



TPK-I-15-xxx/3+0/(S) Power supply system: TNC

Power Surge Protector | Type 1+2 / Class I+II

Monobloc format

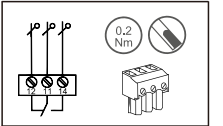
TPK-I-15-xxx is the range of devices for discharging induced transient overvoltages (Type 1+2 / Class I+II), in accordance with EN/IEC 61643-11. DIN rail Monobloc format. Ability to discharge lightning currents (10/350µs) and induced voltage surges (8/20 µs).

- Suitable as the first step of protection in incoming power supply panels and areas with greater exposure to the atmosphere, where installations are usually provided with an external lightning protection system.
- Discharges impulse currents with a (10/350 µs) waveform: 15 kA per phase.
- Discharge capacity with an (8/20 µs) waveform. Imax: 120 kA.
- Exclusive devices for TNC 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.

Application 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

Features/Benefits

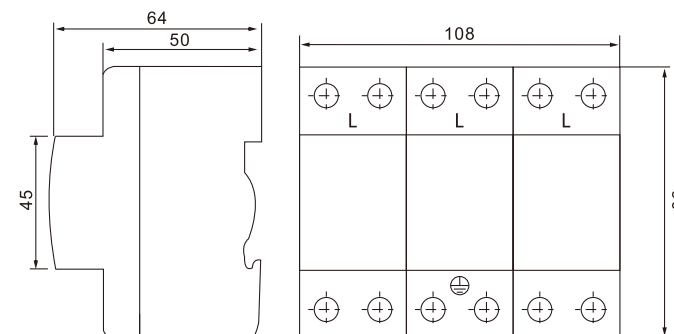
Easy installation or retrofit
Din-rail mountable
Fail-safe /self-protected design
Remote indicator (optional) with 3 pin NO/NC contact
IP20 finger-safe design
Visual indicator
Small foot print



Data sheet

| Type | TPK-I-15-xxx/3+0/(S) |
|--|----------------------------------|
| Technical Data | |
| Power supply system | TNC |
| Maximum continuous voltage (Uc) | 275 / 320 / 385 / 420V |
| SPD to EN 61643-11 , SPD to IEC 61643-11 | Type 1+2 , class I+II |
| Lightning impulse current (10/350µs) (Iimp) | 15kA |
| Nominal discharge current (8/20µs) (In) | 60kA |
| Maximum discharge current (8/20µs) (Imax) | 120kA |
| Voltage protection level (Up) | ≤ 2.0 / 2.2 / 2.5/ 2.5kV |
| Response time (tA) | < 25ns |
| Thermal Protection | YES |
| Operating State/Fault Indication | Red (replace) |
| Degree of protection | IP 20 |
| Insulating material / flammability class | PA66,UL94 V-0 |
| Temperature range | -40° C~+80° C |
| Altitude | 13123 ft [4000m] |
| Conductor Cross Section (max) | 35mm2 (Solid) / 25mm2 (Flexible) |
| Format | Monobloc |
| For mounting on | DIN rail 35mm |
| Place of installation | indoor installation |
| Remote Contacts (RC) | Optional |
| Type of remote signalling contact | changeover contact |
| Cross-sectional area for remote signalling terminals | max. 1.5 mm2 solid / flexible |

Dimensions



Internal configuration

