

Part number: **SPDCUKITT1**
Description: **T1,T2 & T3 SPD**



T1, T2 & T3 combined Surge Protection Device (SPD) supplied complete with 63A B Curve MCB and 16mm² connecting cables.

Type 1 SPDs shall be installed as close as possible to the origin of the electrical installation (main distribution board) 534.4.1.1

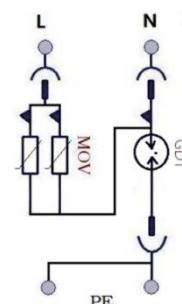
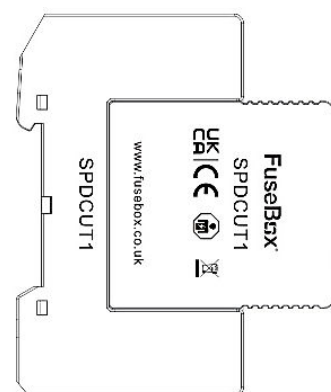
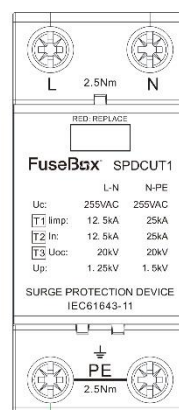
This device must be installed and tested by a qualified electrician in accordance with the current IET Wiring Regulations BS7671.

CAUTION

WHEN CONDUCTING INSULATION RESISTANCE TESTING WITH SPD FITTED IT IS RECOMMENDED EITHER THE **EARTH CONNECTION OR THE PLUG IN CARTRIDGE IS REMOVED.**

IF YOU DO NOT WISH TO REMOVE THE CARTRIDGE OR EARTH CONNECTION, THEN TESTING MUST BE AT A **MAXIMUM OF 250V DC.**

Before powering up the installation check all connections are TORQUED 2.5Nm. Loose connections cause fires!

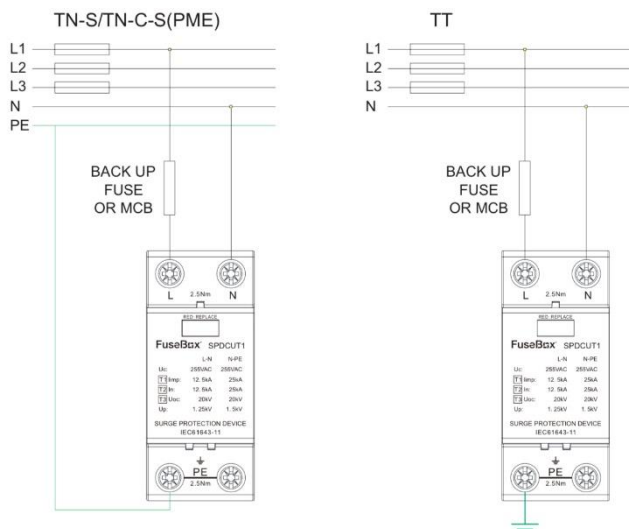


| TECHNICAL (TABLE A) | |
|---------------------------------|---|
| PART NUMBER | SPDCUKITT1 |
| BARCODE | 5060523524754 |
| DESCRIPTION | SURGE PROTECTION DEVICE T1 T2 + T3 (1+ N-PE) 36mm Includes 63A B TYPE MCB and cables (16mm ²) |
| WIDTH | 36mm (2 module) |
| STANDARD | IEC/EN 61643-11 |
| FLAG INDICATION | GREEN: GOOD RED: REPLACE |
| TECHNOLOGY | MOV (METAL OXIDE VARISTOR) L -PE /GDT (SPARK GAP) N - PE |
| VOLTAGE (Un) | 230V~ 50/60Hz |
| SYSTEM | TN-C-S, TN-S, TT |
| TERMINAL CAPACITY (max.) | 6mm ² - 35mm ² |
| RECOMMENDED TORQUE | 2.5Nm |
| DEGREE OF PROTECTION | IP20 |
| MOUNTING | 35mm DIN RAIL (to EN 60715) |
| MAXIMUM OPERATING VOLTAGE (Uc) | 255V |
| RESPONSE TIME (ta) | ≤100ns |
| MAXIMUM BACK UP FUSE | 160A fuse gG |
| RECOMMENDED BACKUP MCB | 63A |
| SHORT CIRCUIT WITHSTAND (ISccR) | 50kA |

