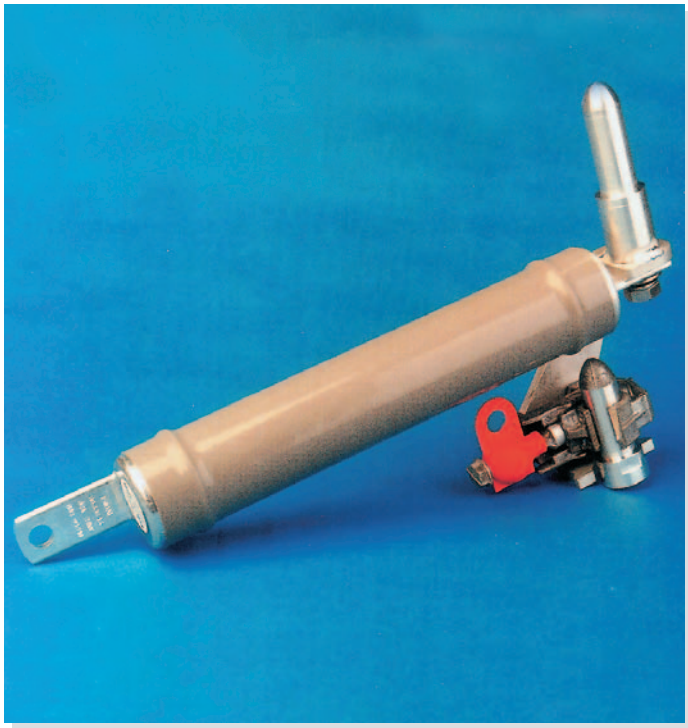
Medium Voltage Fuses

European Standard **For Overhead Lines**



Medium voltage fuses
Plug-in fuses for overhead lines

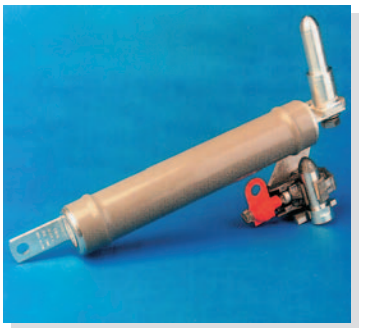
Medium voltage fuse-links with overhead line connectors are supplied as a set. They provide overhead lines with fuse protection on pole mounted distribution transformers.

The set consists of a high voltage fuse-link and a set of contacting armatures.

- A tee-off connection for the installation of such a set provides the possibility to isolate the transformer from the service line.
  Isolation can be achieved with the overhead line alive, and service or modification work on the transformer circuit will not cause interruption of supply to that overhead line. The transformer will only be disconnected on the low voltage side.
- The high voltage fuse links are designed to provide bursting protection of the transformer. The time-current characteristic of the fuse-links matches with the maximum withstand capability of standard pole mounted transformers under fault conditions. Through appropriate design of the fuse-link melting elements, they are especially suitable for overhead lines, which are subjected to lightning strikes, because the short current peaks of such strikes will not cause opening of the fuse-link.

  The fuse-links with a rated voltage 24 kV are suitable for networks with service voltages 10 kV to 24 kV.
- An outstanding advantage for installation work on overhead lines is the low weight of the fuse-link and connectors, achieved by using aluminium for the contact armatures and polyester for the housing of the fuse-link. For protection against ultra-violet radiation degredation the polyester housing is covered with a protective sleeve.

Further technical data are available on request.



