

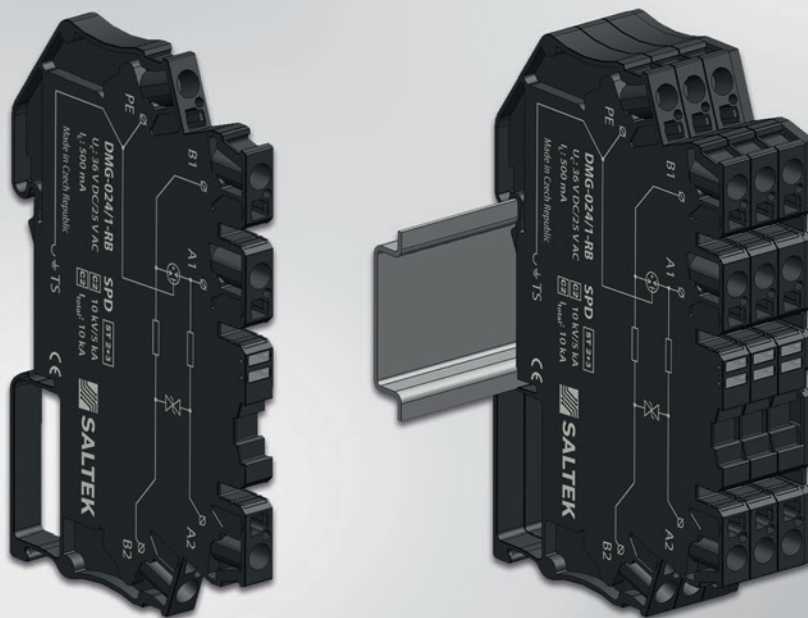
NEW



Overvoltage controlled. ANYWHERE.

# SPD in screwless terminal block

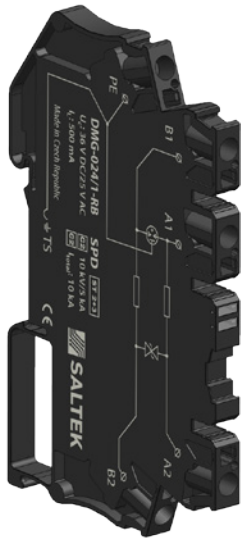
For data/signaling/telecommunication networks



- SPDs with coarse and fine protection
- For single and two-core lines
- Multiple core lines significantly save the space
- Screwless terminals for easy connection

# DATA LINES PROTECTION

## DM, DMG, DMJ, DMHF, DMLF, DS



- A full range of data SPDs in terminal blocks with screwless terminals
- Suitable for industrial applications, mainly for measuring and signaling lines of I&C, electronic security and fire alarm systems
- Using of SPDs for signaling and telecommunication networks increases lifetime and no-failure operation of connected devices
- Significant space saving for multiple data lines, width 6 mm only (without cover)
- Fast installation and easy wire connection
- Direct grounding via the DIN rail clip
- Side cover in the scope of delivery for each piece
- Robust construction
- Symmetrical design relative to position on DIN rail

### Basic technical parameters of DM

Parameter		Value
Nominal voltage	$U_n$	6 to 48 V DC
Nominal load current	$I_L$	up to 0.5 A
C2 nominal discharge current (8/20 $\mu$ s)	$I_n$	5 kA
Location of SPD		ST 2+3
Degree of protection		IP20
Range of operating temperatures		-40 °C ... +70 °C
Cross-section of connected solid conductors		0.08 ÷ 4 mm <sup>2</sup>
Cross-section of connected stranded conductors		0.08 ÷ 2.5 mm <sup>2</sup>
Mounting		DIN rail 35 mm
According to standard		EN 61643-21

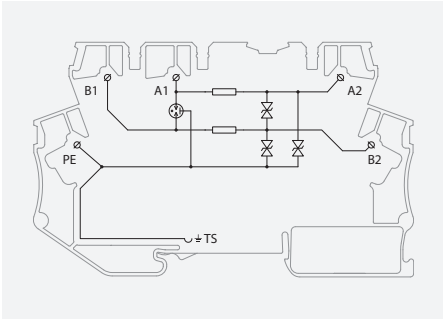
### Types of SPDs

Type	Nominal voltage $U_n$	Ordering number
DM-006/1-RB	6 V DC	8595090560579
DM-012/1-RB	12 V DC	8595090560586
DM-024/1-RB	24 V DC	8595090560593
DM-048/1-RB	48 V DC	8595090560609
DMG-006/1-RB	6 V DC	8595090560616
DMG-024/1-RB	24 V DC	8595090560623
DMG-048/1-RB	48 V DC	8595090560630
DMJ-012/2-RB	12 V DC	8595090560654
DMJ-024/2-RB	24 V DC	8595090560661
DMJ-048/2-RB	48 V DC	8595090560678
DMHF-006/1-RB	6 V DC	8595090560647
DMLF-024/1-RB	24 V DC	8595090560692
DS-B090-RB	70 V DC ( $U_0$ )	8595090560708

