More than just a consumer unit range
the new Concept
is a small revolution in domestic switchgear.

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Features

The **Neutral bus-bar** makes a neutral connection available at every module position eliminating the tangle of wiring usually associated with twin RCCBs or tails from RCBOs.

The **Full Width Earth Bar** runs the entire width of the enclosure, allowing protective conductors to be terminated directly above their corresponding L&N connections – for a simpler, tidier and easier to maintain wiring layout. The longer Earth bar also and providing plenty of extra terminals for duplicate c.p.c.s for high protective conductor current circuits and bonding conductors.

**Twin Screw Tunnel terminals** for all external wiring – the tried and tested solution for loose connections in consumer units.

All **outgoing devices isolate both L and N** when open – allowing full isolation and testing of individual circuits without having to disconnect conductors. This not only provides reassurance that what is put into service is the same as what has been tested, it also improves long term reliability by eliminates damage to conductors caused by repeated disconnection and re-connection for periodic testing.

**Hands free testing.** The Earth bar and load terminals of all outgoing devices can additionally accept a 4mm 'banana' plug – for safer and more reliable connection of test equipment (banana plugs with retractable shrouds recommended).

**SSEG compatible.** The bus-bars and incoming devices are rated at 116A continuously – to allow for up to 16A of local generation to be used in parallel with a 100A grid supply without risk of overload regardless of layout.

**Flexible incomer positioning.** The incoming device may be placed at any module position along the bus-bar - allowing for left-hand, right-hand, or anywhere in between positioning – whatever best suits each individual site.

**Large capacity Earth Bar terminals** – the Earth bar has double-screw tunnel terminals carefully designed to securely hold any conductor between 1mm² solid to 25mm² stranded – ideal when the CU is supplied by a 25mm² SWA cable with a core used for Earth.

Range includes **HBC fuse carriers** for situations where MCBs aren't the best choice – for example where discrimination with downstream protective devices is required or greater breaking capacity is needed. Ideal for supplying distribution circuits to other CUs.

Easy to create **multiple high capacity fused ways** in one neat unit – ideal for supplying several distribution circuits – eliminating the need for multiple switchfuses, connector blocks and interconnecting tails.

Our unique “Ring circuit” MCB or RCBO ensures that full overload protection is individually provided to each of the ring conductors – ensuring safety regardless of unbalanced loads or broken ring conductors.

Support for **3-phase** and **split-phase** domestic installations, as well as touring caravans and motor homes.
Full width Earth Bar
- Twin screw tunnel terminals
- Two terminals per module
- Each terminal accepts up to 25mm²

Grouped Terminals
L, N & PE for each circuit are grouped together

Neutral busbar

Line busbar

Flexible incomer positioning
May be placed anywhere along the bus-bar

Test port
All outgoing terminals and earth bar accept 4mm plugs for testing

Twin screw tunnel terminals
For reliable connections

Support for embedded generation
Bus-bars and incomer devices fully rated for 116A to allow for 16A local generation in parallel with 100A grid supply.

Mix and Match CPDs
MCBs, RCBOs and HBC fuses
Incoming Devices

All incoming devices have twin screw terminals capable of accommodating up to 35mm\(^2\) stranded conductors (7 or 19 strand). Fine stranded cable (e.g. “tri-rated”) may also be used but the ends will need to be ferruled.

Double pole switch disconnector suitable for use with single phase supplies.

May be placed at any position along a single phase bus-bar. 116A rated AC22A for switching of resistive and inductive loads

Positive contact indication

BS EN 60947-3

Order as: DP Switch Disconnector: CT/IN/SD/DP

Two, mechanically coupled, double pole switch disconnectors suitable for use with dual single phase supplies.

All outgoing ways on supply 1 must be located to the left of the switch disconnector and all outgoing ways on supply 2 to the right. May be placed at any position to suit the number of ways require on each supply. Bus-bars may need to be cut on-site to suit the desired positioning. 116A rated AC22A for switching of resistive and inductive loads

Positive contact indication

BS EN 60947-3

Order as: Dual supply Switch Disconnector: CT/IN/SD/TWIN

Double pole A-type RCCB incoming device for single phase supplies. Neutral contact opens last and closes first.

May be placed at any position along a single phase bus-bar. 116A rated

Positive contact indication

BS EN 61008

Order as: 30mA DP RCCB Incomer: CT/IN/RCCB/DP/30/A
Order as: 100mA time delayed DP RCCB Incomer: CT/IN/RCCB/DP/100/AS
Order as: 300mA time delayed DP RCCB Incomer: CT/IN/RCCB/DP/100/AS
Bus-bars and Terminals

Single pole bus-bar for use as either the Neutral or, in single phase arrangements, the line bus-bar.

