518	5.08	18R	2	YES	9F61BNW751	–	390	DD/(2) 3.00”/15.97”	50kA	8132/8133
9F60MJD524	5.08	24R	2	YES	9F61BNW751	–	450	DD/(2) 3.00”/15.97”	50kA	8132/8133
9F60LJN302	5.08	2R	1	NO	9F61BNW750	9F61BWW459	70	D/3.00”/15.97”	50kA	8132/8133
9F60LJN303	5.08	3R	1	NO	9F61BNW750	9F61BWW459	100	D/3.00”/15.97”	50kA	8132/8133
9F60LJN304	5.08	4R	1	NO	9F61BNW750	9F61BWW459	130	D/3.00”/15.97”	50kA	8132/8133
9F60LJN306	5.08	6R	1	NO	9F61BNW750	9F61BWW459	170	D/3.00”/15.97”	50kA	8132/8133
9F60LJN309	5.08	9R	1	NO	9F61BNW750	9F61BWW459	200	D/3.00”/15.97”	50kA	8132/8133
9F60LJN312	5.08	12R	1	NO	9F61BNW750	9F61BWW459	230	D/3.00”/15.97”	50kA	8132/8133
9F60MJN318	5.08	18R	2	NO	9F61BNW751	–	390	DD/(2) 3.00”/15.97”	50kA	8132/8133
9F60MJN324	5.08	24R	2	NO	9F61BNW751	–	450	DD/(2) 3.00”/15.97”	50kA	8132/8133

¹EJ-2 Motor starter fuses are typically mounted on medium voltage starters. No supports or disconnect switches available.

Current-Limiting Power Fuses

Motor Starter Fuses

9F60 Series, “R” Rated

EJ-2¹

Suitable for use indoors or in an enclosure

14” Clip Centers Clip-in Mounting Indoor or Enclosure

Catalog Number	Max. kV	Amp Rating	No. of Barrels	Indicating	Spare Parts (Live Parts)	Spare Parts (Clips)	Max. Continuous Curr. (Amps)	Size/Diam/Length	I/C Sym.	TCC min/max GES	Fuse Support, Indoor
9F60NLD830	5.08	30R	2	YES	9F61BNW452	–	550	EE/(2) 4”/19.12”	50kA	8132/8133	9F61AFB501
9F60NLD836	5.08	36R	2	YES	9F61BNW452	–	650	EE/(2) 4”/19.12”	50kA	8132/8133	9F61AFB501

Bolted End Fittings Indoor or Enclosure

Catalog Number	Max. kV	Amp Rating	No. of Barrels	Indicating	Max. Continuous Curr. (Amps)	Size/Diam/Length	I/C Sym.	TCC min/max GES	Fuse Support Indoor
9F60TRD600	5	42R	2	YES	600	KK (2) 3.45”/18.76”	50kA	8122/8123	–
9F60TRD700	5	50R	2	YES	700	KK (2) 3.45”/18.76”	50kA	8122/8123	–

Bolted End Fuses, request outline drawing from factory.

12” Clip Centers Clip-in Mounting “A” Rated Indoor or Enclosure

Catalog Number	Max. kV	Amp Rating	No. of Barrels	Indicating	Spare Parts (Live Parts)	Spare Parts (Clips)	Max. Continuous Curr. (Amps)	Size/Diam/Length	I/C Sym.	TCC min/max GES
9F60LJE502	7.2	2A	1	YES	–	–	70	D/3.00”/15.97”	50kA	8150/8151
9F60LJE503	7.2	3A	1	YES	–	–	100	D/3.00”/15.97”	50kA	8150/8151
9F60LJE504	7.2	4A	1	YES	–	–	130	D/3.00”/15.97”	50kA	8150/8151
9F60LJE506	7.2	6A	1	YES	–	–	170	D/3.00”/15.97”	50kA	8150/8151
9F60LJE509	7.2	9A	1	YES	–	–	200	D/3.00”/15.97”	50kA	8150/8151
9F60LJE512	7.2	12A	1	YES	–	–	230	D/3.00”/15.97”	50kA	8150/8151
9F60MJE518	7.2	18A	2	YES	–	–	390	DD/(2) 3.00”/15.97”	50kA	8150/8151
9F60MJE524	7.2	24A	2	YES	–	–	450	DD/(2) 3.00”/15.97”	50kA	8150/8151

Table R, Max. Continuous Current for “R/A” Fuses

Fuse “R/A” Designation	Max. Con. Current (Amps)
2	70
3	100
4	130
6	170
9	200
12	230
18	390
24	450
30	550
36	650
42	600
50	700

Current-Limiting Power Fuses

Fuse Supports and Disconnecting Switches

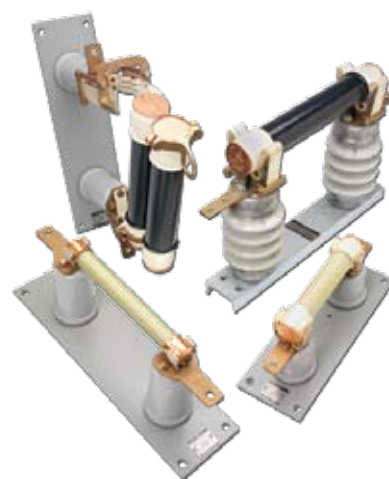
9F61 Series

EK-1, EKO-1, EK-3, EKO-3

Product Description

Fuse supports, non-disconnecting, are used primarily in potential transformer circuits, or where there is some other disconnecting or isolating device in series with the fuse in the circuit. Fuse supports can be mounted vertically or horizontally. The EKO-1 models are designed to be installed outdoors. Disconnecting switch devices have the additional feature of serving to isolate the equipment they protect. It should be noted that disconnecting switches are not load-breaking devices, therefore, the circuit must be open prior to the fuse disconnection. The EKO-3 models are designed to be installed outdoors. Select either a fuse support or a disconnecting switch for each fuse. Fuse supports and disconnecting switches include live parts for both ends.

