



Applications

SPD is the range of devices for discharging induced transient overvoltages (Type 3 / Class III), in accordance with EN/IEC 61643-11. DIN rail plug-in format. Ability to discharge induced voltage surges (8/20 μ s). For very fine protection of sensitive equipment (1.2/50 μ s). Installation downstream of type 2 protection.

- Suitable as the final stage of protection in panels with Type 2 protection devices installed upstream. The residual voltage left downstream is less than for Type 1 or 2. They should be installed as close as possible to the equipment being protected.
- Discharge capacity with an 8/20 μ s waveform. I_{max}: 10 kA.
- Exclusive devices for TNS, TNC, TT, IT earthing systems.
- Exclusive devices which are compatible with Power Line Communication networks.
- Biconnect - two types of terminal: for rigid or flexible cable and for fork type comb busbar.
- Available with optional remote signalling.
- AC/DC distribution
- Power supplies
- Industrial automation
- Telecommunications
- Motor controls systems
- PLC applications
- Power transfer equipment
- HVAC applications
- AC drives
- UPS systems
- Security systems
- IT / Data centers
- Medical equipment
- Easy installation or retrofit
- Din-rail mountable
- Fail-safe /self-protected design
- Remote indicator (optional) with 3 pin NO/NC contact
- IP20 finger-safe design
- Visual indicator
- Small foot print

Surge Protective Device

Technical Information

Type	SPD
Technical Data	275 / 320 / 385 / 420V
Maximum continuous voltage (U) (L-N) C	275V
Maximum continuous voltage (U) (N-PE) C	Type 3
SPD to EN 61643-11	class III
SPD to IEC 61643-11	5kA
Nominal discharge current (8/20 μ s) (I) n	10kA
Maximum discharge current (8/20 μ s) (I) m a x	$\leq 1.0 / 1.1 / 1.3 / 1.5kV$
Voltage protection level (U) (L-N) p	$\leq 1.5kV$
Voltage protection level (U) (N-PE) p	$< 25ns$
Response time (t) (L-N) A	$< 100ns$
Response time (t) (N-PE) A	YES
Thermal Protection	Green (good) / White or Red (replace)
Operating State/Fault Indication	IP 20
Degree of protection	PA66,UL94 V-0
Insulating material / flammability class	-40°C~+80°C
Temperature range	13123 ft [4000m]
Altitude	35mm2 (Solid) / 25mm2 (Flexible)
Conductor Cross Section (max)	Optional
Remote Contacts (RC)	Pluggable
Format	DIN rail 35mm
For mounting on	indoor installation
Place of installation	18 36

Dimensions(mm)