Available as full 57-module bars, or pre-cut to 4, 6, 8, 10, 12, 16 and 24 module lengths. May be cut down on site if required.

Rated 116A

Order as: SP Bus-bar 4-way: CT/BB/1/4
Order as: SP Bus-bar 6-way: CT/BB/1/6
Order as: SP Bus-bar 8-way: CT/BB/1/8
Order as: SP Bus-bar 10-way: CT/BB/1/10
Order as: SP Bus-bar 12-way: CT/BB/1/12
Order as: SP Bus-bar 16-way: CT/BB/1/16
Order as: SP Bus-bar 24-way: CT/BB/1/24
Order as: SP Bus-bar 57-way: CT/BB/1/57

Bus-bar terminals. For extending bus-bars to another tier or an adjacent enclosure, or for use as an incoming device if local isolation isn't required

Provide direct connections to L or N bus-bars.

Rated 116A.

Order as: Line bus-bar terminal: CT/TERM/L
Order as: Neutral bus-bar terminal: CT/TERM/N

Blank modules.

Provide protection for the front of the enclosure when the lid is in place, and IP2X protection to the bus-bar forks for that position when the lid is removed.

Order as: DIN rail mounting blank: CT/BLANK
**Enclosures**

Both IP2X steel and IP65 insulating enclosures, for a variety of situations. Supplied with full width Earth bar above each tier.

Twin screw tunnel terminals that can securely accept any conductor between 1.0mm$^2$ solid and 25mm$^2$ stranded. Facility for 4mm banana plug at each end. Supplied ready fitted to Concept enclosures. Two terminals per module position.

Steel enclosures available in single tier 4, 6, 8, 10, 12, 16 and 24 modules.

Two and three tier also available with 16 modules per tier.

Order as: Steel Enclosure 4-module: CT/ENC/ST/1/4
Order as: Steel Enclosure 6-module: CT/ENC/ST/1/6
Order as: Steel Enclosure 8-module: CT/ENC/ST/1/8
Order as: Steel Enclosure 10-module: CT/ENC/ST/1/10
Order as: Steel Enclosure 12-module: CT/ENC/ST/1/12
Order as: Steel Enclosure 16-module: CT/ENC/ST/1/16
Order as: Steel Enclosure 24-module: CT/ENC/ST/1/24
Order as: Steel Enclosure two-tier 32-module: CT/ENC/ST/2/16
Order as: Steel Enclosure three-tier 48-module: CT/ENC/ST/3/16

Insulating IP65 rated enclosures available in single tier 4, 6, 8, 10, 12, 16 and 24 modules.

Two and three tier also available with 16 modules per tier.

Order as: Insulating Enclosure 4-module: CT/ENC/IN/1/4
Order as: Insulating Enclosure 6-module: CT/ENC/IN/1/6
Order as: Insulating Enclosure 8-module: CT/ENC/IN/1/8
Order as: Insulating Enclosure 10-module: CT/ENC/IN/1/10
Order as: Insulating Enclosure 12-module: CT/ENC/IN/1/12
Order as: Insulating Enclosure 16-module: CT/ENC/IN/1/16
Order as: Insulating Enclosure 24-module: CT/ENC/IN/1/24
Order as: Insulating Enclosure two-tier 32-module: CT/ENC/IN/2/16
Order as: Insulating Enclosure three-tier 48-module: CT/ENC/IN/3/16

Flush steel enclosures available in single tier 4, 6, 8, 10, 12, 16 and 24 modules.

Order as: Flush Steel Enclosure 4-module: CT/ENC/FST/1/4
Order as: Flush Steel Enclosure 6-module: CT/ENC/FST/1/6
Order as: Flush Steel Enclosure 8-module: CT/ENC/FST/1/8
Order as: Flush Steel Enclosure 10-module: CT/ENC/FST/1/10
Order as: Flush Steel Enclosure 12-module: CT/ENC/FST/1/12
Order as: Flush Steel Enclosure 16-module: CT/ENC/FST/1/16
Order as: Flush Steel Enclosure 24-module: CT/ENC/FST/1/24
**Outgoing Devices**

Single module up to and including 32A rating, 2-modules wide above 32A.
Single module units have twin screw L & N tunnel outgoing terminals accepting up to 10mm² stranded conductors. Two-module units have twin screw L & N tunnel outgoing terminals accepting up to 35mm² conductors.

Single phase switched neutral RCBOs with 30mA A-type RCD element and B-type or C-type MCB element.

