

Single Phase
(Direct Connect)



Three Phase
(Two Modules)



DEFENDER

Type 2 Compact SPDs

Compact, high-performance surge protection solutions for both single-phase and three-phase installations.

Designed to save space, reduce installation time, and deliver reliable protection against transient overvoltages.

Features

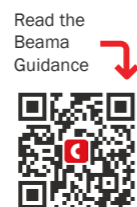
Compact Single Phase Direct Connect Surge Protection Device



Save Space on Your Busbar

Recent updates to industry guidance, including BEAMA recommendations and manufacturer instructions, have driven the evolution of SPD design for domestic applications.

Under defined conditions, a dedicated Miniature Circuit Breaker (MCB) is no longer required, as protection can be provided by the Distribution Network Operator (DNO) fuse—freeing up valuable space on your busbar.



+ Space-Saving Design

At just 18mm wide, this compact SPD frees up a valuable module space within the consumer unit—giving installers the flexibility to use a smaller enclosure or utilise the extra way for additional circuits.

+ Reliable Protection

Rated at 100A, eliminating the need for an additional MCB within the consumer unit while ensuring dependable surge protection.

+ Faster Installation

Supplied as a complete kit with pre-configured neutral and earth leads, this SPD mounts directly onto the busbar—reducing wiring, components, and installation time.

+ Easy Maintenance

Integrated status indicators provide a clear visual check, showing whether the unit is operational or requires replacement.

+ Proven & Compliant

Fully compliant with BS 7671 and IEC 61643-11 standards, offering confidence in performance and safety.



Product Details

Item Code

Product: T2C4011-BKIT
Product Code: Surge 40kA 1+1 Type 2 Compact SPD Kit



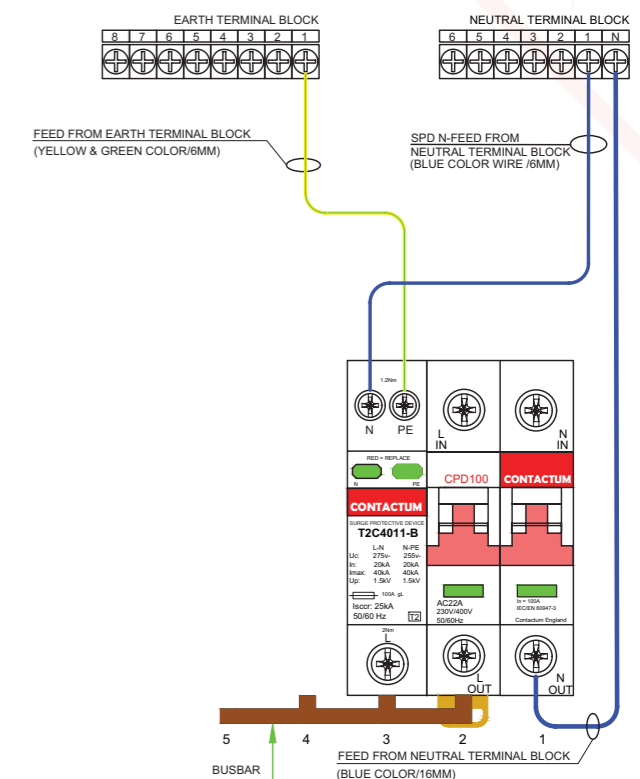
Product Specifications

I _{max} 8/20 μs	40kA
I _n 8/20 μs	20kA
U _p	1.5kV
U _c	L-N 275V; N-PE 255V
I _{sc} r	25kA
Response time	≤25ns
Type	2
U _o	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 ² , L: 4-25mm ²
Standard	BS EN 61643-11



Download the full Wiring & Installation Instructions here

Wiring Diagramme



Features

Compact Three Phase Two Module Surge Protection Device



**More Space.
More Flexibility.
Same Protection.**

A compact design that works harder for your installation. This three-phase SPD maximises available space, giving you greater flexibility in board configuration—without sacrificing the protection you expect.

+ Compact Size

Reduces SPD width from 4 modules to just 2—allowing for installation in a more compact enclosure.