| TECHNICAL (TABLE B) | | |
|---|-------------------------------|----------------------|
| Lighting impulse current (10/350μs) (L + N-PE) (Itotal) | 25kA | |
| Specific energy (L + N-PE) (W/R) | 156.25KJ/ohms | |
| | L-N MOV (Varistors) | N-PE GDT (Spark gap) |
| Max. continuous operating voltage (AC) (Uc) | 255V (50/60Hz) | 255V (50/60Hz) |
| Lighting impulse current (10/350μs) L-N / N-PE (Iimp) | 12.5KA | 25KA |
| Specific energy L-N /N-PE (W/R) | 39.06KJ/ohms | 156.25KJ/ohms |
| Nominal discharge current (8/20μs) L-N /N-PE (In) | 12.5KA | 25KA |
| Voltage protection level L-N /N-PE (Up) | <1.25KV | <1.5KV |
| Temporary overvoltage (TOV) L-N (UT) | 440V/12 min-- withstand | |
| Temporary overvoltage (TOV) L-N (UT) | 1200V/200ms - withstand | |
| Voltage protection level L-PE (Up) | 2.0kV | |
| Operating temperature range | -40 °C +80 °C | |
| Material (housing) | Thermoplastic UL94 V0 (Black) | |
| Weight (Kg) | 0.043 | |

After installation and testing of this product it is essential that the INSTRUCTION LEAFLET is available for reference.

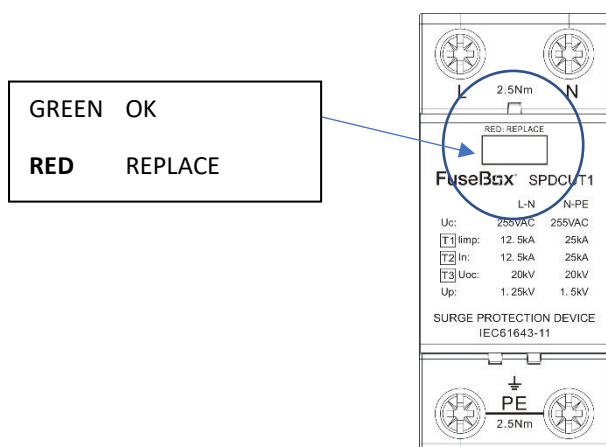
1 SYSTEM CONNECTION DIAGRAMS



Before powering up the installation check all connections are TORQUED to 2.5Nm. Loose connections cause fires!

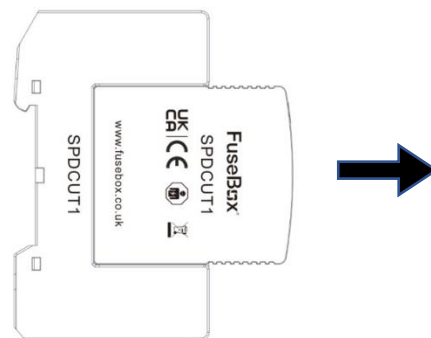
2 FLAG INDICATOR STATUS

- Please ensure the SPD flag indicator status is checked regularly.
- Should the indicator change to RED the module should be replaced ASAP to continue to provide surge protection.
- The SPD is in parallel to the supply so in no way affects the power to the final circuits if activated (RED).

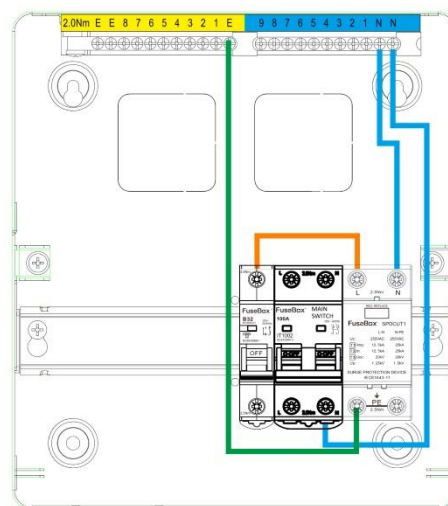


3 SPD MODULE REPLACEMENT

- Before changing the SPD cartridge switch OFF supply.
- The 36mm module can be removed as shown below.
- Pull cartridge out of the holder firmly.
- When refitting module ensure it is pushed home firmly and is keyed in the slots on the base.
- Once changed switch power to ON.



4 INSTALLATION IN A CONSUMER UNIT



TAIL CLAMP (ACCF) CANNOT BE USED WHEN SPDCKITT1 IS INSTALLED within a FuseBox consumer unit, unless an additional mounting hole is drilled by the installer for the clamp to be fixed.

5 ENVIRONMENT

WASTE ELECTRICAL PRODUCTS SHOULD NOT BE DISPOSED OF IN HOUSEHOLD WASTE. CONTACT YOUR RETAILER OR LOCAL AUTHORITY FOR RECYCLING INFORMATION.

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