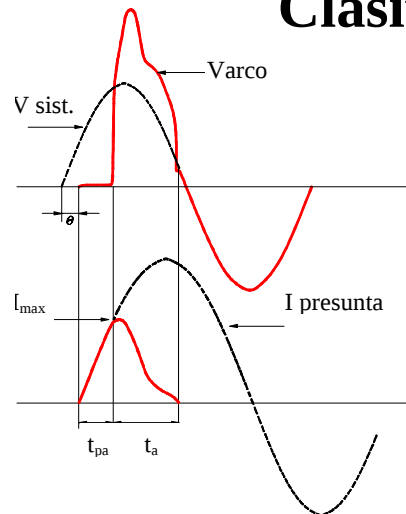


FUSIBLES

Clasificación



•Fusibles limitadores

NH

HH

tipo D

•Fusibles no limitadores

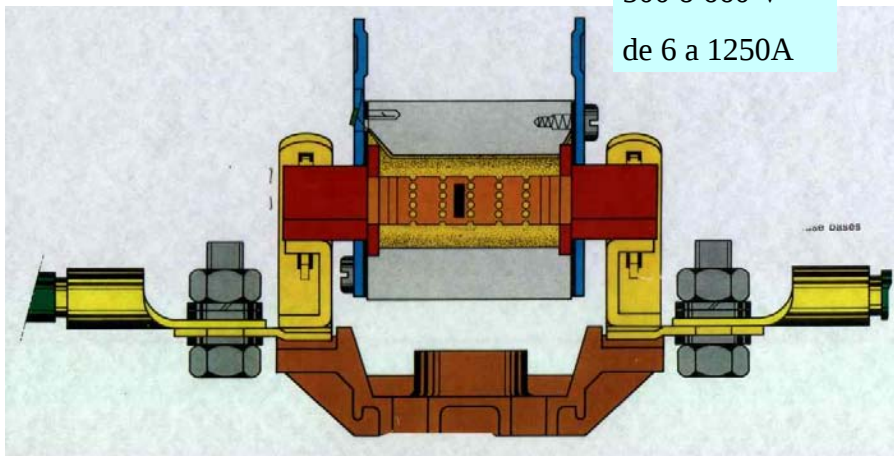
Expulsión

Tipo lira

Fusibles limitadores

Tipo NH

500 ó 660 V
de 6 a 1250A

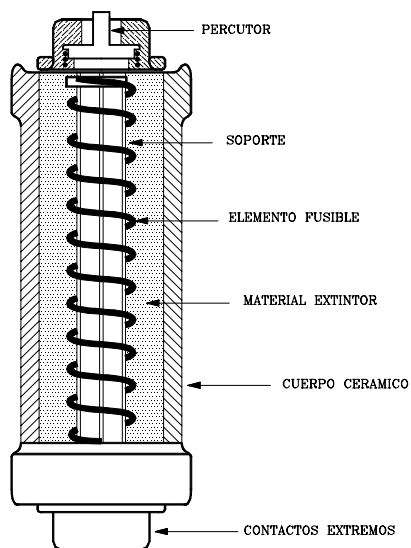


Fusibles limitadores Tipo NH

- Normas
 - IEC 269 y VDE 0636
- Tamaños:
 - 00, 01, 1, 2, 3, 4 y 4a
- Capacidad de ruptura:
 - 100 kA
- Clasificación según su empleo:
 - **gL** - Protección de cables y aparatos en general.
 - **aM** - Protección de motores y sus accesorios.
 - **aR** - Protección de semiconductores.
 - **gTr** - Protección de transformadores.



Fusibles limitadores



Tipo HH de media tensión

IEC 282 y VDE 0670

Entre 3 y 33 kV

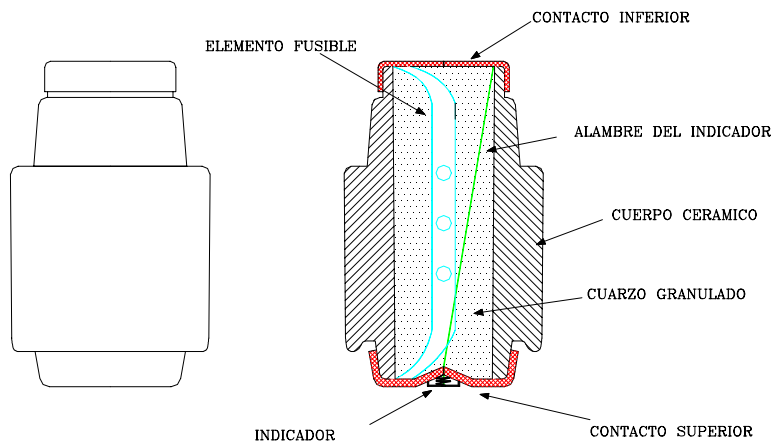
6 a 200 A

Fusibles limitadores Tipo HH

- Percutor
- Uso en interiores
- Capacidad de ruptura:
 - 300 MVA
- Clasificación según su empleo:
 - Respaldo
 - Propósito general

