

What is the class-H test according to EN 62561-1?

For different applications, for example the combination of different materials or conductors, the following approval has to be done:

1. The class H component is subjected to 14 days of an aggressive, saline atmosphere - exposed to an artificial aging process.
2. It is further subjected to three lightning current surges of 100 kA (10/350).
3. The class H test is passed when the component achieves steps 1 and 2, above, without electrical or mechanical failure.

The components of **AF** are class H approved

Figure 1-3: **AF** connection clamp to the gutter is repeatedly charged with 100 kA lightning surge current. Some glowing dust or metal particles are the only visible sign of this extreme stress test!

Figure 4: A non-conforming product burns up in the first 100 kA lightning surge current.

