

INTRODUCING EN45545 COMPLIANT HDC INSERTS

- Compliance with safety regulations
- Reliable electrical connection



TE Connectivity (TE) 's new range of inserts for heavy duty connectors comply with the EN45545 European standard on flame retardancy for materials and products in railway rolling stock. The new inserts from TE meet R22 and R23 requirement set on level HL3. They have an operating temperature range that extends from -40 to 125 degrees Celsius. The modular inserts provide customers with a high level of flexibility when configuring railway connector systems. They can be configured to hold anywhere from 1 to 216 pins and enable signal, data and power to be transmitted via one single connector.

KEY BENEFITS

- Compliance with safety regulations
- Reliable electrical connection
- High flexibility and possibility of creating a customized interface
- Time-saving with easy assembly of the modular inserts

APPLICATIONS

- Rolling stock: Traction converters;
Down Lighting
Power distribution;
Inter-car jumpers

ELECTRICAL

- HDD: 10A 250V
- HEE: 16A 500V
- HEEE: 16A 400V and 16A 500V
- HMN: Modular system, various performance levels from 5A to 200A and 50V to 1000V

LEARN MORE

[EN45545 Compliant HDC Inserts Product Page](#)
[EN45545 Compliant HDC Inserts Product Flyer](#)
[EN45545 Compliant HDC Inserts Product List](#)

MECHANICAL

- Operating temperature range from -40°C to 125°C

MATERIALS

- Material approved according to R22 and R23 requirement set for hazard levels: HL1, HL2 and HL3, per EN45545, with Oxygen index per EN ISO 4589-2 / Smoke density per EN ISO 5659-2 / Toxicity per NF X 70-100-1/-2

STANDARDS & SPECIFICATIONS

- EN45545: Fire protection on railway vehicles - Railway applications Application Specification: 114-133107
- EN61984: Connectors - safety requirements and tests
- EN 50467: Electrical connectors - requirements and test - Railway applications
- IEC 60512: Connectors for electronic equipment - Test and measurements
- IEC 60664-1: Insulation coordination for equipment within low-voltage systems (Part 1)
- EN 61373: Rolling stock equipment - shock and vibration test - Railway applications