+ Greater Design Flexibility

Ideal for space-constrained installations, allowing installers to optimise board layouts without compromising on protection.

+ Reliable Protection

Delivers the same reliable Type 2 surge protection expected from traditional 4-module devices.

+ Faster Installation

Fewer modules and a compact footprint make handling and installation quicker and simpler.

+ Easy Maintenance

Integrated status indicators provide a clear visual check, showing whether the unit is operational or requires replacement.

+ Proven & Compliant

Fully compliant with BS 7671 and IEC 61643-11 standards, offering confidence in performance and safety.

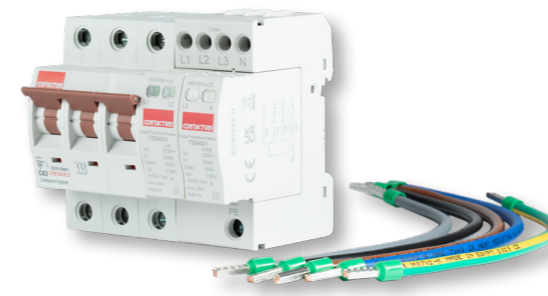


Product Details

Item Code

Product:
T2S4031KIT

Product Code:
T2 40kA Compact Surge Arrestor Kit



Product Specifications

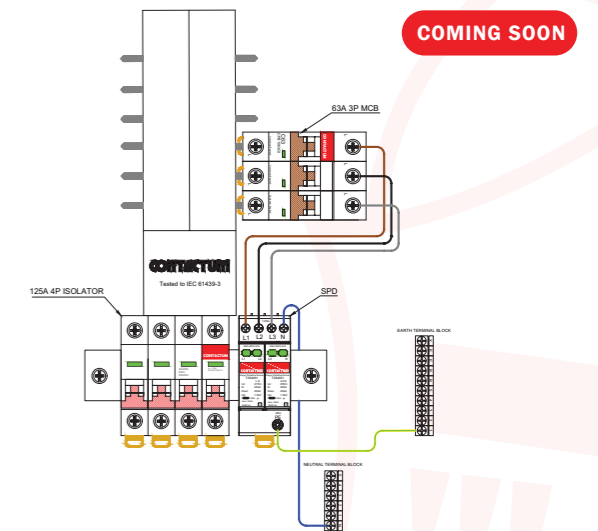
Imax 8/20 μs	40kA
In 8/20 μs	20kA
Up	1.5kV
Uc	L-N 275V; N-PE 255V
Iscrr	25kA
Response time	<=25ns
Type	2
Uo	230V
Frequency	50/60Hz
OCPD1	100A Max
Protection degree	IP20
Earthing system	TT/TN
Temperature rating	-5 to 40 °C
Tightening torque	L1, L2, L3, N: 1.2 Nm PE: 2 Nm
Terminal capacity	L1, L2, L3, N: 2.5-16mm PE: 4-25mm
MCB	63A 10kA Type C TP
Standard	BS EN 61643-11



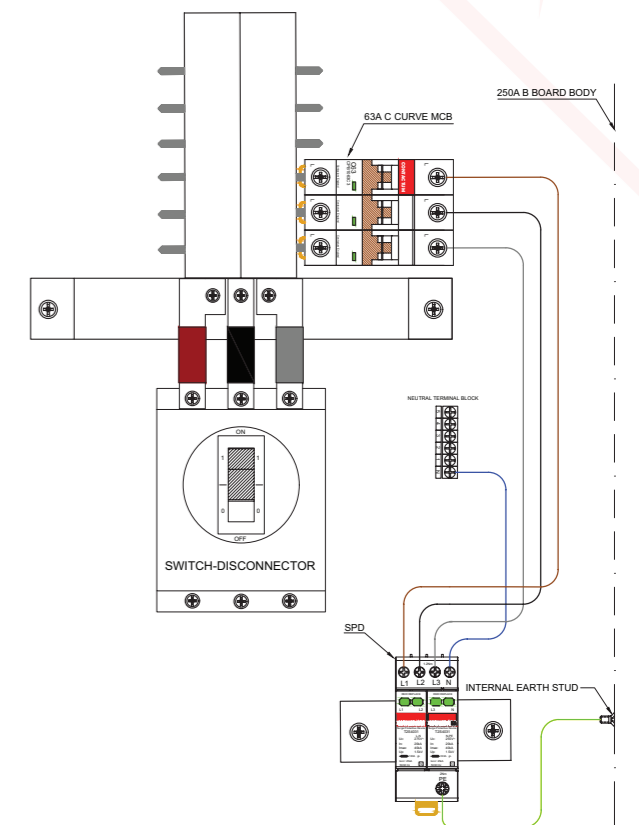
Download the full
Wiring & Installation
Instructions here



