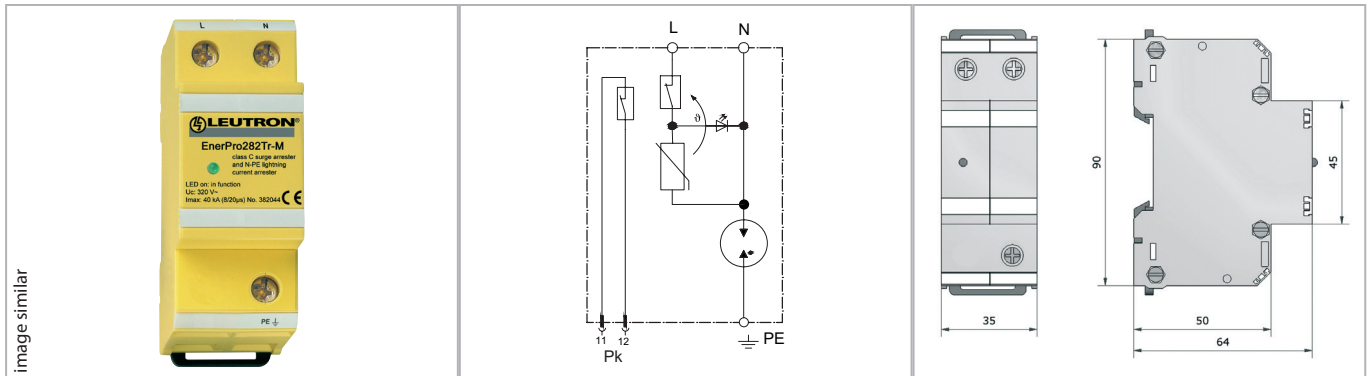


Datasheet

Surge protection of power supply

SPD type 2 for AC power supplies / EnerPro



- SPD based on NPE isolating spark gap technology for TT systems
- No blow-out vents, thus, not requiring any safety clearance to other installations
- Leakage current-free
- Optical function control display by LED
- With potential-free remote signalling contact (Pk)

| Technical Data | | EnerPro 282Tr-M/Pk |
|--|------|--|
| IEC category | | Type 2/class II |
| Nominal voltage AC | UN | 230 V~ |
| Max. continuous operating voltage DC | Uc | 275 V= |
| Response time 10 kV/μs | tA | < 5 ns |
| Protection level at 1kV/μs (L(N)-PE) | Up | < 1,4 kV |
| Protection level at In L(N)-PE | Up | < 1,4 kV |
| Nominal discharge current L-PE (8/20 μs) | In | 10x 15 kA |
| Nominal discharge current (8/20 μs) | In | 40 kA |
| Service life test current (10/700μs) | IL | 500x 100, 10x 500, 1x 40 A |
| Lightning impulse current (10/350 μs) N-PE | Iimp | 12 kA |
| Max. allowed fuse or back-up fuse | | 125 A gG |
| Operating temperature range | TU | -40 – + 80 °C |
| Max. conductor cross section | | stranded 35/fine stranded 25 mm ² |
| Max. connection torque for terminals | | 4,0 Nm |
| Enclosure material / colour | | polycarbonate (halogen-free) UL 94-V0 / yellow |
| Degree of protection (IEC EN 60529) | | IP 20 |
| Mounting on | | 35 mm DIN rail (DIN EN 60715) |
| Switching capacity FM | | 250 V/2 A |
| Max. conductor cross section Pk | | 1.5 mm ² |
| Power supply system | | 1 phase TT systems |

| Order Data | |
|-------------|--------------------|
| Product | EnerPro 282Tr-M/Pk |
| Article-No. | 38 20 45 |