Lightning protection for electric systems and loads

Protective measures to prevent damage caused by over-voltage

Why are the damages to electronic apparatus increasing?

The economic damage caused by over-voltage is comparable to the one caused by theft of private property. But the damage is not just economic.

Which are the most effective protective measures?

Repressive measures

SPDs are protective devices that divert the surge or impulse current and damaging it.

What are SPDs and how do they work?

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Advantages

- Immediate protection
- Highest protection level
- Simple selection
- Easy installation
- In existing installations
- Can also be used
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Over-voltage reaches the apparatus?

How and why do electronic equipment?

What causes the majority of faults in electronic devices?

Over-voltage is limited for the downstream load.

How does over-voltage affect the apparatus?

A V

Without SPD

With SPD

Over-voltage reaches the output apparatus, the surge current flows to earth. The over-voltage is limited and damage prevented.

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The electronic equipment.

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