For further detailed information regarding these fuse supports and disconnecting switches please refer to INST-EK39196 available on our website at us.ferrazshawmut.com or ask your sales representative a hard copy.



Fuse Support - EK-1 Indoor

Catalog Number	Max. kV	Ferrule Size/ Diam.	Clip Centers	Spare Parts (Live Parts)	Spare Parts (Clips)	Insulator Rating - Class/NEMA Nominal Sys. (kV)	Insulator Rating - BIL (kV)	Insulator Rating - Class/NEMA Tech Ref.
9F61ABB101	2.75/5.5	B/1.56"	8.12"	9F61BNW450	9F61BWW460	4.8	60	A-20
9F61ABG101	8.25	B/1.56"	8.12"	9F61BNW450	9F61BWW460	13.8	95	A-20
9F61ADG101	15.5	B/1.56"	11.5"	9F61BNW450	9F61BWW460	13.8	95	A-20
9F61ADJ101	15.5	B/1.56"	11.5"	9F61BNW450	9F61BWW460	14.4	110	A-20
9F61AAB201	2.75	C/2.00"	7"	9F61BNW451	9F61BWW457	4.8	60	A-20
9F61ACB201	5.5	C/2.00"	9"	9F61BNW451	9F61BWW457	4.8	60	A-20
9F61AEG201	15.5	C/2.00"	12"	9F61BNW451	9F61BWW457	13.8	95	A-20
9F61AGG201	15.5	C/2.00"	15"	9F61BNW451	9F61BWW457	13.8	95	A-20
9F61AGJ201	15.5	C/2.00"	15"	9F61BNW451	9F61BWW457	14.4	110	A-20
9F61AHM201	25.8	C/2.00"	21"	9F61BNW743	9F61BWW457	23	150	A-20
9F61AAB301	2.75	D/3.00"	7"	9F61BNW750	9F61BWW459	4.8	60	A-20
9F61AEB301	2.75/5.5	D/3.00"	12"	9F61BNW750	9F61BWW459	4.8	60	A-20
9F61AEG301	8.25	D/3.00"	12"	9F61BNW750	9F61BWW459	13.8	95	A-20
9F61AGG301	15.5	D/3.00"	15"	9F61BNW750	9F61BWW459	13.8	95	A-20
9F61AGJ301	15.5	D/3.00"	15"	9F61BNW750	9F61BWW459	14.4	110	A-20
9F61AHM301	25.8	D/3.00"	21"	9F61BNW744	9F61BWW459	23	150	A-20
9F61AAB401	2.75	DD/3.00"	7"	9F61BNW751	–	4.8	60	A-20
9F61AEB401	2.75/5.5	DD/3.00"	12"	9F61BNW751	–	4.8	60	A-20
9F61AEG401	8.25	DD/3.00"	12"	9F61BNW751	–	13.8	95	A-20
9F61AGG401	15.5	DD/3.00"	15"	9F61BNW751	–	13.8	95	A-20
9F61AGJ401	15.5	DD/3.00"	15"	9F61BNW751	–	14.4	110	A-20
9F61AHM401	25.8	DD/3.00"	21"	9F61AWW738	–	23	150	A-20
9F61AFB501	5.08	EE/4.00"	14.12"	9F61BNW452	–	4.8	60	A-20
9F61AFG501	15	EE/4.00"	14.12"	9F61BNW452	–	13.8	95	A-20
9F61AFJ501	15	EE/4.00"	14.12"	9F61BNW452	–	14.4	110	A-20
9F61AHG001		DDDD			For Bolted-end Fuses refer to drawings.			
9F61AHJ001		DDDD			For Bolted-end Fuses refer to drawings.			
9F61AKB001		DDDD			For Bolted-end Fuses refer to drawings.			

Refer to drawings for specific dimensions.

Current-Limiting Power Fuses

Fuse Supports and Disconnecting Switches

9F61 Series

EK-1, EKO-1, EK-3, EKO-3

Disconnect Switch - EK-3 Indoor

Catalog Number	Max. kV	Ferrule Size/ Diam.	Clip Centers	Spare Parts (Live Parts)	Spare Parts (Clips)	Insulator Rating - Nominal Sys. (kV)	Insulator Rating - BIL (kV)	Insulator Rating - Class/NEMA Tech Ref.
9F61AAB205	2.75	C/2.00"	7"	9F61BNW731	9F61BWW457	4.8	60	A-20
9F61ACB205	5.5	C/2.00"	9"	9F61BNW731	9F61BWW457	4.8	60	A-20
9F61AEG205	15.5	C/2.00"	12"	9F61BNW731	9F61BWW457	13.8	95	A-20
9F61AGG205	15.5	C/2.00"	15"	9F61BNW731	9F61BWW457	13.8	95	A-20
9F61AGJ205	15.5	C/2.00"	15"	9F61BNW731	9F61BWW457	14.4	110	A-20
9F61AHM205	25.8	C/2.00"	21"	9F61BNW746	9F61BWW457	23	150	A-20
9F61AAB305	2.75	D/3.00"	7"	9F61BNW732	9F61BWW459	4.8	60	A-20
9F61AEB305	2.75/5.5	D/3.00"	12"	9F61BNW732	9F61BWW459	4.8	60	A-20
9F61AEG305	8.25	D/3.00"	12"	9F61BNW732	9F61BWW459	13.8	95	A-20
9F61AGG305	15.5	D/3.00"	15"	9F61BNW732	9F61BWW459	13.8	95	A-20
9F61AGJ305	15.5	D/3.00"	15"	9F61BNW732	9F61BWW459	14.4	110	A-20
9F61AHM305	25.8	D/3.00"	21"	9F61BNW747	9F61BWW459	23	150	A-20
9F61AAB405	2.75	DD/3.00"	7"	9F61BNW461	–	4.8	60	A-20
9F61AEB405	2.75/5.5	DD/3.00"	12"	9F61BNW461	–	4.8	60	A-20
9F61AEG405	8.25	DD/3.00"	12"	9F61BNW461	–	13.8	95	A-20
9F61AGG405	15.5	DD/3.00"	15"	9F61BNW461	–	13.8	95	A-20
9F61AGJ405	15.5	DD/3.00"	15"	9F61BNW461	–	14.4	110	A-20
9F61AHM405	25.8	DD/3.00"	21"	9F61BNW748	–	23	150	A-20

