

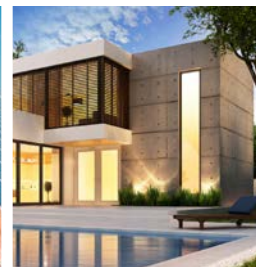
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1995-2020



Overvoltage controlled. ANYWHERE.

Company Profile

Surge Protective Devices



Who we are What we do

SALTEK® is a leading Czech based company specialising in the development and production of Surge Protective Devices. SALTEK® offers a complete range of SPDs (types 1, 2, 3 and its combinations) in areas of low-voltage power systems and installations, renewable energy, information technologies, measuring & regulation, telecommunications and Voltage Limiting Devices for railway systems.

SALTEK® products provide protection against atmospheric and technological overvoltage and ensure safe and trouble-free operation of technology, machinery and electrical appliances in industry, transport, telecommunications, data centres, office buildings as well as households.



Over 25 years of success in both the Czech Republic and abroad

- We have been on the market since 1995.
- Our products protect various technologies in a lot of countries in Europe, Asia and Africa.

Our own development = foundation of permanent and dynamic company development

- Our R&D department providing continuous innovation is the foundation of our further development.
- Our experienced R&D team utilises a testing laboratory with the latest equipment featuring unique devices and technologies that support fast and high-quality development process.
- State-of-the-art materials, construction procedures and measurement methods are a essential for us.

Flexibility and speed = our basic credo

- Flexible approach to the implementation of special customised solutions and products ODM/OEM all over the world.
- Fast delivery according to customers' requests.

Customers = power engine

- Customers are our everlasting inspiration. Hands-on experience linked to technical innovation gives us the opportunity to provide solutions for complex surge protection.
- High-class and fast technical support, regular training of specialists as well as extensive marketing and sales services are our standards.

Quality + international standards = our essentials

The safety, reliability and top quality of our products come first for us! Quality is our image. We are certified in compliance with international standards:

- EN ISO 9001 ■ EN ISO 14001 ■ OHSAS 18001

We are an active member of Czech and international standardization institutions - ÚNMZ, IEC and CENELEC, which define standards for the development of surge protection in the future.



Make a choice!

A wide range of surge protective devices

We have a solution for a lot of application areas like residential buildings, commercial buildings, factories, oil/gas pipelines, railway systems, antennas and aerial wirings, telecommunication systems, data centres, LED lighting/illumination systems and photovoltaic power plants.

Low Voltage power systems up to 1 000 V



Type 1 SPD - lightning current arresters

- controlled spark gap with follow current extinguishing capability up to 50 kA
- I_{imp} 50 kA
- U_p 2.5 kV
- combined, spark gap and MOV
- I_{imp} 25 kA / 100 kA
- $U_p \leq 1.5$ kV
- no follow current, zero leakage current
- full coordination with Type 2 SPD
- optional potential-free signalling contact
- pluggable module



Type 1 and 2 SPD - combined arresters B+C

- series combination of MOV and spark gap
- I_{imp} 25 kA / 100 kA
- $U_p \leq 1.5$ kV
- no follow current, zero leakage current
- MOV arresters
- I_{imp} 12.5 kA / 50 kA
- $U_p \leq 1.5$ kV
- optional potential-free signalling contact
- pluggable module



Type 2 SPD - surge arresters

- MOV surge arrester
- U_c 75 to 760 V AC
- I_n 20 kA / I_{max} 40 kA
- $U_p \leq 1.35$ kV
- optional potential-free signalling contact
- pluggable module



Type 3 SPD - surge protections

- combination of MOV and spark gap
- U_c 75 to 400 V AC
- U_{oc} 10 kV
- $U_p \leq 1.5$ kV
- available variants with RFI filter and with power supply disconnection
- optional potential-free signalling contact
- DIN rail 35 mm mounting



Type 3 SPD - surge protection modules

- modules for additional installation
- U_n 230 V AC
- I_n 3 kA
- U_{oc} up to 6 kV
- $U_p \leq 1.5$ kV
- acoustic or remote signalling