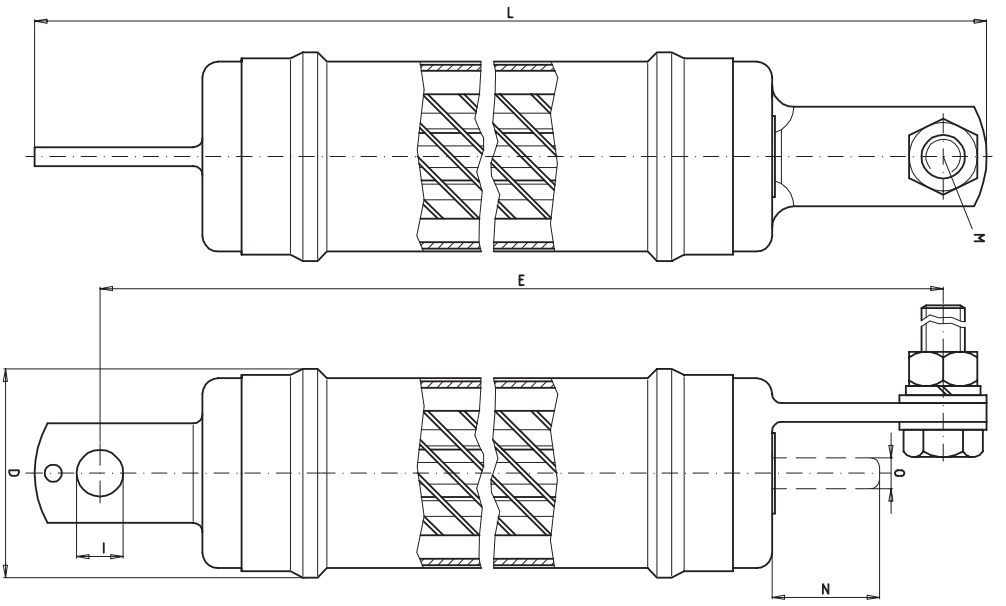
Medium Voltage Fuses

European Standard — **For Overhead Lines**

Rated Voltage
AC 24 kV

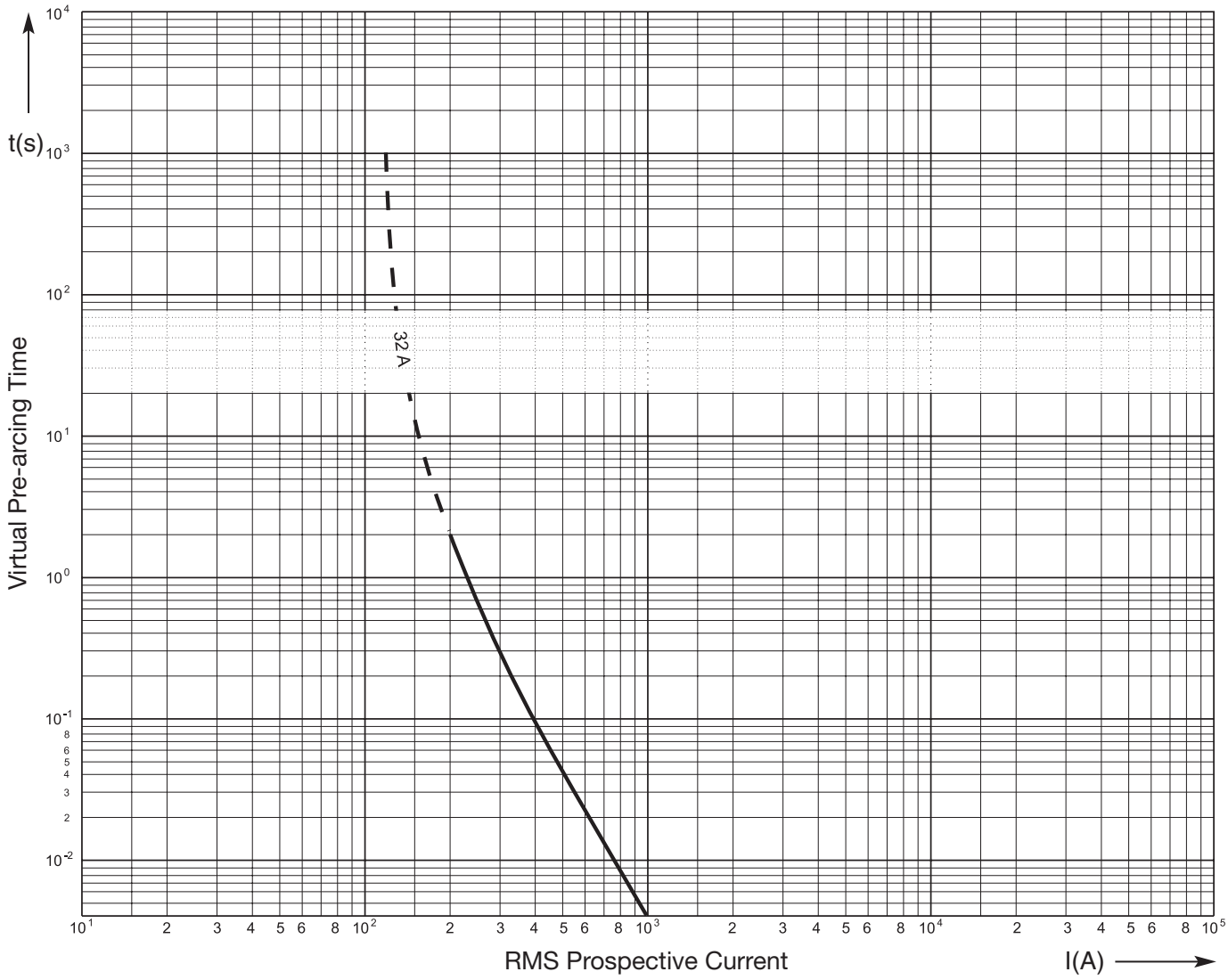
Class
Back-up

Rated Current [A]	Part No.	Rated Breaking Current [kA]	Weight [kg/1]	Pack
32	30 335 13.32	12	2.2	1



D	**2.64”**	(67 mm)
E	**16.77”**	(426 mm)
I	**0.60”**	(15 mm)
L	**18.15”**	(461 mm)
M	**M14**	
N	**1.38”**	(35 mm)
O	**0.40”**	(10 mm)

Time-Current Characteristics



Cut-Off Current Diagram