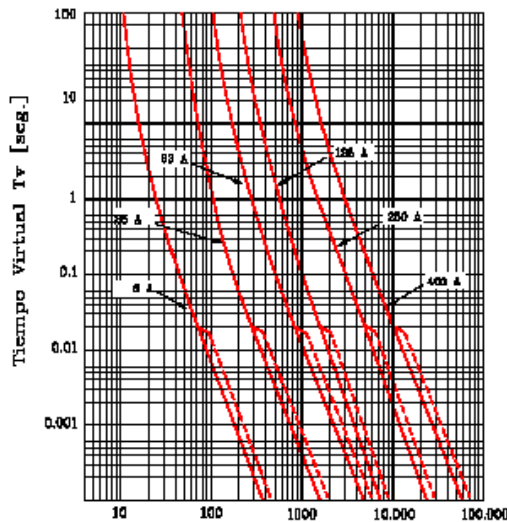


Fusibles limitadores Tipo D



Fusibles limitadores

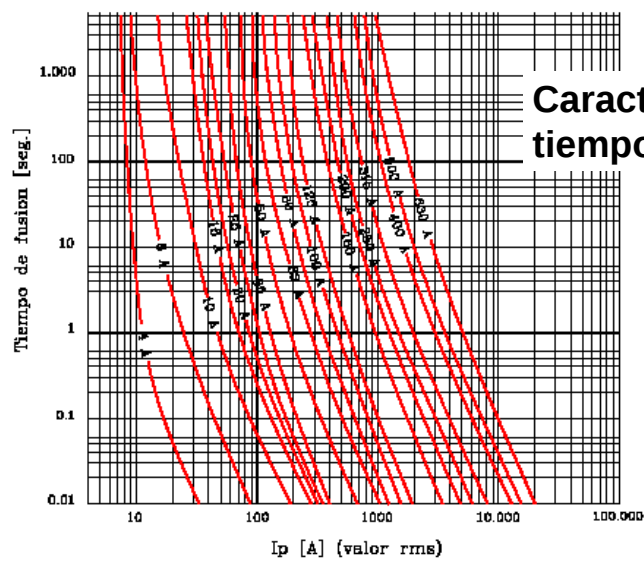
Información disponible



**Características
tiempo-corriente**

Fusibles limitadores

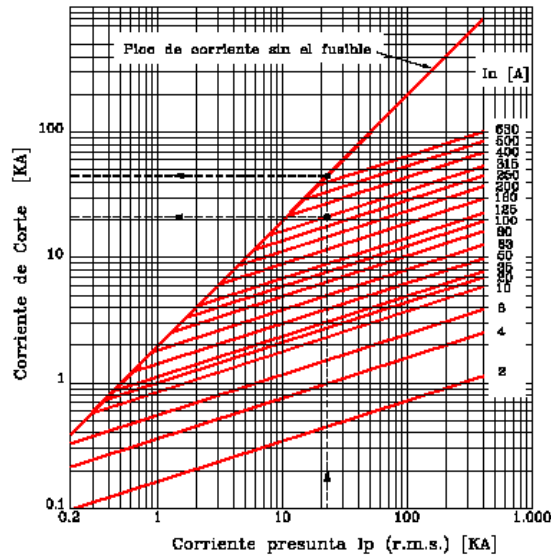
Información disponible



**Características
tiempo-corriente**

Fusibles limitadores

Información disponible

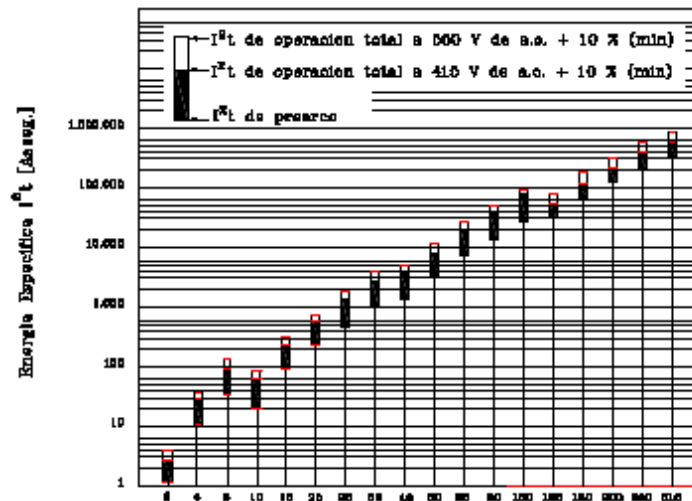


Características de limitación de corriente

Fusibles limitadores

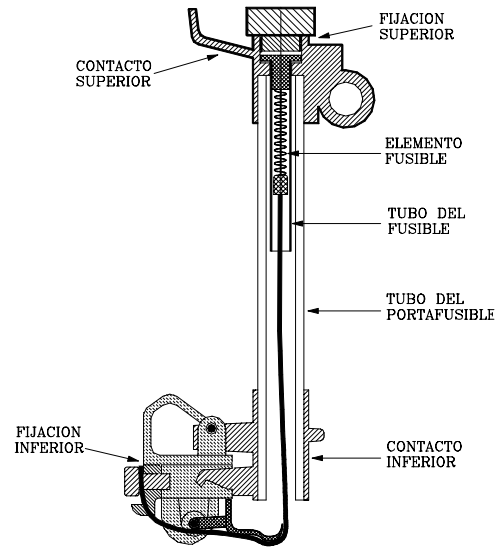
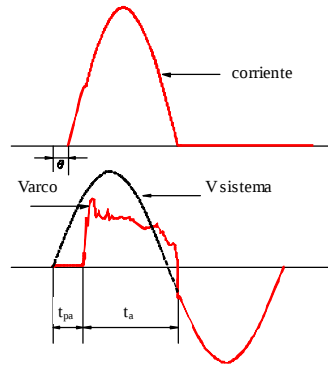
Información disponible

Características de I^2t



Fusibles no limitadores

Fusibles de expulsión



Removable buttonhead permits use of Positrol Fuse Links in outlets with or without arc-shortening rod

Helically coiled fusible element is not subject to mechanical or thermal stresses, or to damage from vibration

Strain wire restrains static force of cutout flipper spring

Terminals are swaged—not soldered—providing nondamagable element connections . . . plus permanent grip of strain wire and cable

Swaged cable section prevents stranding of strands and wadding of cable during the interrupting process, ensuring positive withdrawal of cable from sheath

Tinned copper stranded cable resists corrosion, and is of a diameter sized to resist corona

Controlled-burst-strength filament-wound fiberglass epoxy-bonded sheath for unmatched full-fault-spectrum interrupting performance

Speed Comparison Example

Ratings

Speed	Amps Range