SPD for LED street lights

- Type 3 SPD - surge protection or Type 2+3 SPD - surge arrester
- exposure level C-low or C-high
- U_n 320 V AC
- I_n 3 kA or 5 kA
- I_n 5 A or 10 kA
- U_{oc} 6 kV or 10 kA
- $U_p \leq 1.5$ kV

Photovoltaic (PV) systems



SPD PV - lightning current arrester

- PV Type 1 and 2 SPD
- MOV lightning current arrester
- U_{CPV} 700 to 1 000 V DC
- I_{imp} 12.5 to 25 kA
- I_n 30 kA



SPD PV - surge arrester

- PV Type 2 SPD
- MOV surge arrester
- U_{CPV} 170 to 1 500 V DC
- I_n 15 to 20 kA
- I_{max} 40 kA
- connection U, Y

By choosing the right combination of protective devices, we can protect very large systems on the power side, i.e. single-phase or three-phase power supply systems TN-C, TN-S, TT, etc., as well as electronic security and fire alarm systems, I&C, data and communication lines and aerial systems.

Data, signal and telecommunication networks



SPDs in modular design

- with pluggable module and compact devices
- coarse, fine and combined protection devices
- U_n up to 230 V
- I_n up to 16 A
- I_n up to 10 kA
- I_{TOTAL} up to 20 kA
- variants for data, small voltages or combined protection



SPDs in terminal blocks

- screw or screwless terminals
- coarse, fine and combined protection devices
- U_n up to 110 V
- I_n 0.5 A
- I_n 5 kA
- I_{TOTAL} 10 kA



SPDs for Ethernet and phone lines

- SPDs with coarse and fine protection
- for LSA-PLUS strips
- for Ethernet Cat. 5, 5e, 6 or 6A lines
- for Ethernet with PoE
- for 19" RACK
- for phone and xDSL lines



SPDs for video and coaxial lines

- lightning current arresters and surge arresters
- for video circuits and RF coaxial lines
- advanced design for professional applications
- one-stop shop for TELCO systems protection

Isolating spark gaps for lightning equipotential bonding



Isolating Spark Gap ISG

- I_{imp} up to 100 kA
- I_w up to 500 V
- isolation resistance 100 M Ω
- class N and H devices
- various connection possibility



Isolating Spark Gap ISG Ex

- I_{imp} up to 100 kA
- I_w up to 500 V
- isolation resistance 100 M Ω
- class H devices
- various connection possibility
- certified for use in hazardous explosive areas

Voltage Limiting Devices (VLD) combined with SPD



VLD class 1 and surge arrester SPD - VLD-F

- rated current $I_r = 250$ A
- I_w 1000 A @ 0.1 s
- $U_{Tn} \leq 75, 250, 500$ V
- I_{imp-n} 100 kA
- $I_{imp-high}$ 100 kA
- I_{imp-hc} 100 kA
- $T_R < 100$ ns
- for electric railway system



VLD class 2.2 and surge arrester A2 - VLD-O+F

- rated current $I_r = 25, 50, 100$ A
- I_w up to 15 kA @ 0.05 s
- $U_{Tn} \leq 120$ V
- I_{imp-n} up to 50 kA
- $I_{imp-high}$ up to 75 kA
- I_{imp-hc} up to 35 kA
- $T_R < 1,5$ ms
- for electric railway system

Application areas

Solutions for complex surge protection

We combine technical innovation with expertise. Thanks to our customers' feedback and our own development, SALTEK® products provide solutions for complex surge protection for various applications in different areas.



Industry

Commercial buildings use very sophisticated systems prone to abnormalities caused by overvoltage in the power system and signal lines. SALTEK® products minimize shut-down times of production technologies and subsequent financial losses.

- Protection of 230/400 V power system
- Protection of power system up to 1 000 V
- Protection of access security and fire alarm systems
- Protection of signalling and communication lines



Buildings

Both residential and commercial buildings feature a great number of sensitive technologies and appliances. SALTEK® products considerably increase their reliability and, consequently, greatly improve the user comfort of such buildings.

