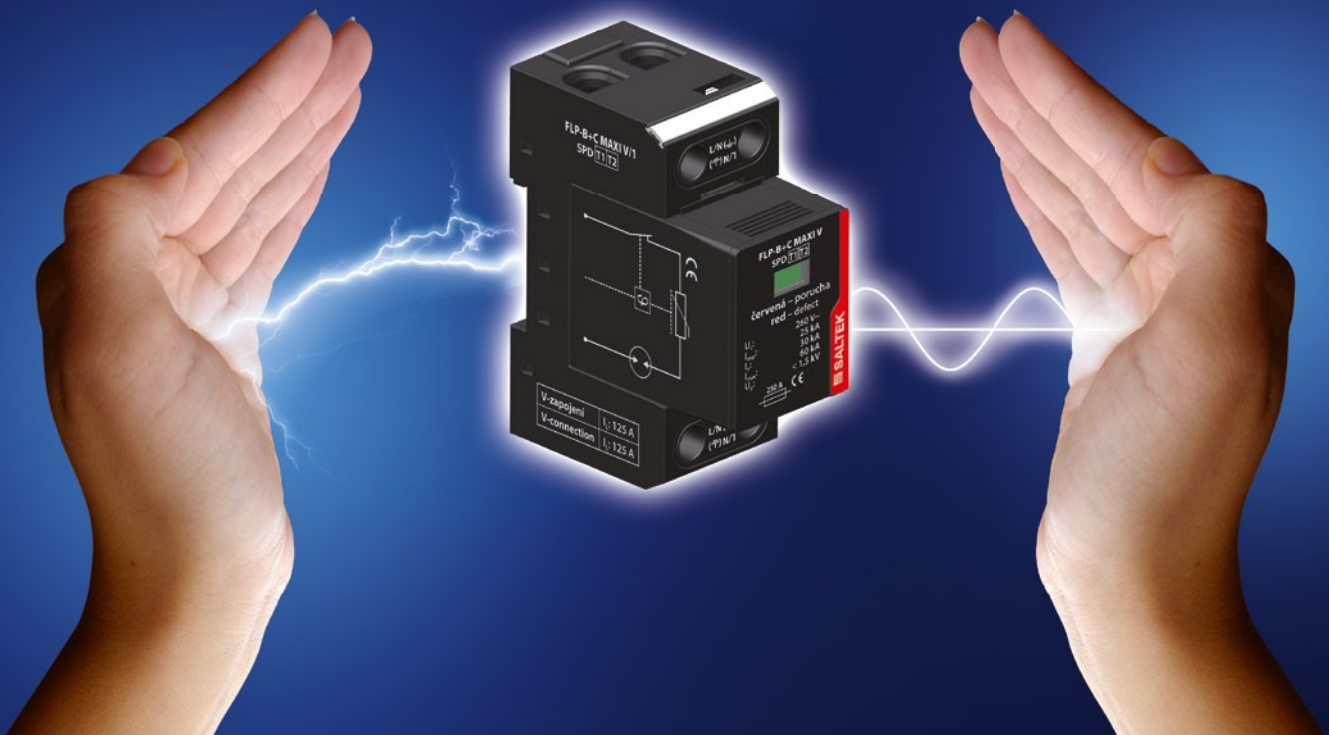


NEWS – spring 2017

Surge protective devices



The springtime is here and with it the new products from SALTEK®. This year we are focusing in particular the IP technologies and telecommunications. This special area experiences continuous growth and the equipment used is worth being protected by the highest level of protection from overvoltage.

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SPDs for Ethernet and phone lines

DL-1G-RJ45-PoE-AB DL-10G-RJ45-PoE-AB



The new SPDs of the DL series are available in two options which vary in their capability to cope with various transmission rates. The first one is intended for use in Ethernet 10G networks, the second one in 1G networks. Either of them meets the requirements on usage at the transition point between the LPZ 0 and LPZ 1 protection zones, capable of processing impulse currents I_{imp} to up to 2 kA (10/350 μ s). Therefore they are predestined for use as overvoltage protection of important technologies and data signals of up to 8.5 V DC transmitted from such technologies via Ethernet lines. The SPDs feature a very low U_p protection level compared to other competitive solutions, which reduces the risk of damage to data inputs of the connected technological equipment.

The DL-10G type of SPD is mainly applied in backbone data networks, data centres and wherever optical data transmission cannot be used. It refers e.g. to field applications (such as mobile transmission centres for military applications). The DL-1G SPD is suitable for more common applications such as outdoor camera systems using IP technology and having the PoE power supply, or the protection of communication lines between a server and microwave point-to-point communication systems where, if necessary, also the DL-1G-RJ45-POE-BOX special version of SPDs can be used. On standard basis, this SPD is mounted in a installation box with IP66 degree of protection, and, for this reason, it is suitable for direct use in outdoor environments.

- General purpose 2-stage SPD for Ethernet networks, combined with the protection of electric power transmitted via the same cable, the so called PoE (Power over Ethernet)
- SPD for the protection of Ethernet Cat. 6 lines with PoE, operated in the A or B operation mode, as an element to protect the lines against pulse-like overvoltages
- Connectors RJ45 for fast and simple connection
- Replaces the DL-1G-RJ45-POE and DL-1G-RJ45-5V products

More detailed information may be found in our on-line catalogue:
<http://www.saltek.eu/en/vyrobky/pro-poe>

DL-TLF-HF



DL-TLF-HF – a new version of a two-stage overvoltage protection is intended for protection of one pair of analogue and digital telecommunication line with maximum continuous operating voltage U_c of up to 114 V AC and 162 V DC, rated load current of 0.06 A and the upper limit of transmission frequency of 40 MHz, which makes it suitable as a protective element not only for older analogue phone lines, but also for commonly used digital ADSL and VDSL2 lines. These new technologies provide for fast data transmission via the existing phone lines, with transmission speed of up to 100 Mbits/s.

The DL-TLF-HF SPD must always be installed as close as possible to the protected equipment, e.g. to protect a modem (which may include the telephone, HDTV, IP telephone or high speed internet) in panel buildings (LPZ 1-3). A further possible application area is in the electronic security and fire alarm systems where the SPD may protect a telephone line for automatic sending of alarm messages connected directly to the PBX.

- Combination of coarse and fine protection
- Intended for the protection of one pair of analogue connection to a telecommunication system, incl. high speed data transmission equipment (e.g. VDSL2)
- With the RJ11 connectors for a simple connection of the protected line
- Full replacement for the DL-TLF SPD

More detailed information may be found in our on-line catalogue:
<http://www.saltek.eu/en/vyrobky/pro-telekomunikace>

Isolating spark gap

ISGO- ...EX



The product range for isolating spark gaps of class H, for use in areas subject to explosion hazards and designed for to be connected via screw/cable, was extended with voltage versions featuring the U_{WDC} of 50, 100 and 350 V DC. The range of isolating spark gaps of the SALTEK® brand, for use into standard but also the Ex-environment, does include currently 25 various types of products.

More detailed information may be found in our on-line catalogue:
<http://www.saltek.eu/en/vyrobky/oddelovaci-jiskriste>