

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

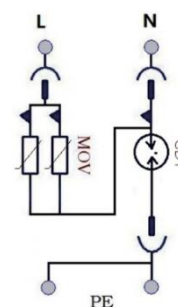
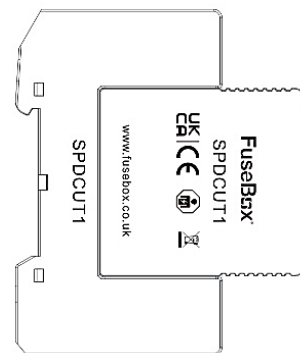
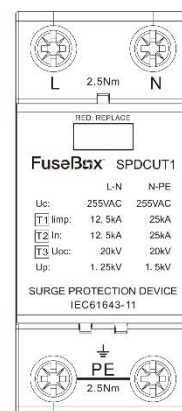
This device must be installed and tested by a qualified electrician in accordance with the current IET Wiring Regulations BS7671.

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)

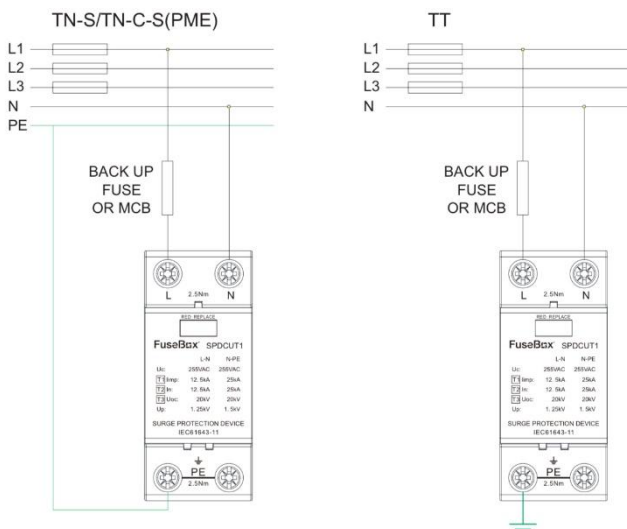
PART NUMBER	SPDCUKITT1
BARCODE	5060523524754
DESCRIPTION	SURGE PROTECTION DEVICE T1 T2 + T3 (1+ N-PE) 36mm Includes 63A B TYPE MCB and cables (16mm ²)
WIDTH	36mm (2 module)
STANDARD	IEC/EN 61643-11
FLAG INDICATION	GREEN: GOOD RED: REPLACE
TECHNOLOGY	MOV (METAL OXIDE VARISTOR) L -PE /GDT (SPARK GAP) N - 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.

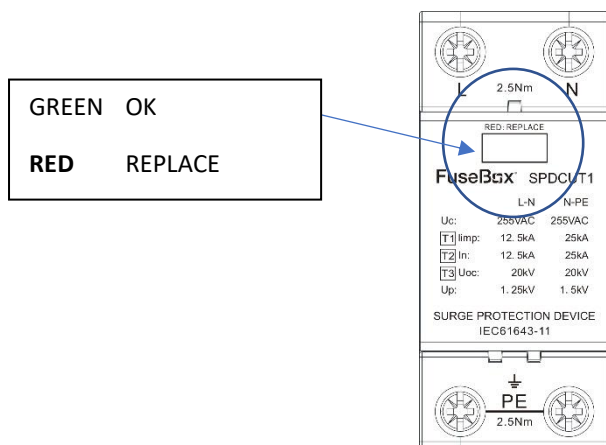
1 SYSTEM CONNECTION DIAGRAMS



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

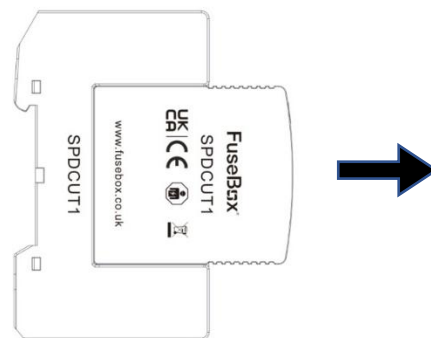
2 FLAG INDICATOR STATUS

- 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).

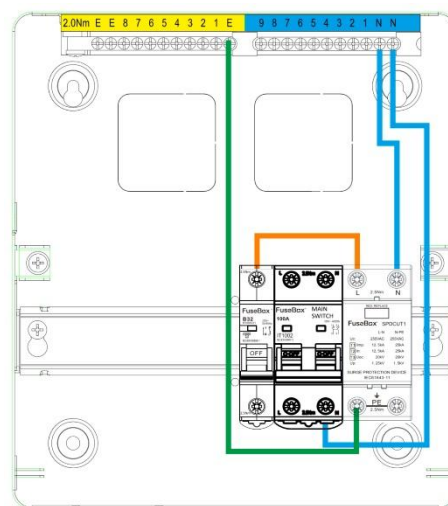


3 SPD MODULE REPLACEMENT

- 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 SPDOUT1 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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