

**ELECTROMAGNETIC COMPATIBILITY / PRODUCT SAFETY**

**EMC lightning protection**

Will your system survive the next lightning storm?

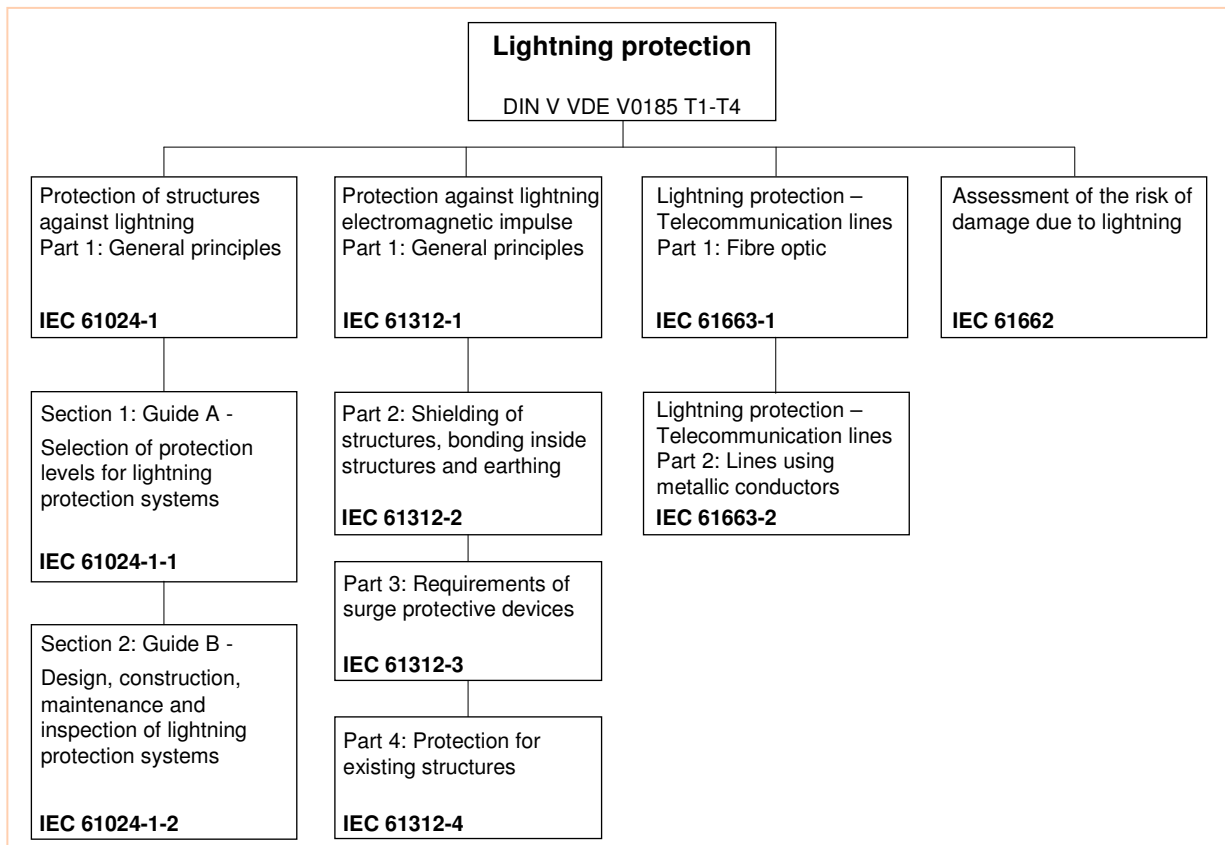


**EMC lightning protection**

- Lightning protection
  - Risk evaluation
  - Determination of interference factors
- Lightning protection
  - Division into protection zones
  - Specification of protective measures (shielding, equipotential bonding, overvoltage protection, grounding)
- Test concepts and implementation
  - Overvoltage tests on systems, equipment and components
  - Measurements of shielding effectiveness for buildings, shelters, cable ducts and lines
- Acceptance of lightning protection and cable measures
- Seminars

**Consulting service for all lightning protection and cable standards**

- Telecommunications specifications (ITU-T, ETSI)
- Defense equipment standards (VG, MIL)
- DIN VDE standards
- IEC and EN standards

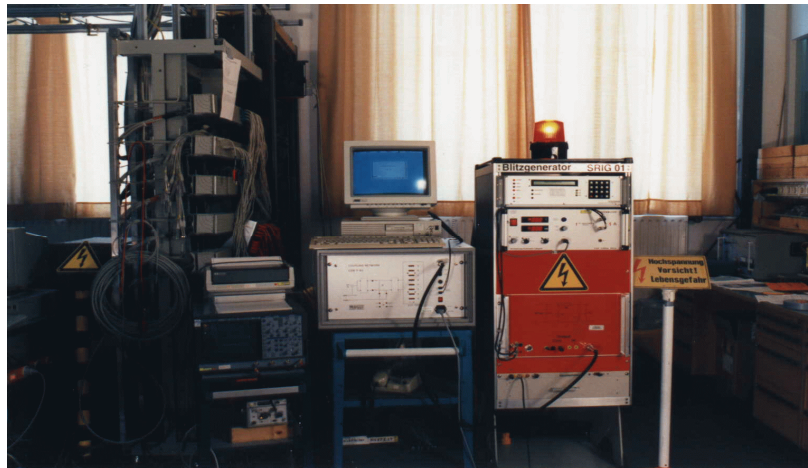


**ELECTROMAGNETIC COMPATIBILITY / PRODUCT SAFETY****Systematic lightning protection and cable – essential in today's world**

Your customers demand a high level of system reliability.

They expect the systems to conform with the European EMC Directive 89/336/EEC.

The miniaturization and density of electronic components contribute to an increase in sensitivity to overvoltage.



Fast-repeating pulse generator

**Our strengths****Many years of experience**

- We plan and design effective lightning protection for industrial, traffic, military and IT systems.
- We are involved in the generation of lightning protection standards.

**Cost-effective testing and computer simulation**

- We conduct our tests using automated measurement stations in compliance with the applicable standards for telecommunications, lightning protection and cable and industrial process technology.
- We use software-based analysis methods for dimensioning appropriate protective measures.

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