Positive contact indication

**BS EN 61009**

Order as:

- RCBO B6: CT/OUT/RCBO/6/B/30/A
- RCBO B16: CT/OUT/RCBO/16/B/30/A
- RCBO B20: CT/OUT/RCBO/20/B/30/A
- RCBO B32: CT/OUT/RCBO/32/B/30/A
- RCBO B40: CT/OUT/RCBO/40/B/30/A
- RCBO B50: CT/OUT/RCBO/50/B/30/A
- RCBO C6: CT/OUT/RCBO/6/C/30/A
- RCBO C16: CT/OUT/RCBO/16/C/30/A
- RCBO C20: CT/OUT/RCBO/20/C/30/A
- RCBO C32: CT/OUT/RCBO/32/C/30/A
- RCBO C40: CT/OUT/RCBO/40/C/30/A
- RCBO C50: CT/OUT/RCBO/50/C/30/A

Single phase switched neutral MCBs available as either B-type or C-type.

Positive contact indication

**BS EN 60898**

6A-32A are single width modules, 40A & 50A are 2-modules wide.

Order as:

- MCB B6: CT/OUT/MCB/1/6/B
- MCB B16: CT/OUT/MCB/1/16/B
- MCB B20: CT/OUT/MCB/1/20/B
- MCB B32: CT/OUT/MCB/1/32/B
- MCB B40: CT/OUT/MCB/1/40/B
- MCB B50: CT/OUT/MCB/1/50/B
- MCB C6: CT/OUT/MCB/1/6/C
- MCB C16: CT/OUT/MCB/1/16/C
- MCB C20: CT/OUT/MCB/1/20/C
- MCB C32: CT/OUT/MCB/1/32/C
- MCB C40: CT/OUT/MCB/1/40/C
- MCB C50: CT/OUT/MCB/1/50/C
Concept Domestic Switchgear

HBC fuse carriers with switched neutral for BS 88-3 cartridge fuses. Neutral disconnects when fuse carrier is opened.

6A-32A are one module wide. 45A-100A are 2-modules wide.

6A type also accepts BS 1361 6.35mmx23mm 5A fuses.
16A type also accepts BS 1361 10.32mmx26mm 15A fuses.
20A type also accepts BS 1361 10.32mmx26mm 20A fuses.
32A type also accepts BS 1361 12.7mmx29mm 30A fuses.
45A type also accepts BS 1361 16.67mmx35mm 45A fuses.
63A type also accepts BS 1361 22mmx58mm 60A fuses.
80A type also accepts BS 1361 22mmx58mm 80A fuses.
100A type also accepts BS 1361 22mmx58mm 100A fuses.

All supplied with corresponding BS88-3 fuse.

Order as: Single pole switched neutral 6A HBC fuse carrier: CT/OUT/HBC/1/6
Order as: Single pole switched neutral 16A HBC fuse carrier: CT/OUT/HBC/1/16
Order as: Single pole switched neutral 20A HBC fuse carrier: CT/OUT/HBC/1/20
Order as: Single pole switched neutral 32A HBC fuse carrier: CT/OUT/HBC/1/32
Order as: Single pole switched neutral 45A HBC fuse carrier: CT/OUT/HBC/1/45
Order as: Single pole switched neutral 63A HBC fuse carrier: CT/OUT/HBC/1/63
Order as: Single pole switched neutral 80A HBC fuse carrier: CT/OUT/HBC/1/80
Order as: Single pole switched neutral 100A HBC fuse carrier: CT/OUT/HBC/1/100

Order as: Spare 6A HBC fuse: CT/OUT/HBC/SPARE/6
Order as: Spare 16A HBC fuse: CT/OUT/HBC/SPARE/16
Order as: Spare 20A HBC fuse: CT/OUT/HBC/SPARE/20
Order as: Spare 32A HBC fuse: CT/OUT/HBC/SPARE/32
Order as: Spare 45A HBC fuse: CT/OUT/HBC/SPARE/45
Order as: Spare 63A HBC fuse: CT/OUT/HBC/SPARE/63
Order as: Spare 80A HBC fuse: CT/OUT/HBC/SPARE/80
Order as: Spare 100A HBC fuse: CT/OUT/HBC/SPARE/100
Concept Domestic Switchgear

Ring Final Circuit RCBO. Combining the fault and additional protection of a B32/30mA A-type RCBO with individual 20A overload protection for each of the four ring conductors. This device provides assurance that the ring conductors cannot be damaged by overload even in the event of greatly unbalanced loads or a broken ring.

In the OFF position this device also individually disconnects all four ring connections – allowing for end-to-end ring continuity tests to be performed without disconnection.

BS EN 61009

Order as: Ring RCBO: CT/OUT/RING/RCBO

Ring Final Circuit MCB. Combining the fault protection of a B32 MCB with individual 20A overload protection for each of the four ring conductors. This device provides assurance that the ring conductors cannot be damaged by overload even in the event of greatly unbalanced loads or a broken ring.