Refer to drawings for specific dimensions.

Fuse Support - EKO-1 Outdoor

Catalog Number	Max. kV	Ferrule Size/Diam.	Clip Centers	Spare Parts (Live Parts)	Spare Parts (Clips)	Insulator Rating - Nominal Sys. (kV)	Insulator Rating - BIL (kV)	Insulator Rating - Class/NEMA Tech Ref.
9F61CEF209	2.75/5.5/8.25	C/2.00"	12"	9F61BNW743	9F61BWW457	7.5	95	202
9F61CGL209	15.5	C/2.00"	15"	9F61BNW743	9F61BWW457	15	110	205
9F61CHM209	25.8	C/2.00"	21"	9F61BNW743	9F61BWW457	23	150	208
9F61CEF309	2.75/5.5/8.25	D/3.00"	12"	9F61BNW744	9F61BWW459	7.5	95	202
9F61CGL309	15.5	D/3.00"	15"	9F61BNW744	9F61BWW459	15	110	205
9F61CHM309	25.8	D/3.00"	21"	9F61BNW744	9F61BWW459	23	150	208
9F61CJN309	38	D/3.00"	27"	9F61BNW744	9F61BWW459	34.5	200	210
9F61CEF409	2.75/5.5/8.25	DD/3.00"	12"	9F61AWW738	–	7.5	95	202
9F61CGL409	15.5	DD/3.00"	15"	9F61AWW738	–	15	110	205
9F61CHM409	25.8	DD/3.00"	21"	9F61AWW738	–	23	150	208
9F61CJN409	38	DD/3.00"	27"	9F61AWW738	–	34.5	200	210
9F61CHL009		DDDD			For Bolted-end Fuses refer to drawings.			
9F61CKF009		DDDD			For Bolted-end Fuses refer to drawings.			

Refer to drawings for specific dimensions.

Current-Limiting Power Fuses

Fuse Supports and Disconnecting Switches

9F61 Series

EK-1, EKO-1, EK-3, EKO-3

Disconnect Switch - EKO-3 Outdoor

Catalog Number	Max. kV	Ferrule Size/Diam.	Clip Centers	Spare Parts (Live Parts)	Spare Parts (Clips)	Insulator Rating - Nominal Sys. (kV)	Insulator Rating - BIL (kV)	Insulator Rating - Class/NEMA Tech Ref.
9F61CEF210	2.75/5.5/8.25	C/2.00"	12"	9F61BNW746	9F61BWW457	7.5	95	202
9F61CGL210	15.5	C/2.00"	15"	9F61BNW746	9F61BWW457	15	110	205
9F61CHM210	25.8	C/2.00"	21"	9F61BNW746	9F61BWW457	23	150	208
9F61CEF310	2.75/5.5/8.25	D/3.00"	12"	9F61BNW747	9F61BWW459	7.5	95	202
9F61CGL310	15.5	D/3.00"	15"	9F61BNW747	9F61BWW459	15	110	205
9F61CHM310	25.8	D/3.00"	21"	9F61BNW747	9F61BWW459	23	150	208
9F61CJN310	38	D/3.00"	27"	9F61BNW747	9F61BWW459	34.5	200	210
9F61CEF410	2.75/5.5/8.25	DD/3.00"	12"	9F61BNW748	–	7.5	95	202
9F61CGL410	15.5	DD/3.00"	15"	9F61BNW748	–	15	110	205
9F61CHM410	25.8	DD/3.00"	21"	9F61BNW748	–	23	150	208
9F61CJN410	38	DD/3.00"	27"	9F61BNW748	–	34.5	200	210

Refer to drawings for specific dimensions.

IMPORTANT: When selecting a mounting for a current-limiting fuse, it is necessary that the clip centers and size agree with the fuse selected.