Wiring Diagramme DDB12FIS03-23 125A B Board



Wiring Diagramme DDB250MSR06-24 250A B Board

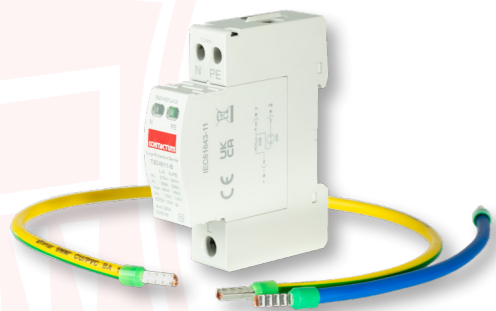


The Full SPD Family

Type 2 SPDs for Single Phase and Three Phase Applications

Compact SPD Kit - Direct Connect

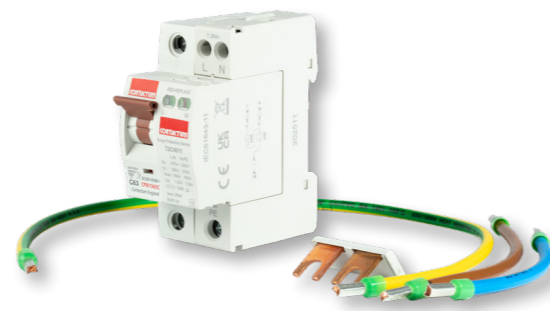
A space-saving surge protection solution designed for direct connection to the busbar, eliminating the need for an MCB. Ideal for streamlined installations where protection is supported by the Distribution Network Operator.



T2C4011-BKIT
Surge 40kA 1+1 Type 2 Compact SPD Kit

Retrofit SPD Kit with MCB

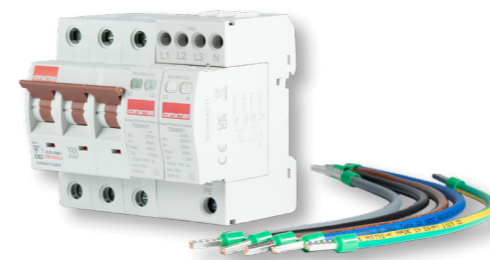
A versatile retrofit surge protection kit that is hardwired into the existing unit and supplied with a 63A MCB, an ideal solution for upgrades and replacements in single-phase applications.



T2C4011KIT
Surge 40kA 1+1 Type 2 SPD Retro Fit Kit

2 Module Compact SPD Kit

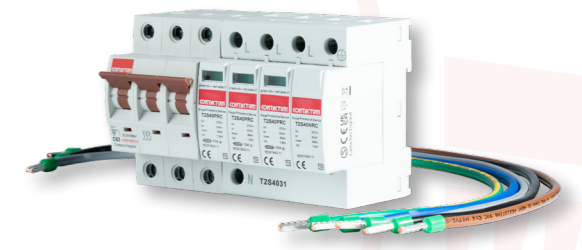
A compact, modern three-phase surge protection device offering consistent protection in a reduced footprint. Designed for easy integration where panel space is limited.



T2S4031KIT
T2 40kA Compact Surge Arrestor Kit

4 Module SPD Kit

A robust three phase surge protection kit, suited to larger, more spacious installations.



DDB-T2S4031KIT
Type 2 40KA 3+1 Surge Arrestor Kit for DDB-M/SENC



Type 2 Compact SPDs

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