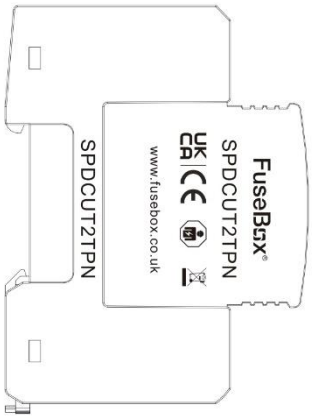
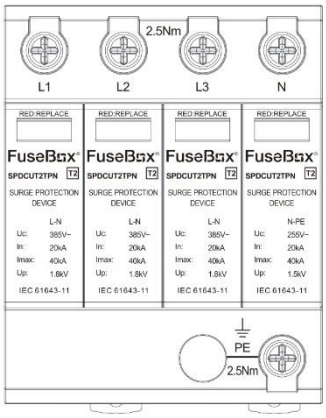
FuseBox®

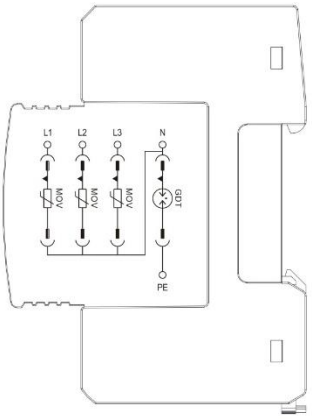
Part Number: **SPDCUKITT2TPN**
Description: T2 SPD 3P+NPE
Document: Jan2023

3 Phase (3P+NPE) T2 Surge Protection Device (SPD) supplied complete with 32A B Curve triple pole MCB and 6mm² connecting cables.

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 CARTRIDGES ARE REMOVED.**

IF YOU DO NOT WISH TO REMOVE THE CARTRIDGES 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	**SPDCUKITT2TPN**
BARCODE	5060523525096
DESCRIPTION	SURGE PROTECTION DEVICE T2 Includes 32A TP B TYPE MCB and cables (6mm²)
WIDTH	72mm (4 module)
STANDARD	IEC/EN 61643-11
FLAG INDICATION	GREEN: GOOD RED: REPLACE
TECHNOLOGY	MOV (METAL OXIDE VARISTOR) L -PE /GDT (GAS DISCHARGE TUBE) N - PE
Nominal VOLTAGE (Un)	400V~ 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)	385V
RESPONSE TIME (tA)	≤100Ns
MAXIMUM BACK UP FUSE (F1)	125A fuse gG
RECOMMENDED BACKUP MCB (F2)	32A
SHORT CIRCUIT WITHSTAND (ISccR)	50kA

TECHNICAL (TABLE B)		
Energy coordination with terminal equipment (≤10m)	Type 2 + Type 3	
Type	3P+NPE	
	L-N MOV *(Varistors)*	***N-PE GDT*** *(Spark gap)*
Max. continuous operating voltage (AC) (Uc)	*385V (50/60Hz)*	*255V (50/60Hz)*
Nominal discharge current (8/20µS) L-N /N-PE **(In)**	*20KA*	*20KA*
Maximum Discharge Current (8/20µS) L-N/N-PE(Imax)	*40KA*	*40KA*
Voltage protection level L-N /N-PE **(Up)**	*<1.8kV*	*<1.5kV*
Temporary overvoltage (TOV) L-N **(UT)**	**440V**/12 min-- withstand	
Temporary overvoltage (TOV) L-N **(UT)**	**1200V**/200ms - withstand	
Operating temperature range	-40 °C +80 °C	
Material (housing)	Thermoplastic UL94 V0	
Weight (Kg)	0.4Kg	

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

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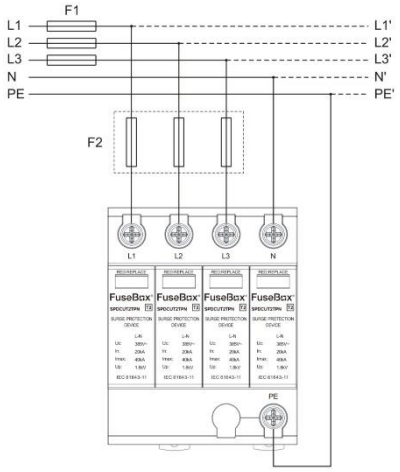
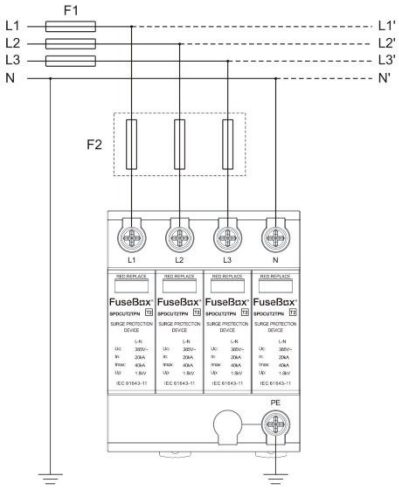
1 SYSTEM CONNECTION DIAGRAMS

TN-C-S



TT



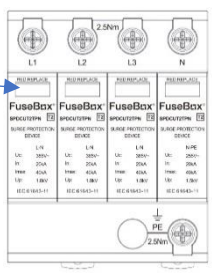
2 TORQUE SETTING

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

3 FLAG INDICATOR STATUS

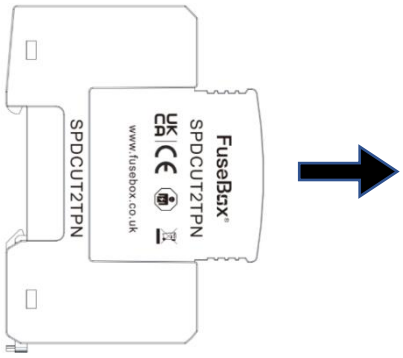
- Please ensure the SPD flag indicator status is checked regularly.
- Should the indicator change to RED the module should be replaced ASAP to continue to provide surge protection.
- The SPD is in parallel to the supply so in no way affects the power to the final circuits if activated (RED).

FLAG INDICATOR
GREEN GOOD
RED REPLACE

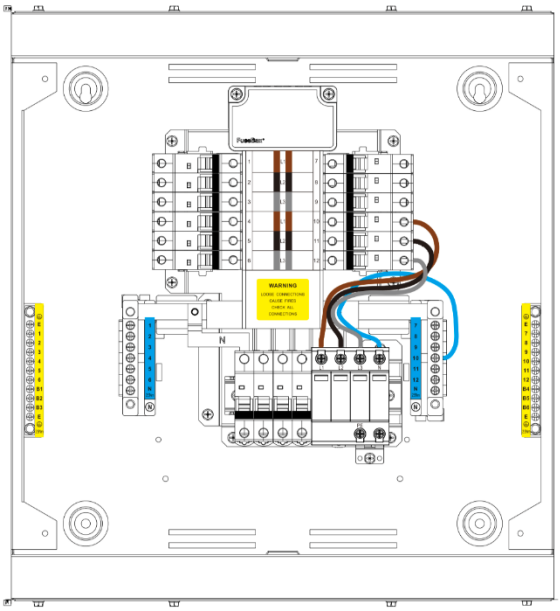


4 SPD MODULE REPLACEMENT

- Before changing the SPD cartridges switch OFF supply.
- The 18mm modules 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. Neutral cartridge is keyed differently.
- Once changed switch power to ON.



5 INSTALLATION INTO A TPN DISTRIBUTION BOARD



6 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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