Accessories and Spare Parts

Hinge Trunions and Operating Eyes for Use on Disconnecting Switches

Fuse Size	Hinge Trunion Model No.	Operating Eye Model No.
C	9F61BJW397	9F61BFW394
D	9F61BKW398	9F61AAW612
DD	9F61BLW399	9F61AAW612



Current-Limiting Power Fuses

Spare Parts - Fuse Supports/Disconnect Switches

9F61 Series

Live Parts/Fuse Clips

Fuse Size B (Ferrule Diameter 1.5625")

Fuse Supports & Disconnect Switches	Spare Live Parts(*)	Figure (Fig.)	Spare Fuse Clips(**)	Figure (Fig.)	Fuse size
9F61ABB101	9F61BNW450		9F61BWW460		B
9F61ABG101					B
9F61ADG101					B
9F61ADJ101					B

Fuse Size C (Ferrule Diameter 2")

Fuse Supports & Disconnect Switches	Spare Live Parts(*)	Figure (Fig.)	Spare Fuse Clips(**)	Figure (Fig.)	Fuse size
9F61AAB201	9F61BNW451		9F61BWW457		C
9F61ACB201					C
9F61AEG201					C
9F61AGG201					C
9F61AGJ201					C
9F61AAB205	9F61BNW731				C
9F61ACB205					C
9F61AEG205					C
9F61AGG205					C
9F61AGJ205					C
9F61AHM201	9F61BNW743				C
9F61CEF209					C
9F61CGL209					C
9F61CHM209					C
9F61AHM205	9F61BNW746				C
9F61CEF210					C
9F61CGL210					C
9F61CHM210					C

(*) Spare Live Parts: Order (1) Live Parts for each Fuse Support and Disconnecting Switch (includes live parts for both ends).

(**) Fuse Clips: Order (2) Fuse Clips for each Fuse Support and order (1) Fuse Clip for each Disconnecting Switch.

Current-Limiting Power Fuses

Spare Parts - Fuse Supports/Disconnect Switches

9F61 Series

Live Parts/Fuse Clips

Fuse Size D (Ferrule Diameter 3")

Fuse Supports & Disconnect Switches	Spare Live Parts(*)	Figure (Fig.)	Spare Fuse Clips(**)	Figure (Fig.)	Fuse size
9F61AAB305	9F61BNW732		9F61BWW459		D
9F61AEB305					D
9F61AEG305					D
9F61AGG305					D
9F61AGJ305					D
9F61AHM301	9F61BNW744				D
9F61CEF309					D
9F61CGL309					D
9F61CHM309					D
9F61CJN309					D
9F61AHM305	9F61BNW747				D
9F61CEF310					D
9F61CGL310					D
9F61CHM310					D
9F61CJN310					D
9F61AAB301	9F61BNW750				D
9F61AEB301					D
9F61AEG301					D
9F61AGG301					D
9F61AGJ301					D

Current-Limiting Power Fuses

Spare Parts - Fuse Supports/Disconnect Switches

9F61 Series

Live Parts/Fuse Clips

Fuse Size DD (Ferrule Diameter two 3" in parallel)

Fuse Supports & Disconnect Switches	Spare Live Parts(*)	Figure (Fig.)	Spare Fuse Clips(**)	Fuse size
9F61AHM401	9F61AWW738		N/A	DD
9F61CEF409				DD
9F61CGL409				DD
9F61CHM409				DD
9F61CJN409				DD
9F61AAB405	9F61BNW461			DD
9F61AEB405				DD
9F61AEG405				DD
9F61AGG405				DD
9F61AGJ405				DD
9F61AHM405	9F61BNW748			DD
9F61CEF410				DD
9F61CGL410				DD
9F61CHM410				DD
9F61CJN410				DD
9F61AAB401	9F61BNW751			DD
9F61AEB401				DD
9F61AEG401				DD
9F61AGG401				DD
9F61AGJ401				DD

Conversion Kit D to DD for use on fuse supports

Model No.	Figure (Fig.)	Used on live parts	Figure (Fig.)
9F61BNW402		9F61BNW751 (Indoor)	
		9F61AWW738 (Outdoor)	

Fuse Size EE (Ferrule Diameter two 4" in parallel)

Fuse Supports & Disconnect Switches	Spare Live Parts(*)	Figure (Fig.)	Spare Fuse Clips(**)	Fuse size
9F61AFB501	9F61BNW452		N/A	EE
9F61AFG501				EE
9F61AFJ501				EE

Current-Limiting Power Fuses

External Transformer Protection (ETP) Fuses

9F59U Series

Product Description

Backup current-limiting fuses designed to protect transformers are used in series with another protective device (such as an expulsion fuse). This combination limits the high-fault current to a safe level, thus providing protection through the complete range. As its name implies, the “ETP” is for External Transformer Protection. For conventional transformers protected by expulsion-fuse cutouts, the ETP can be installed in series with the cutout. For self-protected transformers, the ETP can be applied on the high-voltage bushing in series with the internal transformer expulsion fuse. From 8.3kV to 23kV and from 8T to 80K. Interrupting rating 50 kA Sym.



