

Surge Protection Devices

Standards and approvals

All Surge Protection Devices fully comply with the requirements of
BS EN 61643-11 2012
EN 61643-11 2012

TECHNICAL SPECIFICATION

ELECTRICAL

EN TYPE
T2

NOMINAL VOLTAGE (UN)
240/415 V AC (TN-S)
240/415 V AC (TT)

RATED LOAD CURRENT (IL)
80A

NOMINAL DISCHARGE CURRENT (8/20) μ S
20 kA

MAX DISCHARGE SURGE CURRENT (8/20) μ S
40 kA

MAXIMUM CONTINUOUS OPERATING VOLTAGE
UC (L-N)
275 V AC

MAXIMUM CONTINUOUS OPERATING VOLTAGE
UC (N-PE)
260 V AC

VOLTAGE PROTECTION LEVEL UP (L-N)
 ≤ 1.35 kV

VOLTAGE PROTECTION LEVEL UP (N-PE)
 ≤ 1.5 kV

MAXIMUM BACK UP FUSE FOR DOMESTIC
INSTALLATION
125 A

SURGE PROTECTION FAULT MESSAGE
Optical

PHYSICAL

IP RATING
IP20

CALIBRATION TEMPERATURE
 $+30^{\circ}\text{C}$

IP RATING
Front face IP4X, screw IP2X

AMBIENT OPERATING TEMPERATURE
 -40°C to $+80^{\circ}\text{C}$

TIGHTENING TORQUE
3Nm

MAX INSTALLATION ALTITUDE
2000 metres



Description

Surge Protection Devices (SPDs) provide modular protection for single phase domestic installations. The device consists of a base unit and two surge cartridges, one each for Line and Neutral circuits.

When a surge is detected the indicator on the front of the cartridge which operates on overvoltage will change to Red. This indicates that the cartridge has prevented damage to the power system and will need replacing.

Replacing the Line and / or Neutral Cartridges

Replacement Line and Neutral cartridges are easy to install thanks to keyed locator pins which make it impossible to position incorrectly.

Features

- Meets BS EN and IEE Wiring Regulation requirements
- Tested and approved for use in the Sentry Consumer unit system
- Provides overvoltage (surge) protection
- Two module device
- Visual alert indicates when a cartridge operates on overvoltage

Dimensions (mm)

