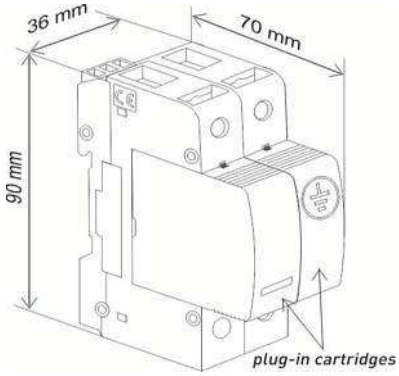
SURGE-TRAP® PLUGGABLE

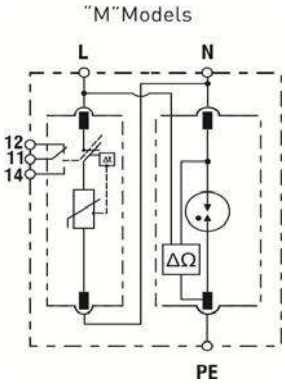
# STPT2-40K275V-2P-TE (-M)

Data Sheet






Dimensions




Internal configuration

| Catalog number<br>Reference number | | STPT2-40K275V-2P-TE<br>83020183 | STPT2-40K275V-2P-TE-M<br>83020184 |
|---|---|---|---|
| Remote indication | | No | Yes |
| Designation according to EN 61643-11 | | Type 2 | |
| Designation according to IEC 61643-1 | | Class II | |
| Nominal voltage AC 50-60 Hz | Un [V] | 230/- | |
| Maximum continuous operating voltage (L-N) | Uc (L-N) [V] | 275 | |
| Maximum continuous operating voltage (N-PE) | Uc (N-PE) [V] | 265 | |
| Maximum discharge current (8/20) (L-N) | Imax (L-N) [kA] | 40 | |
| Nominal discharge current (8/20) (L-N) | In (L-N) [kA] | 20 | |
| Voltage protection level (L-N) at In | Up (L-N) [kV] | ≤ 1,3 | |
| Voltage protection level (N-PE) at In | Up (N-PE) [kV] | ≤ 1,5 | |
| Maximum back-up fuse | A [gL] | 125 | |
| Short circuit withstand | Icc [kA] | 25 | |
| Response time (L-N) | tA [ns] | 25 | |
| Response time (N-PE) | tA [ns] | 100 | |
| Following current (N-PE) | Ifi [A] | 100 | |
| Visual end of life indication | | Yes | |
| Dynamic thermal disconnection (L-N) | | Yes | |
| Insulating material & flammability class | | PA66 CT1; V-0 | |
| Enclosure | | IP 20 | |

# STPT2-40K275V-2P-TE (-M)

Data Sheet

| SAFEground® | | | |
|---|---|---|---|
| **Catalog number** | | **STPT2-40K275V-2P-TE** | **STPT2-40K275V-2P-TE-M** |
| **Reference number** | | **83020183** | **83020184** |
| Product standarts | | EN 61557-3 ; EN 61010:1 | |
| Designation according to EN 61010-1 | | Yes | |
| Nominal voltage AC 50-60 Hz | [Vac] | 230 ±10% | |
| Maximum continuous operating voltage (N-PE) | [Vac] | 275 | |
| Minimum continuous operating voltage (N-PE) | [Vac] | 195 | |
| Apparent power | [VA] | 1,6 | |
| Power | [W] | 1,4 | |
| Accuracy | [Ω] | ±10%<->±2 | |
| Operating Temperature | [°C] | -30...+80 | |
| Range (green) | [Ω] | <25 | |
| Range (yellow) | [Ω] | 25...50 | |
| Range (red) | [Ω] | >50 | |
| Open earth indication | [Ω] | >500 | |
| System leakage capacitance (N-PE) | Ce [ µF] | ≤1 | |
| Flashing red-green indication | [V] | Overvoltage >275 | |
| Flashing yellow-green indication | [V] | Undervoltage <195 | |
| Flashing red-yellow indication | [VE] | High voltage ground >30 | |
| Flashing red indication | | Open earth | |
| Flashing yellow indication | | Bad connected | |
| Flashing red/green indication | | Permanent overvoltage >275 V | |
| Flashing green/yellow indication | | Permanent undervoltage <195 V | |
| Flashing yellow/red indication | | High voltage (N-PE) >30 V | |