SURE GUARD

Catalog Number	ETP Rating	ETP Hardware	Minimum kV Class	Recommended Max. Expulsion	Max. Total I ² T	I.C. Amperes	Min. Melt Curve	Total Clear Curve	Let-through Curve
9F59UBC101	8.3, Spade & Stud	Without Hardware	15	8T or 12K	16000	440	GES-8228A	GES-8229A	GET-6693A
9F59UBC111	8.3, Spade & Stud	(1) Adapter	15	8T or 12K	16000	440	GES-8228A	GES-8229A	GET-6693A
9F59UBC121	8.3, Spade & Stud	(1) Eyebolt Terminal	15	8T or 12K	16000	440	GES-8228A	GES-8229A	GET-6693A
9F59UBC131	8.3, Spade & Stud	(1) Parallel Groove	15	8T or 12K	16000	440	GES-8228A	GES-8229A	GET-6693A
9F59UBC201	8.3, Spade & Spade	Without Hardware	15	8T or 12K	16000	440	GES-8228A	GES-8229A	GET-6693A
9F59UBC211	8.3, Spade & Spade	(1) Adapter	15	8T or 12K	16000	440	GES-8228A	GES-8229A	GET-6693A
9F59UBC221	8.3, Spade & Spade	(1) Eyebolt Terminal	15	8T or 12K	16000	440	GES-8228A	GES-8229A	GET-6693A
9F59UBC231	8.3, Spade & Spade	(1) Parallel Groove	15	8T or 12K	16000	440	GES-8228A	GES-8229A	GET-6693A
9F59UBC241	8.3, Spade & Spade	Adapter & eyebolt terminal	15	8T or 12K	16000	440	GES-8228A	GES-8229A	GET-6693A
9F59UBC251	8.3, Spade & Spade	Adapter & parallel groove	15	8T or 12K	16000	440	GES-8228A	GES-8229A	GET-6693A
9F59UBC261	8.3, Spade & Spade	Eyebolt terminal & parallel groove	15	8T or 12K	16000	440	GES-8228A	GES-8229A	GET-6693A
9F59UBC271	8.3, Spade & Spade	(2) Eyebolt terminals	15	8T or 12K	16000	440	GES-8228A	GES-8229A	GET-6693A
9F59UBC281	8.3, Spade & Spade	(2) Parallel groove	15	8T or 12K	16000	440	GES-8228A	GES-8229A	GET-6693A
9F59UBC102	8.3, Spade & Stud	Without Hardware	15	15T or 25K	50000	450	GES-8228A	GES-8229A	GET-6693A
9F59UBC112	8.3, Spade & Stud	(1) Adapter	15	15T or 25K	50000	450	GES-8228A	GES-8229A	GET-6693A
9F59UBC122	8.3, Spade & Stud	(1) Eyebolt Terminal	15	15T or 25K	50000	450	GES-8228A	GES-8229A	GET-6693A
9F59UBC132	8.3, Spade & Stud	(1) Parallel Groove	15	15T or 25K	50000	450	GES-8228A	GES-8229A	GET-6693A
9F59UBC202	8.3, Spade & Spade	Without Hardware	15	15T or 25K	50000	450	GES-8228A	GES-8229A	GET-6693A
9F59UBC212	8.3, Spade & Spade	(1) Adapter	15	15T or 25K	50000	450	GES-8228A	GES-8229A	GET-6693A
9F59UBC222	8.3, Spade & Spade	(1) Eyebolt Terminal	15	15T or 25K	50000	450	GES-8228A	GES-8229A	GET-6693A
9F59UBC232	8.3, Spade & Spade	(1) Parallel Groove	15	15T or 25K	50000	450	GES-8228A	GES-8229A	GET-6693A
9F59UBC242	8.3, Spade & Spade	Adapter & eyebolt terminal	15	15T or 25K	50000	450	GES-8228A	GES-8229A	GET-6693A
9F59UBC252	8.3, Spade & Spade	Adapter & parallel groove	15	15T or 25K	50000	450	GES-8228A	GES-8229A	GET-6693A
9F59UBC262	8.3, Spade & Spade	Eyebolt terminal & parallel groove	15	15T or 25K	50000	450	GES-8228A	GES-8229A	GET-6693A
9F59UBC272	8.3, Spade & Spade	(2) Eyebolt terminals	15	15T or 25K	50000	450	GES-8228A	GES-8229A	GET-6693A

Current-Limiting Power Fuses

External Transformer Protection (ETP) Fuses

9F59U Series

SURE GUARD (Continued)

