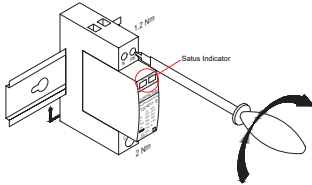


### Introduction

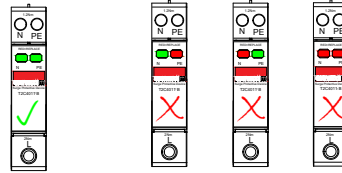
**DO NOT USE POWER TOOL SCREWDRIVERS ON ELECTRICAL CONNECTIONS**



**Indicator:**

Green indicates normal state.

Red indicates failure and must be replaced



### T2C4011-KIT - Surge 40kA 1+1 Protection Retro Fit Kit

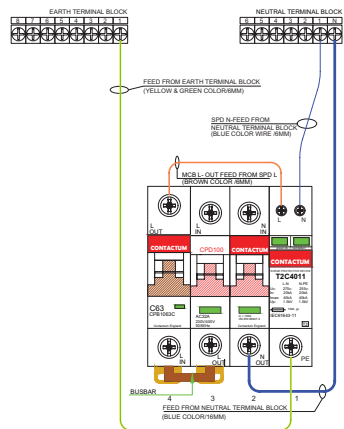
#### Product Specifications

Imax 8/20 $\mu$ s	40kA
In 8/20 $\mu$ s	20kA
Up	1.5kV
Uc	L-N 275V; N-PE 255V
Isc cr	25kA
Response time	<=25ns
Type	2
Uo	230V
Frequency	50/60Hz

OCPD1	100A Max
Protection degree	IP20
Earthing system	TT/TN
Temperature rating	-5 to 40 °C
Tightening torque	L: 1.2, N: 1.2, PE: 2 Nm
Terminal capacity	L+N: 2.5-16mm <sup>2</sup> , PE:4-25mm <sup>2</sup>
MCB	63A 10kA Type C
Standard	BS EN 61643-11

#### Installation Instructions

- Isolate power supply to consumer unit before removing the cover.
- Install SPD to the right of the Isolator.
- Install the MCB to the left of the Isolator.
- Connect the 6mm live cable from the output (top) of the MCB to the L terminal of the SPD.
- Connect the 6mm neutral cable from the neutral terminal bar (position number 1) to the N terminal of the SPD.
- Connect the 6mm earth cable from the earth terminal bar (position number 1) to the PE terminal of the SPD.
- Connect the MCB to the Isolator with the 2 way insulated fork busbar.
- Replace the consumer unit cover.
- Reinstate power supply and turn on the MCB.



### T2C4011-BKIT - T2 40kA 1+1 Busbar Mounted SPD Kit

#### Product Specifications

Imax 8/20 μs	40kA
In 8/20 μs	20kA
Up	1.5kV
Uc	L-N 275V; N-PE 255V
Iscrr	25kA
Response time	<=25ns
Type	2
Uo	230V
Frequency	50/60Hz

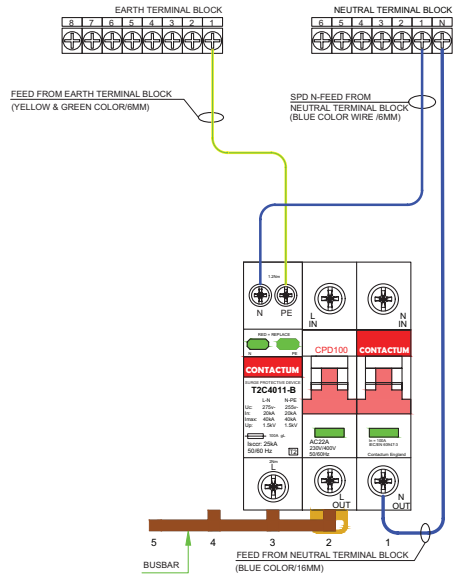
OCPD1	100A Max
Protection degree	IP20
Earthing system	TT/TN
Temperature rating	-5 to 40 °C
Tightening torque	L: 2, N: 1.2, PE: 1.2 Nm
Terminal capacity	N&PE: 2.5-16mm <sup>2</sup> , L: 4-25mm <sup>2</sup>
Standard	BS EN 61643-11

#### Installation Instructions

This direct to busbar device is intended for installation within Contactum Defender 1 & Defender 2 single phase consumer units installed into domestic household premises.

The upstream overcurrent protective device (OCPD1) associated with the installation must be rated at or below 100A. In most domestic or similar installations, the supply cut-out fuse (BS88) is rated at 100A. Under these conditions, an additional upstream overcurrent protective device (OCPD2) specific to protecting this SPD is not required.

This device is to be mounted to the din rail of the consumer unit and connected directly to the phase busbar in position 1 LHS of the main 100A DP isolator. It is NOT suitable for connection to the load side of an RCD.



#### Beama guidance

Use of the Distribution Network Operator (DNO) fuse for short-circuit protection of the surge protective device (SPD)

These instructions are intended for use by qualified electricians. This unit must be installed by a qualified registered electrician in accordance with the current edition of the IET Regulations for Electrical Installations (BS7671 Requirements for Electrical Installations).