

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.