Catalog Number	ETP Rating	ETP Hardware	kV Class	Recommended Max. Expulsion	Minimum Max. Total I ² T	I.C. Amperes	Min. Melt Curve	Total Clear Curve	Let-through Curve
9F59UBC282	8.3, Spade & Spade	(2) Parallel groove	15	15T or 25K	50000	450	GES-8228A	GES-8229A	GET-6693A
9F59UBC104	8.3, Spade & Stud	Without Hardware	15	25T or 40K	140000	560	GES-8228A	GES-8229A	GET-6693A
9F59UBC114	8.3, Spade & Stud	(1) Adapter	15	25T or 40K	140000	560	GES-8228A	GES-8229A	GET-6693A
9F59UBC124	8.3, Spade & Stud	(1) Eyebolt Terminal	15	25T or 40K	140000	560	GES-8228A	GES-8229A	GET-6693A
9F59UBC134	8.3, Spade & Stud	(1) Parallel Groove	15	25T or 40K	140000	560	GES-8228A	GES-8229A	GET-6693A
9F59UBC204	8.3, Spade & Spade	Without Hardware	15	25T or 40K	140000	560	GES-8228A	GES-8229A	GET-6693A
9F59UBC214	8.3, Spade & Spade	(1) Adapter	15	25T or 40K	140000	560	GES-8228A	GES-8229A	GET-6693A
9F59UBC224	8.3, Spade & Spade	(1) Eyebolt Terminal	15	25T or 40K	140000	560	GES-8228A	GES-8229A	GET-6693A
9F59UBC234	8.3, Spade & Spade	(1) Parallel Groove	15	25T or 40K	140000	560	GES-8228A	GES-8229A	GET-6693A
9F59UBC244	8.3, Spade & Spade	Adapter & eyebolt terminal	15	25T or 40K	140000	560	GES-8228A	GES-8229A	GET-6693A
9F59UBC254	8.3, Spade & Spade	Adapter & parallel groove	15	25T or 40K	140000	560	GES-8228A	GES-8229A	GET-6693A
9F59UBC264	8.3, Spade & Spade	Eyebolt terminal & parallel groove	15	25T or 40K	140000	560	GES-8228A	GES-8229A	GET-6693A
9F59UBC274	8.3, Spade & Spade	(2) Eyebolt terminals	15	25T or 40K	140000	560	GES-8228A	GES-8229A	GET-6693A
9F59UBC284	8.3, Spade & Spade	(2) Parallel groove	15	25T or 40K	140000	560	GES-8228A	GES-8229A	GET-6693A
9F59UBC208	8.3, Spade & Spade	Without Hardware	15	50T or 80K	88000	1200	GES-8228A	GES-8229A	GET-6693A
9F59UBC218	8.3, Spade & Spade	(1) Adapter	15	50T or 80K	88000	1200	GES-8228A	GES-8229A	GET-6693A
9F59UBC228	8.3, Spade & Spade	(1) Eyebolt Terminal	15	50T or 80K	88000	1200	GES-8228A	GES-8229A	GET-6693A
9F59UBC238	8.3, Spade & Spade	(1) Parallel Groove	15	50T or 80K	88000	1200	GES-8228A	GES-8229A	GET-6693A
9F59UBC248	8.3, Spade & Spade	Adapter & eyebolt terminal	15	50T or 80K	88000	1200	GES-8228A	GES-8229A	GET-6693A
9F59UBC258	8.3, Spade & Spade	Adapter & parallel groove	15	50T or 80K	88000	1200	GES-8228A	GES-8229A	GET-6693A
9F59UBC268	8.3, Spade & Spade	Eyebolt terminal & parallel groove	15	50T or 80K	88000	1200	GES-8228A	GES-8229A	GET-6693A
9F59UBC278	8.3, Spade & Spade	(2) Eyebolt terminals	15	50T or 80K	88000	1200	GES-8228A	GES-8229A	GET-6693A
9F59UBC288	8.3, Spade & Spade	(2) Parallel groove	15	50T or 80K	88000	1200	GES-8228A	GES-8229A	GET-6693A
9F59UBD101	15.5, Spade & Stud	Without Hardware	25	8T or 12K	16000	510	GES-8228A	GES-8229A	GET-6693A
9F59UBD111	15.5, Spade & Stud	(1) Adapter	25	8T or 12K	16000	510	GES-8228A	GES-8229A	GET-6693A
9F59UBD121	15.5, Spade & Stud	(1) Eyebolt Terminal	25	8T or 12K	16000	510	GES-8228A	GES-8229A	GET-6693A
9F59UBD131	15.5, Spade & Stud	(1) Parallel Groove	25	8T or 12K	16000	510	GES-8228A	GES-8229A	GET-6693A
9F59UBD201	15.5, Spade & Spade	Without Hardware	25	8T or 12K	16000	510	GES-8228A	GES-8229A	GET-6693A
9F59UBD211	15.5, Spade & Spade	(1) Adapter	25	8T or 12K	16000	510	GES-8228A	GES-8229A	GET-6693A
9F59UBD221	15.5, Spade & Spade	(1) Eyebolt Terminal	25	8T or 12K	16000	510	GES-8228A	GES-8229A	GET-6693A
9F59UBD231	15.5, Spade & Spade	(1) Parallel Groove	25	8T or 12K	16000	510	GES-8228A	GES-8229A	GET-6693A
9F59UBD241	15.5, Spade & Spade	Adapter & eyebolt terminal	25	8T or 12K	16000	510	GES-8228A	GES-8229A	GET-6693A
9F59UBD251	15.5, Spade & Spade	Adapter & parallel groove	25	8T or 12K	16000	510	GES-8228A	GES-8229A	GET-6693A
9F59UBD261	15.5, Spade & Spade	Eyebolt terminal & parallel groove	25	8T or 12K	16000	510	GES-8228A	GES-8229A	GET-6693A
9F59UBD271	15.5, Spade & Spade	(2) Eyebolt terminals	25	8T or 12K	16000	510	GES-8228A	GES-8229A	GET-6693A
9F59UBD281	15.5, Spade & Spade	(2) Parallel groove	25	8T or 12K	16000	510	GES-8228A	GES-8229A	GET-6693A

Current-Limiting Power Fuses

External Transformer Protection (ETP) Fuses

9F59U Series

SURE GUARD (Continued)