In the OFF position this device also individually disconnects all four ring connections – allowing for end-to-end ring continuity tests to be performed without disconnection.

BS EN 60898

Order as: Ring MCB: CT/OUT/RING/MCB

Bell Transformer. SELV.

8V, 12V and 24V taps.


BS EN 61558-2-6

Order as: Ring MCB: CT/OUT/BELL
Concept Domestic Switchgear

Single pole RCCB with switched neutral. For adding RCD protection to an MCB or HBC fuse outdoing device. Available as a single module 32A unit for circuits up to 32A and a 2-module wide 100A unit for higher rated circuits.

Provides a greater range of RCD options than the RCBO range.

Top facing IN and OUT terminals. No electrical connection to either the L or N bus-bars. Body provides IP2X protection to unused bus-bar forks.

May be placed to either the left or right of the corresponding overcurrent protective device using the supplied link, or in any other position if conventionally wired.

No mechanical linkage to overcurrent device – the RCCB contains its own fault breaking L contact and switched N.

Positive contact indication

BS EN 61008

Order as: RCCB 32A/30mA A-type: CT/OUT/RCCB/1/32/30/A
Order as: RCCB 32A/100mA A-type: CT/OUT/RCCB/1/32/100/A
Order as: RCCB 32A/300mA A-type: CT/OUT/RCCB/1/32/300/A
Order as: RCCB 32A/100mA time delayed A-type: CT/OUT/RCCB/1/32/100/AS
Order as: RCCB 32A/300mA time delayed A-type: CT/OUT/RCCB/1/32/300/AS

Order as: RCCB 32A/30mA F-type: CT/OUT/RCCB/1/32/30/F
Order as: RCCB 32A/100mA F-type: CT/OUT/RCCB/1/32/100/F
Order as: RCCB 32A/300mA F-type: CT/OUT/RCCB/1/32/300/F
Order as: RCCB 32A/100mA time delayed F-type: CT/OUT/RCCB/1/32/100/FS
Order as: RCCB 32A/300mA time delayed F-type: CT/OUT/RCCB/1/32/300/FS

Order as: RCCB 32A/30mA B-type: CT/OUT/RCCB/1/32/30/B
Order as: RCCB 32A/100mA B-type: CT/OUT/RCCB/1/32/100/B
Order as: RCCB 32A/300mA B-type: CT/OUT/RCCB/1/32/300/B
Order as: RCCB 32A/100mA time delayed B-type: CT/OUT/RCCB/1/32/100/BS
Order as: RCCB 32A/300mA time delayed B-type: CT/OUT/RCCB/1/32/300/BS

Order as: RCCB 100A/30mA A-type: CT/OUT/RCCB/1/100/30/A
Order as: RCCB 100A/100mA A-type: CT/OUT/RCCB/1/100/100/A
Order as: RCCB 100A/300mA A-type: CT/OUT/RCCB/1/100/300/A
Order as: RCCB 100A/100mA time delayed A-type: CT/OUT/RCCB/1/100/100/AS
Order as: RCCB 100A/300mA time delayed A-type: CT/OUT/RCCB/1/100/300/AS

Order as: RCCB 100A/30mA F-type: CT/OUT/RCCB/1/100/30/F
Order as: RCCB 100A/100mA F-type: CT/OUT/RCCB/1/100/100/F
Order as: RCCB 100A/300mA F-type: CT/OUT/RCCB/1/100/300/F
Order as: RCCB 100A/100mA time delayed F-type: CT/OUT/RCCB/1/100/100/FS
Order as: RCCB 100A/300mA time delayed F-type: CT/OUT/RCCB/1/100/300/FS

Order as: RCCB 100A/30mA B-type: CT/OUT/RCCB/1/100/30/B
Order as: RCCB 100A/100mA B-type: CT/OUT/RCCB/1/100/100/B
Order as: RCCB 100A/300mA B-type: CT/OUT/RCCB/1/100/300/B
Order as: RCCB 100A/100mA time delayed B-type: CT/OUT/RCCB/1/100/100/BS
Order as: RCCB 100A/300mA time delayed B-type: CT/OUT/RCCB/1/100/300/BS
**Auxiliary Devices**

**Surge Protection Devices**

Connects directly to bus-bars. Integral overcurrent protection and isolation facility.

Available as Type 1 and Type 2. Type 1 is three modules wide, type 2 two modules wide.

Connection Type 2 - suitable for both TN and TT systems.

Visible end-of-life indication.

Replaceable cartridges.

Upward facing earth terminals. Supplied with G/Y sheathed braided copper link for connection to Earth bar.