K	6-200
T	6-200
Standard	1-200
QR	1-200
N	8-200
Coordinating	101-103

Fusibles no limitadores

Fusibles de expulsión

IEEE 37-40
IEEE 37-41

Distintas velocidades:

$$V = \frac{I_{0,1s}}{I_{300s}}$$

Fusibles no limitadores Fusibles de expulsión

Parallel-groove connector—in-plated cast red brass. For ease of connection, accommodates two conductors, even of unlike size. Other styles of connectors are also available.

Birdproof-design insulator—higher insulation characteristics than ANSI distribution-cutout standards. NEMA Type B and extended mounting brackets available.

Upper contacts—silver-to-silver; stainless-steel spring provides high contact pressure.

Rugged attachment hooks for Loadbuster—guide tube during closing.

Fuse tube—fiber-lined epoxy fiberglass with special ultra-violet-resistant finish. Models also available with disconnect blade.

Toggle joint assures reliable dropout after interruption.

Lower contacts (not visible)—silver-to-silver; provide dual current path, independent of hinge pivot.

Turnion—high-strength cast bronze, silver plated. Surfaces around turnion bear on broad hinge surfaces to keep tube in alignment during closing.

Turnion pocket secures tube in hinge during closing.

Sturdy ferrules—cast red brass. Pinned to top and bottom of tube for permanent alignment.

Flipper gives high-speed terminal separation, quick cable flip-out, and (in conjunction with the toggle joint) reduces transmission of forces to fuse link during closing.

