Fuses in Hazardous Locations

Class I Division 1
Fuses located in Class 1 Division 1 locations are required to be provided with enclosures that are identified as a complete assembly for use in Class 1 locations [501.115(A)].

Class I Division 2
NEC Section 501.115(B)(3) addresses the use of current-limiting fuses in Class I Division 2 locations. Plug and cartridge fuses used for the protection of motors, appliances, and lamps are permitted provided they are placed in enclosures rated for the location. Fuses are permitted in general-purpose enclosures if they meet one of the following criteria:

a) They are the type which the element is immersed in oil or other approved liquid
b) The element is hermetically sealed against gases and vapors
c) They are non-indicating, filled, and current-limiting type

Bussmann offers many fuses that meet the criteria for non-indicating, filled, current-limiting type.

Class CC
LP-CC 1/2 through 30A
KTK-R 1/2 through 30A
FNQ-R 8/10 through 30A

Class T
JJS 1 through 800A
JJN 1 through 1200A

Class J
JKS 1 through 600A
LPJ_SP through 600A

Class G
SC 1/2 through 60A

Class CC
KTN-R 1 through 600A
KTS-R 1 through 600A
LPN-RK_SP* 3 through 6.25 and 70 through 600A

Class RK5
FRN-R 3 through 7.25 and 225 through 600A
FRS-R** 65 through 600A

Class L
KRP-C_SP 601 through 6000A
KTU 601 through 6000A
KLU 601 through 4000A

The following is a list of hermetically sealed fuses:

Medium Voltage
JCH-30
JCH 2R through 24R
JCG-30
JCG 2R through 24R

*Fuses from July 1996 or date code C28 to present only.
**Fuses from October 1997 or date code D40 to present only.