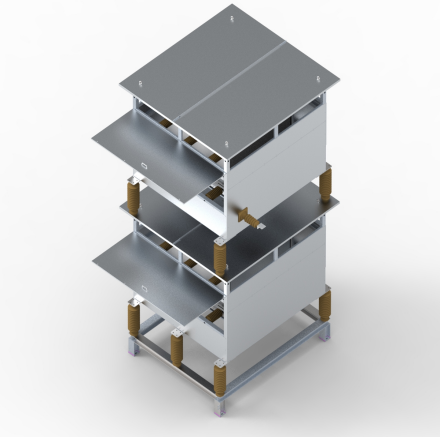
CSN® filter and damping resistors

DESCRIPTION



CSN® filter resistors (AC/DC filter resistors) and CSN® damping resistors are used in HVDC grids in conjunction with filter capacitors and inductors to attenuate or filter certain frequency components. This is necessary to reduce unwanted interference, such as harmonics or electromagnetic interference, which can be caused by the conversion of alternating current into direct current and vice versa.

The CSN® filter resistors provide a resistance path for these unwanted frequency components, allowing them to be dissipated and absorbed. Proper design and placement of the resistors can improve the performance and stability of the HVDC grid by keeping unwanted interference under control.

PRODUCT ADVANTAGES

- Excellent high-voltage resistance
- Low inductance
- high load capacity due to good convection conditions
- Proven design for outdoor or indoor operation
- high long-term stability

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