Complete technical data and all types of the offered SPDs you can find in online catalogue on <http://www.saltek.eu/en/catalogue-products> including Mounting instructions and EU Declaration of Conformity.

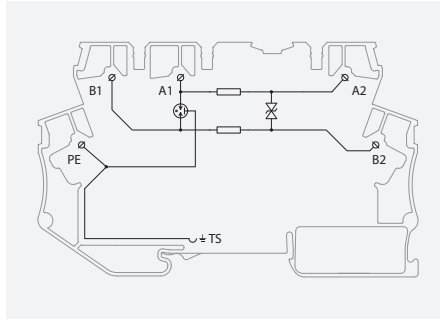
## Types and wiring overview

### DM-.../1-RB



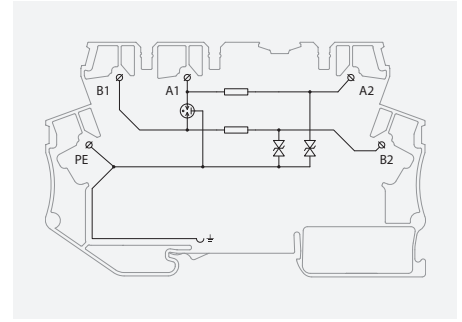
Two-core line with one pole connected to common ground. E.g. RS-485 bus.

### DMG-.../1-RB



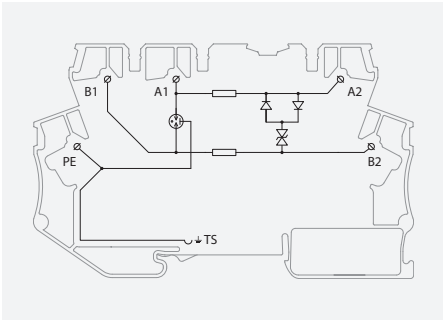
Floating two-core line. E.g. current loop 0(4) ÷ 20 mA, telephone line.

### DMJ-.../2-RB



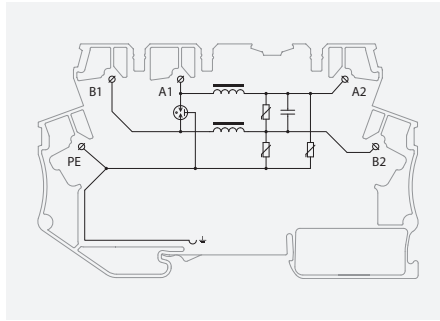
Two single-core lines with common ground. E.g. binary inputs and outputs.

### DMHF-.../1-RB



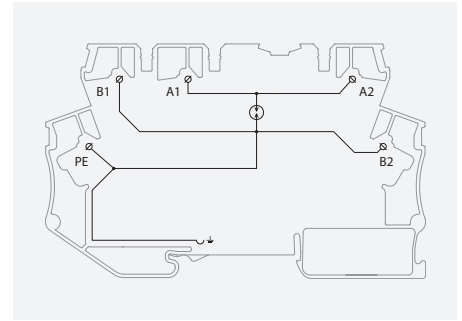
High-frequency floating two-core line. E.g. xDSL lines.

### DMLF-.../1-RB



Low-frequency two-core line. E.g. low-speed lines used in the areas with RFI.

### DS-B...-RB



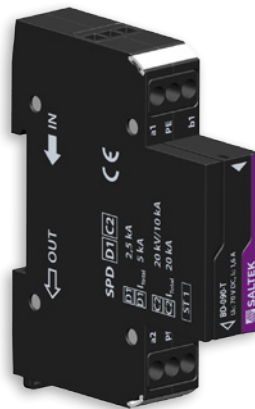
Single stage protection of two-core line. E.g. shielding protection.

(\*) The same variants of terminal blocks are offered also in version with screw terminals as D...-RS.

## Another designs of SPDs for data, signaling and telecommunication lines:



with pluggable module



compact devices



terminal blocks with screw terminals

For proper use recommendation of surge protection devices please contact our Sales and Technical support department.

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