**Surge Arrester / Surge Protective Device (SPD) - bus line**

Used to protect KNX components against transient overvoltage impulses (surges) on the bus line. The SPD shall be a DIN rail mounted modular device for easy installation within the distribution panel to protect DIN rail mounted KNX components.

The SPD shall offer both primary (bus line to earth) and secondary protection (bus line to line). The SPD shall have a LED health status indication test.

The SPD shall be certified to IEC / EN 61643:21 and KNX 9.1FV standards

Note: Suitable power SPDs must also be provided to prevent overvoltage damage to KNX components arising from the power supply line.

- **Nominal voltage**: 24 VDC
- **Current rating (signal)**: 3 A
- **Impulse discharge current $I_{imp}$ (Category D1 test to IEC / EN 61643-21)**
  - Per conductor / total: 2.5 kA / 5 kA (10/350 μs)
- **Nominal discharge current $I_n$ (per conductor)**: 5 kA (8/20 μs)
- **Maximum discharge current (per conductor / total)**: 10 kA / 20 kA (8/20 μs)

**Voltage Protection level @ C1 test to IEC / EN 61643-21**

- **C1 test**: 1 kV, 1.2/50 μs, 0.5 kA 8/20 μs
  - **Line to Earth conductors**: < 600 V
  - **Line to Line conductors**: < 85 V

**Connection**

- **Bus connection**: 2-fold (red/black) - 0.8mm² (solid)
- **Earth connection - 4 terminals**: 4mm² / 2.5mm² (solid / stranded)

**Dimensions (H x W x D)**: 90 x 36 x 58 mm (2TE)

**Manufacturer**: ABB

**Type**: SPD/S1.1 (OVR KNX)

**Material**: .... **Labour**: ....