Catalog Number	ETP Rating	ETP Hardware	kV Class	Recommended Max. Expulsion	Max. Total I ² T	Minimum I.C. Amperes	Min. Melt Curve	Total Clear Curve	Let-through Curve
9F59UBD102	15.5, Spade & Stud	Without Hardware	25	15T or 25K	50000	480	GES-8228A	GES-8229A	GET-6693A
9F59UBD112	15.5, Spade & Stud	(1) Adapter	25	15T or 25K	50000	480	GES-8228A	GES-8229A	GET-6693A
9F59UBD122	15.5, Spade & Stud	(1) Eyebolt Terminal	25	15T or 25K	50000	480	GES-8228A	GES-8229A	GET-6693A
9F59UBD132	15.5, Spade & Stud	(1) Parallel Groove	25	15T or 25K	50000	480	GES-8228A	GES-8229A	GET-6693A
9F59UBD202	15.5, Spade & Spade	Without Hardware	25	15T or 25K	50000	480	GES-8228A	GES-8229A	GET-6693A
9F59UBD212	15.5, Spade & Spade	(1) Adapter	25	15T or 25K	50000	480	GES-8228A	GES-8229A	GET-6693A
9F59UBD222	15.5, Spade & Spade	(1) Eyebolt Terminal	25	15T or 25K	50000	480	GES-8228A	GES-8229A	GET-6693A
9F59UBD232	15.5, Spade & Spade	(1) Parallel Groove	25	15T or 25K	50000	480	GES-8228A	GES-8229A	GET-6693A
9F59UBD242	15.5, Spade & Spade	Adapter & eyebolt terminal	25	15T or 25K	50000	480	GES-8228A	GES-8229A	GET-6693A
9F59UBD252	15.5, Spade & Spade	Adapter & parallel groove	25	15T or 25K	50000	480	GES-8228A	GES-8229A	GET-6693A
9F59UBD262	15.5, Spade & Spade	Eyebolt terminal & parallel groove	25	15T or 25K	50000	480	GES-8228A	GES-8229A	GET-6693A
9F59UBD272	15.5, Spade & Spade	(2) Eyebolt terminals	25	15T or 25K	50000	480	GES-8228A	GES-8229A	GET-6693A
9F59UBD282	15.5, Spade & Spade	(2) Parallel groove	25	15T or 25K	50000	480	GES-8228A	GES-8229A	GET-6693A
9F59UBD104	15.5, Spade & Stud	Without Hardware	25	25T or 40K	140000	890	GES-8228A	GES-8229A	GET-6693A
9F59UBD114	15.5, Spade & Stud	(1) Adapter	25	25T or 40K	140000	890	GES-8228A	GES-8229A	GET-6693A
9F59UBD124	15.5, Spade & Stud	(1) Eyebolt Terminal	25	25T or 40K	140000	890	GES-8228A	GES-8229A	GET-6693A
9F59UBD134	15.5, Spade & Stud	(1) Parallel Groove	25	25T or 40K	140000	890	GES-8228A	GES-8229A	GET-6693A
9F59UBD204	15.5, Spade & Spade	Without Hardware	25	25T or 40K	140000	890	GES-8228A	GES-8229A	GET-6693A
9F59UBD214	15.5, Spade & Spade	(1) Adapter	25	25T or 40K	140000	890	GES-8228A	GES-8229A	GET-6693A
9F59UBD224	15.5, Spade & Spade	(1) Eyebolt Terminal	25	25T or 40K	140000	890	GES-8228A	GES-8229A	GET-6693A
9F59UBD234	15.5, Spade & Spade	(1) Parallel Groove	25	25T or 40K	140000	890	GES-8228A	GES-8229A	GET-6693A
9F59UBD244	15.5, Spade & Spade	Adapter & eyebolt terminal	25	25T or 40K	140000	890	GES-8228A	GES-8229A	GET-6693A
9F59UBD254	15.5, Spade & Spade	Adapter & parallel groove	25	25T or 40K	140000	890	GES-8228A	GES-8229A	GET-6693A
9F59UBD264	15.5, Spade & Spade	Eyebolt terminal & parallel groove	25	25T or 40K	140000	890	GES-8228A	GES-8229A	GET-6693A
9F59UBD274	15.5, Spade & Spade	(2) Eyebolt terminals	25	25T or 40K	140000	890	GES-8228A	GES-8229A	GET-6693A
9F59UBD284	15.5, Spade & Spade	(2) Parallel groove	25	25T or 40K	140000	890	GES-8228A	GES-8229A	GET-6693A
9F59UBD208	15.5, Spade & Spade	Without Hardware	25	50T or 80K	88000	1200	GES-8228A	GES-8229A	GET-6693A
9F59UBD218	15.5, Spade & Spade	(1) Adapter	25	50T or 80K	88000	1200	GES-8228A	GES-8229A	GET-6693A
9F59UBD228	15.5, Spade & Spade	(1) Eyebolt Terminal	25	50T or 80K	88000	1200	GES-8228A	GES-8229A	GET-6693A
9F59UBD238	15.5, Spade & Spade	(1) Parallel Groove	25	50T or 80K	88000	1200	GES-8228A	GES-8229A	GET-6693A
9F59UBD248	15.5, Spade & Spade	Adapter & eyebolt terminal	25	50T or 80K	88000	1200	GES-8228A	GES-8229A	GET-6693A
9F59UBD258	15.5, Spade & Spade	Adapter & parallel groove	25	50T or 80K	88000	1200	GES-8228A	GES-8229A	GET-6693A
9F59UBD268	15.5, Spade & Spade	Eyebolt terminal & parallel groove	25	50T or 80K	88000	1200	GES-8228A	GES-8229A	GET-6693A
9F59UBD278	15.5, Spade & Spade	(2) Eyebolt terminals	25	50T or 80K	88000	1200	GES-8228A	GES-8229A	GET-6693A
9F59UBD288	15.5, Spade & Spade	(2) Parallel groove	25	50T or 80K	88000	1200	GES-8228A	GES-8229A	GET-6693A
9F59UBE101	23.0, Spade & Stud	Without Hardware	35	8T or 12K	16000	280	GES-8228A	GES-8229A	GET-6693A

Current-Limiting Power Fuses

External Transformer Protection (ETP) Fuses

9F59U Series

SURE GUARD (Continued)

