

SALTEK VLD – RELIABLE RAILWAY SYSTEM PROTECTION

SALTEK is the Czech leader in protecting modern technology. For over 30 years, we have safeguarded what matters most – your equipment, data, and infrastructure – with cutting-edge surge protection and voltage-limiting devices. We design and manufacture smart, reliable, and durable solutions that provide optimal protection for railway, industrial, energy, transport, and residential infrastructures.

Our products are certified and compliant with the most stringent international standards, ensuring quality and reliability. The excellence of our engineering and design has been recognised with the Red Dot Design Award. Innovative and responsible, SALTEK stands out as the leading industry player, notably recognised as Company of the Year 2024, and actively contributes to regional development through partnerships with universities and research institutions.

Drážďanská 561/85
400 07 Ústí nad Labem
Czech Republic
sales@saltek.cz
www.saltek.eu/en

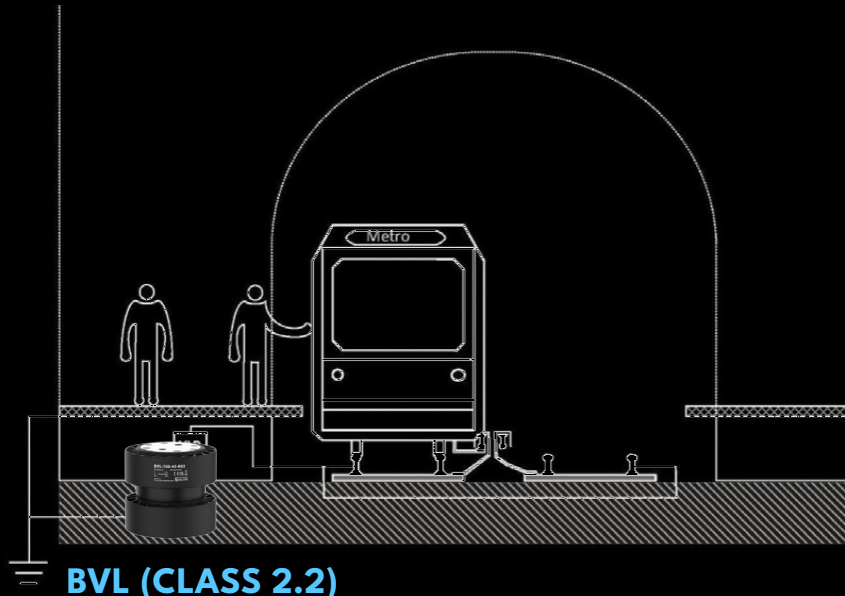


VOLTAGE LIMITING DEVICES

SAFE RAILWAYS

WHY VLD?

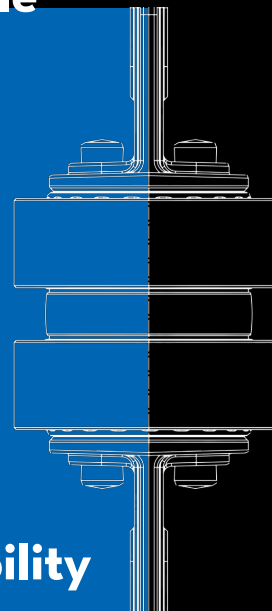
Voltage limiting devices (VLDs) protect people, animals, and railway infrastructure against dangerous touch voltages and transient overvoltages. During both normal operation and fault conditions, they automatically connect exposed conductive parts to the earthing system when the permissible voltage level is exceeded, while also eliminating the effects of lightning and short circuits.



BVL (CLASS 2.2)

Ensuring the safety of people and animals at stations, depots, and along railway lines.

High reliability with a wide range of compact, lightweight products complemented by advanced accessories.



PRODUCT

NORM COMPATIBILITIES

IEC 62848-2, EN 50526-2, EN 50122-1

SCG (CLASS 1)

Designed for fault conditions (e.g. overhead line breaks). Creates a permanent conductive connection with a return path, ensuring immediate power disconnection. Integrated surge arrester protects against lightning surges.

Robust, passive device with IP67 protection.



BVL (CLASS 2.2)

Used during normal operation. Limits touch voltage caused by return currents. A bidirectional, recoverable device with an integrated A2 surge arrester and thermal sensors for easy service inspection. Possible to combine with a monitoring system.



PVL (CLASS 4.1 & 4.2)

Intelligent, microprocessor-controlled system combining the features of VLD-O and VLD-F. Enables remote SCADA monitoring and predictive maintenance. Optimises load management and reduces stray current energy. Ideal for modern traction systems with regenerative braking.



VLD CATALOGUE