BS EN 61643

Order as: SPD Single Phase Type 1: CT/SPD/1/1
Order as: SPD Single Phase Type 2: CT/SPD/1/2

Order as: Replacement SPD Cartridge L+N Type 2: CT/SPD/CART/2
Order as: Replacement SPD Cartridge L Type 1: CT/SPD/CART/1/L
Order as: Replacement SPD Cartridge N Type 1: CT/SPD/CART/1/N

**Contactor**

20A double pole or 4-pole contactor. DP is one modules wide, 4-pole is two modules wide.

Top facing terminals. No electrical connection to either the L or N bus-bars. Body provides IP2X protection to unused bus-bar forks.

BS EN 61095

Order as: DP Contactor 20A: CT/CONT/2/20
Order as: 4P Contactor 20A: CT/CONT/4/20
Accessories

Cable gland for meter tails. Suits 16mm² and 25mm² insulated and sheathed tails plus optional 16mm² unsheathed earthing conductor.

Order as: Meter Tails gland: CT/ACC/GLAND/MT

Small cable gland. Useful for the entry of separate Earthing conductors or small round cables.

Order as: Small gland: CT/ACC/GLAND/RD

Insulating lining. Of three-piece thermosetting plastic construction, this item provides additional insulation and separation internally to the full height of the enclosure and to the width of one device, reliably segregating that device's wiring from the steel enclosure, the Earth Bar and all other internal wiring.

Ideal for providing double/reinforced insulation for incoming wiring at the origin of TT systems where a steel enclosure is required.

Also suitable for segregating the SELV wiring from bell transformers.

May be used with top, rear or bottom cable entries. Should be used with a suitable insulating gland or insulating bush for double/reinforced insulation applications with steel enclosures.

Available in 2, 3 or 4 module widths.

Order as: Insulating Lining 2-module: CT/ACC/LINING/2
Order as: Insulating Lining 3-module: CT/ACC/LINING/3
Order as: Insulating Lining 3-module: CT/ACC/LINING/4

Non-ferrous gland plate.

For situations such as the origin of TT systems where the Earthing conductor needs to be separated from the pre-RCD line and neutral conductors, but nevertheless meet the regulation's requirements that protective conductors enter ferrous enclosures through the same hole as the associated line and neutral conductors.

Allows two adjacent holes to be cut for the live conductors and for the protective conductor and then 'slotted' together. This gland plate then covers the slot to maintain IP rating.

Order as: Non-ferrous gland plate: CT/ACC/PLATE
Compatibility Accessories

As not even the most comprehensive range will be able to cater for every single situation and so being able to integrate devices from other manufacturers or suppliers is occasionally necessary. Within certain constraints other manufacturer's devices may be included within Concept switchgear assemblies. Note that there are limitations to this approach – not only must other manufacturer's devices be used within the limits of their individual capabilities – such as fault current breaking capacity, but they also need to meet the Concept specifications for other characteristics such as heat generation and electromagnetic compatibility. Full details available on request.

Bus-bar connectors for 2-pole single module devices.

Converts conventional cage clamp terminal DIN rail mounting devices for use with the Concept bus-bar system.

Type 1 is suitable for devices with staggered terminals – N on the left and 9mm below L terminal and 9mm horizontally between L and N terminals. Type 2 is suitable for device with L and N terminals at the same height, 9mm apart.

Order as: Bus-bar conversion terminal, type 1: CT/TERM/CONV/LN/1
Order as: Bus-bar conversion terminal, type 2: CT/TERM/CONV/LN/2

Bus-bar connectors for single terminal per module devices.

Converts conventional cage clamp terminal DIN rail mounting devices for use with the Concept bus-bar system.

Order as: Bus-bar conversion terminal, line: CT/TERM/CONV/L
Order as: Bus-bar conversion terminal, neural: CT/TERM/CONV/N

Wiring connectors for 2-pole single module devices.

Converts conventional cage clamp terminal DIN rail mounting devices to the twin screw tunnel terminal system preferred by the Concept system.

Type 1 is suitable for devices with staggered terminals – N on the left and 9mm below L terminal and 9mm horizontally between L and N terminals. Type 2 is suitable for device with L and N terminals at the same height, 9mm apart.

Outgoing terminals accept up to 10mm² stranded conductors.

Order as: Bus-bar conversion terminal, type 1: CT/OUT/CONV/LN/1
Order as: Bus-bar conversion terminal, type 2: CT/OUT/CONV/LN/2
Concept Domestic Switchgear

Bus-bar connectors for single terminal per module devices.

Converts conventional cage clamp terminal DIN rail mounting devices to the twin screw tunnel terminal system preferred by the Concept system.

Outgoing terminals accept up to 35mm² conductors.