TYPE XS FUSE CUTOUTS

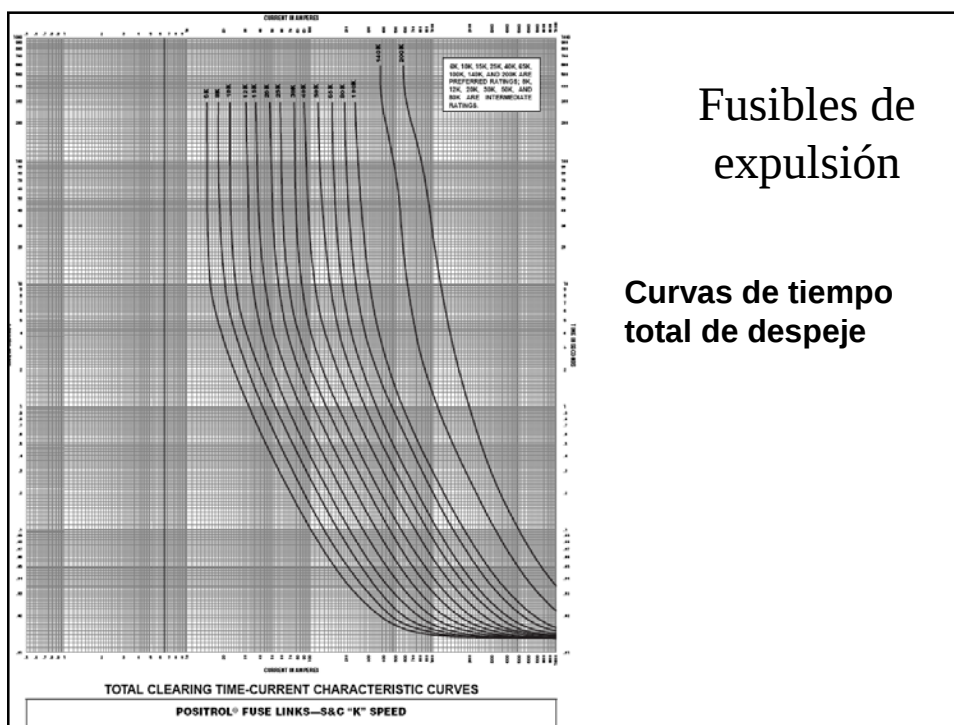
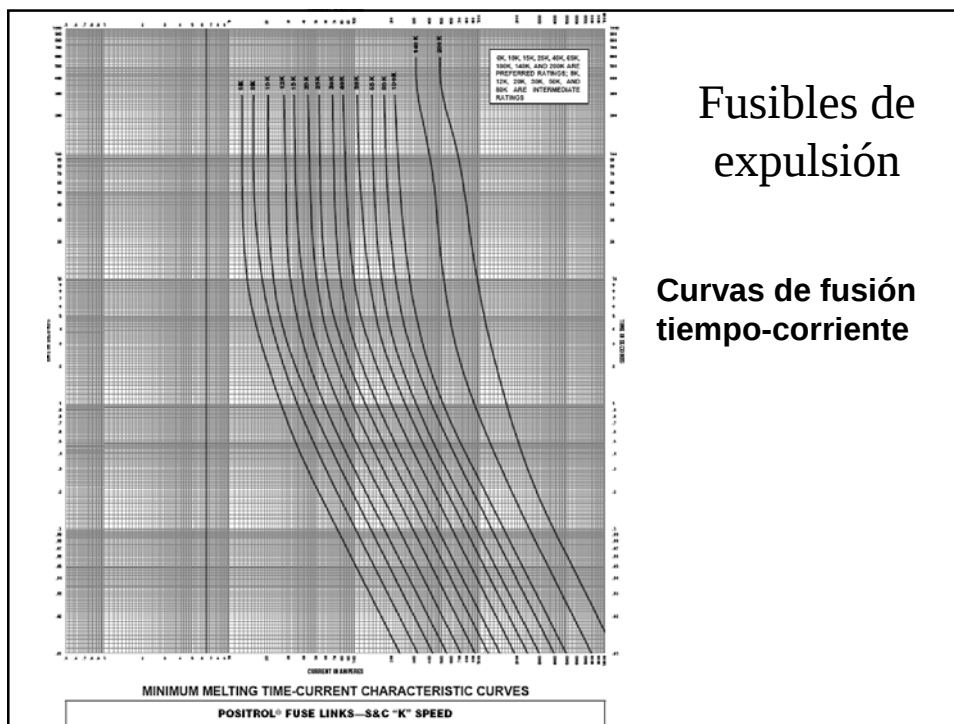
Kv		Amperes, Rms				Leakage Distance in inches	
Norm.	Max.	BIL	Cont.	Inter., Asym. 80 Hz	80 Hz	60 Hz	mm
7.2	7.5	35	200	12 000	9 600	8%	215
			100	10 000	8 000	8%	215
				12 000▲	9 600▲	8%	215
14.4	15	35	200	12 000	9 600	8%	215
			100	10 000	8 000	8%	215
			Disconnect 300	—	—	—	215
125	200	10 000	8 000	11	279		
150	200	10 000	8 000	17	432		
		8 000	6 400	11	279		
		12 000	9 600	11	279		
		15 000▲	12 800▲	—	—		
		Disconnect 300	—	—	—	11	279
25	27	8 000	6 400	17	432		
		12 000	9 600	17	432		
		15 000	12 800	17	432		
		12 000	9 600	26	660		
		Disconnect 300	—	—	—	17	432
		—	—	—	—	26	660

