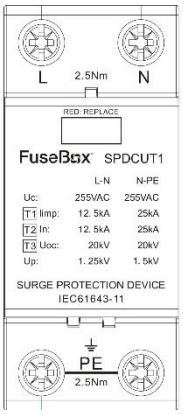
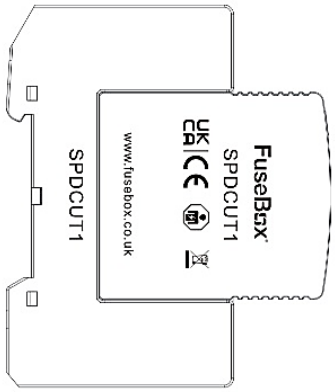
Part number: **SPDCUKITT1**

Description: T1,T2 & T3 SPD





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

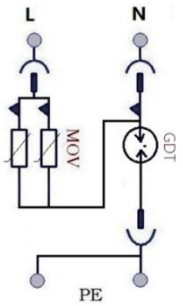
Type 1 SPDs shall be installed as close as possible to the origin of the electrical installation (main distribution board) 534.4.1.1
This device must be installed and tested by a qualified electrician in accordance with the current IET Wiring Regulations BS7671.

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 (16mm²)
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.)	6mm² - 35mm²
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 **(limp)**	*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.

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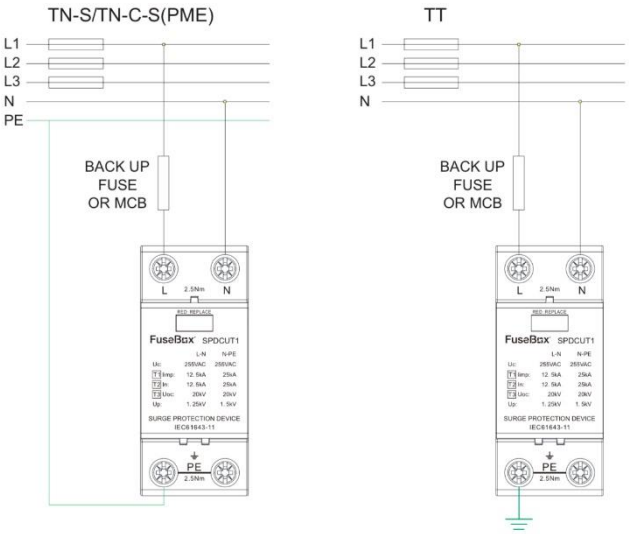
1 SYSTEM CONNECTION DIAGRAMS

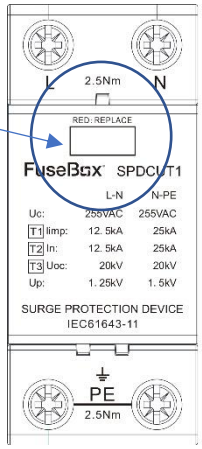


Before powering up the installation check all connections are TORQUED to 2.5Nm. Loose connections cause fires!

2 FLAG INDICATOR STATUS

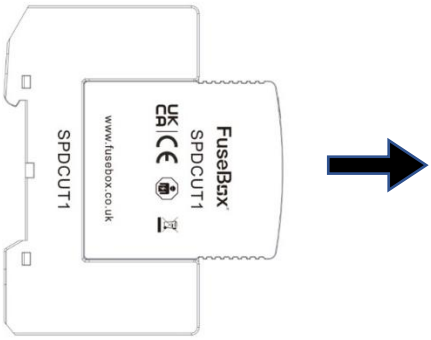
- Please ensure the SPD flag indicator status is checked regularly.
- Should the indicator change to RED the module should be replaced ASAP to continue to provide surge protection.
- The SPD is in parallel to the supply so in no way affects the power to the final circuits if activated (RED).

GREEN	OK
RED	REPLACE

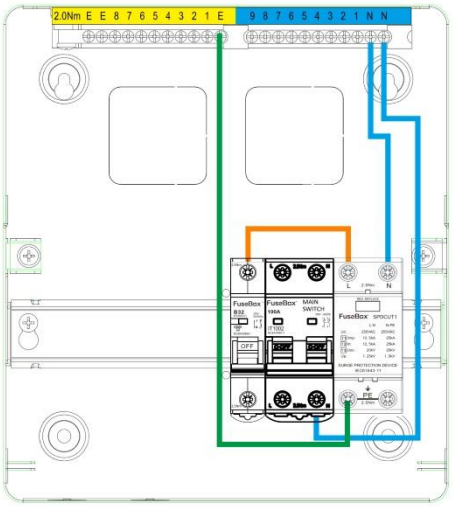


3 SPD MODULE REPLACEMENT

- 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 SPDCUKITT1 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.

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

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