Catalog Number	ETP Rating	ETP Hardware	kV Class	Recommended Max. Expulsion	Max. Total I ² T	Minimum I.C. Amperes	Min. Melt Curve	Total Clear Curve	Let-through Curve
9F59UBE111	23.0, Spade & Stud	(1) Adapter	35	8T or 12K	16000	280	GES-8228A	GES-8229A	GET-6693A
9F59UBE121	23.0, Spade & Stud	(1) Eyebolt Terminal	35	8T or 12K	16000	280	GES-8228A	GES-8229A	GET-6693A
9F59UBE131	23.0, Spade & Stud	(1) Parallel Groove	35	8T or 12K	16000	280	GES-8228A	GES-8229A	GET-6693A
9F59UBE201	23.0, Spade & Spade	Without Hardware	35	8T or 12K	16000	280	GES-8228A	GES-8229A	GET-6693A
9F59UBE211	23.0, Spade & Spade	(1) Adapter	35	8T or 12K	16000	280	GES-8228A	GES-8229A	GET-6693A
9F59UBE221	23.0, Spade & Spade	(1) Eyebolt Terminal	35	8T or 12K	16000	280	GES-8228A	GES-8229A	GET-6693A
9F59UBE231	23.0, Spade & Spade	(1) Parallel Groove	35	8T or 12K	16000	280	GES-8228A	GES-8229A	GET-6693A
9F59UBE241	23.0, Spade & Spade	Adapter & eyebolt terminal	35	8T or 12K	16000	280	GES-8228A	GES-8229A	GET-6693A
9F59UBE251	23.0, Spade & Spade	Adapter & parallel groove	35	8T or 12K	16000	280	GES-8228A	GES-8229A	GET-6693A
9F59UBE261	23.0, Spade & Spade	Eyebolt terminal & parallel groove	35	8T or 12K	16000	280	GES-8228A	GES-8229A	GET-6693A
9F59UBE271	23.0, Spade & Spade	(2) Eyebolt terminals	35	8T or 12K	16000	280	GES-8228A	GES-8229A	GET-6693A
9F59UBE281	23.0, Spade & Spade	(2) Parallel groove	35	8T or 12K	16000	280	GES-8228A	GES-8229A	GET-6693A
9F59UBE102	23.0, Spade & Stud	Without Hardware	35	15T or 25K	70000	460	GES-8228A	GES-8229A	GET-6693A
9F59UBE112	23.0, Spade & Stud	(1) Adapter	35	15T or 25K	70000	460	GES-8228A	GES-8229A	GET-6693A
9F59UBE122	23.0, Spade & Stud	(1) Eyebolt Terminal	35	15T or 25K	70000	460	GES-8228A	GES-8229A	GET-6693A
9F59UBE132	23.0, Spade & Stud	(1) Parallel Groove	35	15T or 25K	70000	460	GES-8228A	GES-8229A	GET-6693A
9F59UBE202	23.0, Spade & Spade	Without Hardware	35	15T or 25K	70000	460	GES-8228A	GES-8229A	GET-6693A
9F59UBE212	23.0, Spade & Spade	(1) Adapter	35	15T or 25K	70000	460	GES-8228A	GES-8229A	GET-6693A
9F59UBE222	23.0, Spade & Spade	(1) Eyebolt Terminal	35	15T or 25K	70000	460	GES-8228A	GES-8229A	GET-6693A
9F59UBE232	23.0, Spade & Spade	(1) Parallel Groove	35	15T or 25K	70000	460	GES-8228A	GES-8229A	GET-6693A
9F59UBE242	23.0, Spade & Spade	Adapter & eyebolt terminal	35	15T or 25K	70000	460	GES-8228A	GES-8229A	GET-6693A
9F59UBE252	23.0, Spade & Spade	Adapter & parallel groove	35	15T or 25K	70000	460	GES-8228A	GES-8229A	GET-6693A
9F59UBE262	23.0, Spade & Spade	Eyebolt terminal & parallel groove	35	15T or 25K	70000	460	GES-8228A	GES-8229A	GET-6693A
9F59UBE272	23.0, Spade & Spade	(2) Eyebolt terminals	35	15T or 25K	70000	460	GES-8228A	GES-8229A	GET-6693A
9F59UBE282	23.0, Spade & Spade	(2) Parallel groove	35	15T or 25K	70000	460	GES-8228A	GES-8229A	GET-6693A

Hardware Options

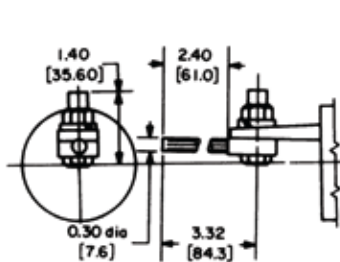


Fig. 1. Adapter only
9F59AAW007

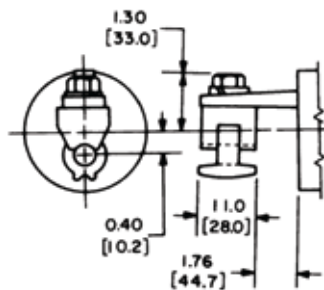


Fig. 2. Eyebolt only,
for 6-2/0 cable
9F59AAW008

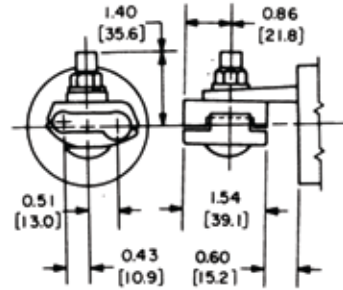


Fig. 3. Parallel groove only,
for 2/0 to 250MCM cable
9F59AAW009

Catalog Nos. Suitable for Parallel Application

Catalog Number	Max kV
9F59UBC208	8.3
9F59UBC218	8.3
9F59UBC228	8.3
9F59UBC238	8.3
9F59UBC248	8.3
9F59UBC258	8.3
9F59UBC268	8.3
9F59UBC278	8.3
9F59UBC288	8.3
9F59UBD208	15.5
9F59UBD218	15.5
9F59UBD228	15.5
9F59UBD238	15.5
9F59UBD248	15.5
9F59UBD258	15.5
9F59UBD268	15.5
9F59UBD278	15.5
9F59UBD288	15.5

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