▲ One-shot rating, based on replacement of cutout tube only.

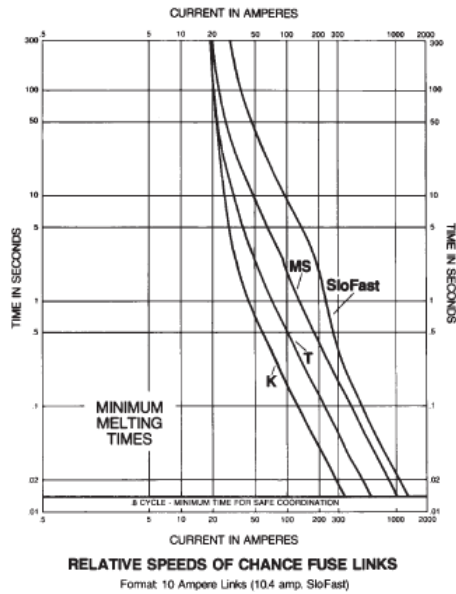
Fusibles no limitadores Fusibles de expulsión

**Right-Angle Style
Type SMD-1A
69 kv**

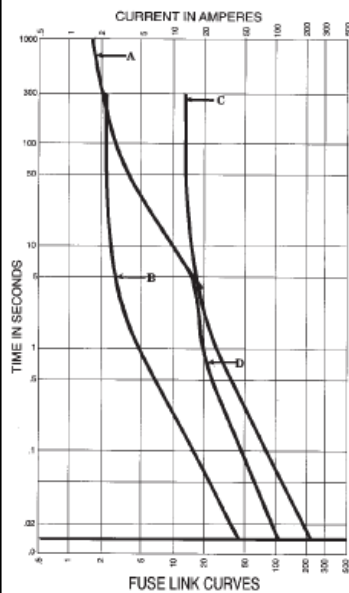
Catalog Number 192006R2
 Kv, Nominal 69
 Kv, Max Design 72.5
 Kv, BIL 350
 Amperes, Max 200E
 Amperes, Interrupting:
 Rms Symmetrical 8,750
 Rms Asymmetrical 14,000



Fusibles de expulsión



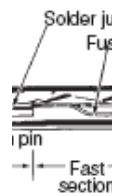
Tipos de curvas
tiempo-corriente



Curve A Safe Loading Curve for 5kVA 7200 V. Transformer
Curve B Average Melting Curve for NEMA 1 Amp. K
Curve C Average Melting Curve for NEMA 6 Amp. K
Curve D Average Melting Curve for 7 Amp. SloFast Fuse Link

ibles de expulsión

v-fast para protección de trafos



Amps	†Catalog Number	
	Solid head	Removable head
0.4	M0D4SF23	M0D4SFA23
0.6	M0D6SF23	M0D6SFA23
0.7	M0D7SF23	M0D7SFA23
1.0	M1D0SF23	M1D0SFA23
1.3	M1D3SF23	M1D3SFA23
1.4	M1D4SF23	M1D4SFA23
1.6	M1D6SF23	M1D6SFA23
2.1	M2D1SF23	M2D1SFA23
3.1	M3D1SF23	M3D1SFA23
3.5	M3D5SF23	M3D5SFA23
4.2	M4D2SF23	M4D2SFA23
5.2	M5D2SF23	M5D2SFA23
6.3	M6D3SF23	M6.3SFA23
7.0	M7D0SF23	M7D0SFA23
7.8	M7D8SF23	M7D8SFA23
10.4	M10D4SF23	M10D4SFA23
14	M14SF23	M14SFA23
21	M21SF23	M21SFA23
32	M32SF23	M32SFA23
46	M46SF23	M46SFA23