Order as: Bus-bar conversion terminal, line: CT/OUT/CONV

Testing Accessories

Fused test link.

Two 4mm stackable banana plugs with retractable shrouds connected together with 0.5m of 2.5mm² extra flexible silicone insulated test lead wire and in-line 10A HBC fuse.

Useful for connecting outgoing L terminal to Earth bar for R1+R2 continuity tests or shorting L to N for L+N to Earth insulation tests.

In-line fuse limits damage should the circuit under test be accidentally energised.

Order as: Fused test link: CT/TEST/LINK/HBC

Fixed shroud adaptor.

Retractable shroud banana plug connected to an in-line socket capable of accepting a fixed shroud 4mm plug typically supplied with electrical test equipment. Unfused.

Order as: Fused test link: CT/TEST/ADAPT
**Polyphase Devices**

Additional devices to enable the Concept system to support 230/400V 3-phase and 230/460V split phase systems.

Double pole Line bus-bar for use in split-phase or 2-phase systems.

- Rated 116A
- Order as: DP Bus-bar: CT/BB/L/2

Triple pole Line bus-bar for use in 3-phase systems.

- Rated 116A
- Order as: TP Bus-bar: CT/BB/L/3

Switch Disconnectors

Available in both Triple pole with switched Neutral for 3-phase systems and double pole with switched Neutral for split-phase. Neutral contact opens last and closes first.

For use with double pole or triple pole bus-bar as appropriate.

May be placed at any modular position.

3-phase unit is four modules wide, split-phase unit is three modules wide.

- 116A rated
- AC22A for switching of resistive and inductive loads
- Positive contact indication
- BS EN 60947-3

Order as: Split phase Switch Disconnector: CT/IN/SD/DPN
Order as: TPN Switch Disconnector: CT/IN/SD/TPN

A-type RCCB incoming device for polyphase supplies. Available in...
Concept Domestic Switchgear

both 2-phase (split phase) and three phase versions. Neutral contact opens last and closes first.

May be placed at any position along a single phase bus-bar.

116A rated

Positive contact indication

BS EN 61008

Order as: 30mA Split phase RCCB Incomer: CT/IN/RCCB/DPN/30/A
Order as: 30mA TPN RCCB Incomer: CT/IN/RCCB/TPN/30/A
Order as: 100mA time delayed Split phase RCCB Incomer: CT/IN/RCCB/DPN/100/AS
Order as: 100mA time delayed TPN RCCB Incomer: CT/IN/RCCB/TPN/100/AS
Order as: 300mA time delayed Split phase RCCB Incomer: CT/IN/RCCB/DPN/300/AS
Order as: 300mA time delayed TPN RCCB Incomer: CT/IN/RCCB/TPN/300/AS

Two- and three-pole switched neutral MCBs available as either B-type or C-type. Neutral contact opens last and closes first.

Positive contact indication

BS EN 60898

Two phase devices are 2 modules wide, three-phase devices 3-modules wide.

Order as: Double pole switched neutral MCB B6: CT/OUT/MCB/2/6/B
Order as: Double pole switched neutral MCB B16: CT/OUT/MCB/2/16/B
Order as: Double pole switched neutral MCB B20: CT/OUT/MCB/2/20/B
Order as: Double pole switched neutral MCB B32: CT/OUT/MCB/2/32/B
Order as: Double pole switched neutral MCB B40: CT/OUT/MCB/2/40/B
Order as: Double pole switched neutral MCB B50: CT/OUT/MCB/2/50/B

Order as: Double pole switched neutral MCB C6: CT/OUT/MCB/2/6/C
Order as: Double pole switched neutral MCB C16: CT/OUT/MCB/2/16/C
Order as: Double pole switched neutral MCB C20: CT/OUT/MCB/2/20/C
Order as: Double pole switched neutral MCB C32: CT/OUT/MCB/2/32/C
Order as: Double pole switched neutral MCB C40: CT/OUT/MCB/2/40/C
Order as: Double pole switched neutral MCB C50: CT/OUT/MCB/2/50/C

Order as: Triple pole switched neutral MCB B6: CT/OUT/MCB/2/6/B
Order as: Triple pole switched neutral MCB B16: CT/OUT/MCB/2/16/B
Order as: Triple pole switched neutral MCB B20: CT/OUT/MCB/2/20/B
Order as: Triple pole switched neutral MCB B32: CT/OUT/MCB/2/32/B
Order as: Triple pole switched neutral MCB B40: CT/OUT/MCB/2/40/B
Order as: Triple pole switched neutral MCB B50: CT/OUT/MCB/2/50/B

Order as: Triple pole switched neutral MCB C6: CT/OUT/MCB/2/6/C
Order as: Triple pole switched neutral MCB C16: CT/OUT/MCB/2/16/C
Order as: Triple pole switched neutral MCB C20: CT/OUT/MCB/2/20/C
Order as: Triple pole switched neutral MCB C32: CT/OUT/MCB/2/32/C
Order as: Triple pole switched neutral MCB C40: CT/OUT/MCB/2/40/C
Order as: Triple pole switched neutral MCB C50: CT/OUT/MCB/2/50/C
Concept Domestic Switchgear

HBC fuse carriers with switched neutral. Available with double or triple pole fusing. Neutral disconnects when fuse carrier is opened.