- Protection of 230/400 V power system
- Protection of aerial systems
- Protection of access, security and fire alarm systems, CCTV, telecommunications lines, data networks, etc.
- Protection of technological facilities in buildings (heating, air conditioning, etc.)



Photovoltaic (PV) systems

PV systems must withstand weather conditions as they are located in highly exposed places. SALTEK® products ensure the best possible protection against temporary overvoltage to provide trouble-free operation throughout their working life. Protection of PV power plants/PV technologies for residential houses and for factories/Off grid PV technology.

- Protection of DC and AC side
- Protection of signalling lines



Telecommunications

Located in rather exposed places, receiving and transmitting systems must withstand harsh atmospheric conditions during their working life. SALTEK® products ensure the best possible protection of technologies against lightning strikes and induced overvoltage and thus they significantly increase operational reliability of technologies on transmission routes.

- Protection of 230/400 V power system and DC powering
- Protection of receivers, transmitters and electronic control systems
- Protection of data networks



Electric Railways

In the railway applications are the safety of the persons, prevent existence of an impermissible high touch voltage and limiting overvoltage in the system and its connected parts of the most important requirements.

- Protection against high touch voltage
- Protection of railway technological equipment



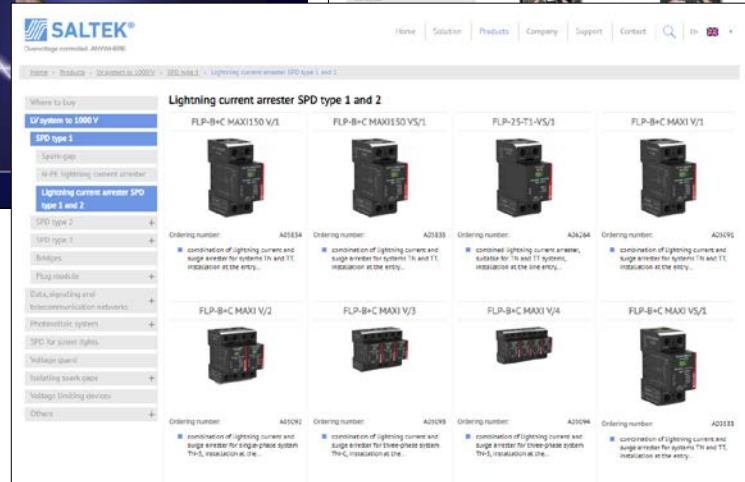
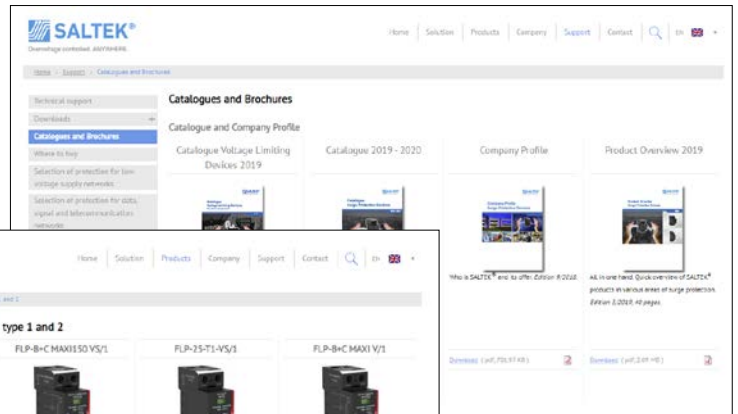
Oil and gas pipelines

Very large systems which are exposed to undesirable effects of lightning strikes, induction from parallel lines of MV, HV or stray current near railways. These events negatively affect the technologies which are necessary for their trouble-free operation. SALTEK® products ensure the best possible protection of such technologies and significantly increase their reliability.

- Protection of 230/400 V power system and system, up to 1 000 V
- Protection of access security and fire alarm systems, signalling and communication lines
- Protection of pipelines against induced voltage

Visit our website

For detailed information about SALTEK® products, technical support, catalogues and brochures etc., go to our website www.saltek.eu



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