For BS 88-3 cartridge fuses.

6A-32A are one module wide per pole.
45A-100A are two modules wide per pole.

All supplied with corresponding BS88-3 fuse. For replacement fuses please refer to the catalogue section for single pole devices.

Order as: Double pole switched neutral 6A HBC fuse carrier: CT/OUT/HBC/2/6
Order as: Double pole switched neutral 16A HBC fuse carrier: CT/OUT/HBC2/16
Order as: Double pole switched neutral 20A HBC fuse carrier: CT/OUT/HBC/2/20
Order as: Double pole switched neutral 32A HBC fuse carrier: CT/OUT/HBC/2/32
Order as: Double pole switched neutral 45A HBC fuse carrier: CT/OUT/HBC/2/45
Order as: Double pole switched neutral 63A HBC fuse carrier: CT/OUT/HBC/2/63
Order as: Double pole switched neutral 80A HBC fuse carrier: CT/OUT/HBC/2/80
Order as: Double pole switched neutral 100A HBC fuse carrier: CT/OUT/HBC/2/100

Order as: Triple pole switched neutral 6A HBC fuse carrier: CT/OUT/HBC/3/6
Order as: Triple pole switched neutral 16A HBC fuse carrier: CT/OUT/HBC/3/16
Order as: Triple pole switched neutral 20A HBC fuse carrier: CT/OUT/HBC/3/20
Order as: Triple pole switched neutral 32A HBC fuse carrier: CT/OUT/HBC/3/32
Order as: Triple pole switched neutral 45A HBC fuse carrier: CT/OUT/HBC/3/45
Order as: Triple pole switched neutral 63A HBC fuse carrier: CT/OUT/HBC/3/63
Order as: Triple pole switched neutral 80A HBC fuse carrier: CT/OUT/HBC/3/80
Order as: Triple pole switched neutral 100A HBC fuse carrier: CT/OUT/HBC/3/100

Triple pole RCCB with switched neutral. For adding RCD protection to an MCB or HBC fuse on 3-phase or split-phase outgoing circuits. 100A rated for general application. All units are three modules wide.

Top facing IN and OUT terminals. No electrical connection to either the L or N bus-bars. Body provides IP2X protection to unused bus-bar forks.

No mechanical linkage to overcurrent device – the RCCB contains its own fault breaking L contact and switched N.

Positive contact indication

BS EN 61008

Order as: TPSN RCCB 100A/30mA A-type: CT/OUT/RCCB/3/100/30/A
Order as: TPSN RCCB 100A/100mA A-type: CT/OUT/RCCB/3/100/100/A
Order as: TPSN RCCB 100A/300mA A-type: CT/OUT/RCCB/3/100/300/A
Order as: TPSN RCCB 100A/100mA time delayed A-type: CT/OUT/RCCB/3/100/100/AS
Order as: TPSN RCCB 100A/300mA time delayed A-type: CT/OUT/RCCB/3/100/300/AS

Order as: TPSN RCCB 100A/30mA F-type: CT/OUT/RCCB/3/100/30/F
Order as: TPSN RCCB 100A/100mA F-type: CT/OUT/RCCB/3/100/100/F
Order as: TPSN RCCB 100A/300mA F-type: CT/OUT/RCCB/3/100/300/F
Order as: TPSN RCCB 100A/100mA time delayed F-type: CT/OUT/RCCB/3/100/100/FS
Order as: TPSN RCCB 100A/300mA time delayed F-type: CT/OUT/RCCB/3/100/300/FS

Order as: TPSN RCCB 100A/30mA B-type: CT/OUT/RCCB/3/100/30/B
Concept Domestic Switchgear

Order as: TPSN RCCB 100A/100mA B-type: CT/OUT/RCCB/3/100/100/B
Order as: TPSN RCCB 100A/300mA B-type: CT/OUT/RCCB/3/100/300/B
Order as: TPSN RCCB 100A/100mA time delayed B-type: CT/OUT/RCCB/3/100/100/BS
Order as: TPSN RCCB 100A/300mA time delayed B-type: CT/OUT/RCCB/3/100/300/BS

Double pole MCB. N as well as L has full overcurrent protection and fault current breaking abilities

For use where the supply neutral isn't reliably earthed – for instance where supply polarity may be reversed or 230V is derived from two lines of a 3-phase system

Typically used for installations in touring caravans and camper vans to ensure safety when connected to foreign supply systems.

Order as: Double pole MCB B6: CT/OUT/MCB/DP/6/B
Order as: Double pole MCB B16: CT/OUT/MCB/DP/16/B
Order as: Double pole MCB B20: CT/OUT/MCB/DP/20/B
Order as: Double pole MCB B32: CT/OUT/MCB/DP/32/B
Order Kits

For convenience these single order codes may be used to order all the components needed to make up some common assemblies.

KIT/SWF/1/100 100A switchfuse assembly. Consists of:
- DP Switch Disconnector: CT/IN/SD/DP
- SP Bus-bar 4-way: CT/BB/1/4 (2 off)
- Steel Enclosure 4-module: CT/ENC/ST/1/4
- Single pole switched neutral 100A HBC fuse carrier: CT/OUT/HBC/1/100

KIT/SWF/1/80 80A switchfuse assembly. Consists of:
- DP Switch Disconnector: CT/IN/SD/DP
- SP Bus-bar 4-way: CT/BB/1/4 (2 off)
- Steel Enclosure 4-module: CT/ENC/ST/1/4
- Single pole switched neutral 80A HBC fuse carrier: CT/OUT/HBC/1/80

KIT/SWF/3/63 3-way 63A switchfuse assembly. Consists of:
- DP Switch Disconnector: CT/IN/SD/DP
- SP Bus-bar 8-way: CT/BB/1/8 (2 off)
- Steel Enclosure 8-module: CT/ENC/ST/1/8
- Single pole switched neutral 63A HBC fuse carrier: CT/OUT/HBC/1/63 (3 off)

KIT/CU/1/10 Single phase domestic consumer unit with 10 modules free for outgoing devices.
Consists of:
- DP Switch Disconnector: CT/IN/SD/DP
- SP Bus-bar 12-way: CT/BB/1/12 (2 off)
- Steel Enclosure 12-module: CT/ENC/ST/1/12

Outgoing devices to be ordered separately.

KIT/CU/1/12/SPD Single phase domestic consumer unit with type 2 SPD protection and 12 modules free for outgoing devices.
Consists of:
- DP Switch Disconnector: CT/IN/SD/DP
- SP Bus-bar 16-way: CT/BB/1/16 (2 off)
- Steel Enclosure 16-module: CT/ENC/ST/1/16
- SPD Single Phase Type 2: CT/SPD/1/2

Outgoing devices to be ordered separately.
Concept Domestic Switchgear

KIT/CU/1/2/GAR  Traditional steel “Garage CU” with 30mA RCCB incomer and 6A and 20A MCBs.

Consists of:
- 30mA DP RCCB Incomer: CT/IN/RCCB/DP/30/A
- SP Bus-bar 4-way: CT/BB/1/4 (2 off)
- Steel Enclosure 4-module: CT/ENC/ST/1/4
- MCB B6: CT/OUT/MCB/1/6/B
- MCB B20: CT/OUT/MCB/1/20/B

KIT/TT/TAI L S  Kit for ensuring the double/reinforced insulation meter tails when using a steel enclosure. Useful at the origin of a single phase TT system.

Consists of:
- Insulating Lining 2-module: CT/ACC/LINING/2
- Meter Tails gland: CT/ACC/GLAND/MT
- Small gland: CT/ACC/GLAND/RD
- Non-ferrous gland plate: CT/ACC/PLATE

KIT/TT/SWA   Kit for ensuring the double/reinforced insulation of live conductors from a multicore cable when using a steel enclosure. Useful where a separate TT earthing system is created for a detached outbuilding.

Consists of:
- Insulating Lining 2-module: CT/ACC/LINING/2
- Small gland: CT/ACC/GLAND/RD
- Non-ferrous gland plate: CT/ACC/PLATE

Also requires an insulating gland to suit the selected incoming cable.

KIT/CARAVAN  Insulated consumer unit suitable for use in touring caravans requiring one 16A and one 6A outgoing circuit.

Consists of:
- 30mA DP RCCB Incomer: CT/IN/RCCB/DP/30/A
- SP Bus-bar 6-way: CT/BB/1/6 (2 off)
- Insulating Enclosure 6-module: CT/ENC/IN/1/6
- Double pole MCB B6: CT/OUT/MCB/DP/6/B
- Double pole MCB B16: CT/OUT/MCB/DP/16/B

Premiers Quatre Switchgear
part of the
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specification valid only until twelve noon
Errors and omissions excepted