

# Concept

Domestic Switchgear



**CATALOGUE 2020**

## Concept Domestic Switchgear

The new **Concept** range introduces a small revolution in domestic switchgear.

Stepping beyond traditional consumer units, the Concept Range provides features to support a wide range of domestic arrangements – distribution circuits as well as final circuits, 3-phase and split-phase as well as single phase.

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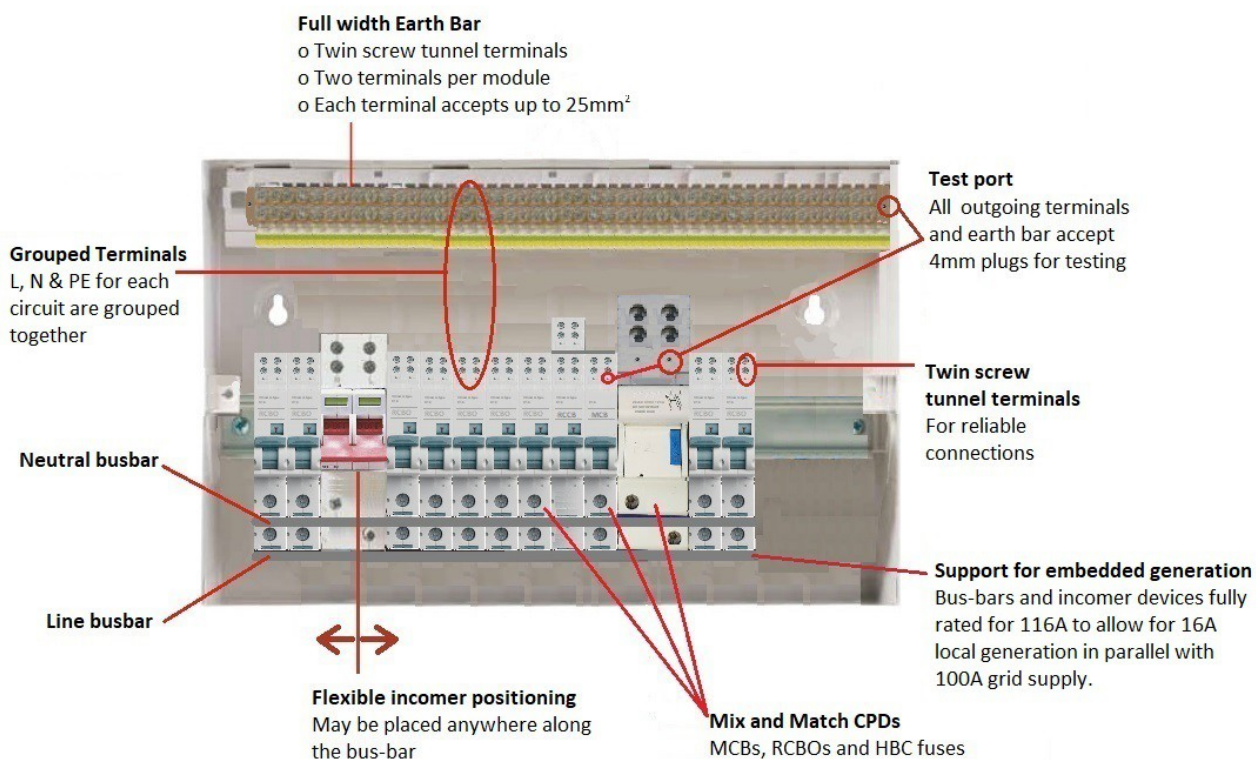
### **Features**

- The **neutral bus-bar** makes a neutral connection available at every module position eliminating the tangle of wiring usually associated with twin RCDs 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 provides 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 eliminating 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 safe and reliable testing (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 1mm<sup>2</sup> solid to 25mm<sup>2</sup> stranded – ideal when the CU is supplied by a 25mm<sup>2</sup> SWA cable with a core used for Earth.
- Range includes compatible **HBC fuse carriers** for situations where MCBs aren't preferred – 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

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several distribution circuits – eliminating the need for multiple switchfuses, connector blocks and interconnecting tails.

- Our unique **“Ring circuit” MCB or RCBO** that ensures full overload protection to each of the ring conductors – regardless of unbalanced loads or broken ring.
- Support for **3-phase** and **split-phase** domestic installations, as well as touring caravans and motor homes.





## Incoming Devices

All incoming devices have twin screw terminals capable of accommodating up to 35mm<sup>2</sup> 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 disconnecter 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 Disconnecter: 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 disconnecter 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 Disconnecter: CT/IN/SD/TWIN

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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

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Blank modules.

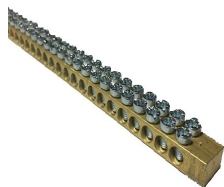
Provide protection for the front of the enclosure when the lid is in place, and IP2X protection to the bus-bar forks for that position when the lid is removed.

Order as: DIN rail mounting blank: CT/BLANK

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### 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<sup>2</sup> solid and 25mm<sup>2</sup> 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



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## Outgoing devices

Single module up to and including 32A rating, 2-module above 32A.

Single module units have twin screw L & N tunnel outgoing terminals accepting up to 10mm<sup>2</sup> stranded conductors. Two-module units have twin screw L & N tunnel outgoing terminals accepting up to 35mm<sup>2</sup> 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  
Order as: RCBO B16: CT/OUT/RCBO/16/B/30/A  
Order as: RCBO B20: CT/OUT/RCBO/20/B/30/A  
Order as: RCBO B32: CT/OUT/RCBO/32/B/30/A  
Order as: RCBO B40: CT/OUT/RCBO/40/B/30/A  
Order as: RCBO B50: CT/OUT/RCBO/50/B/30/A

Order as: RCBO C6: CT/OUT/RCBO/6/C/30/A  
Order as: RCBO C16: CT/OUT/RCBO/16/C/30/A  
Order as: RCBO C20: CT/OUT/RCBO/20/C/30/A  
Order as: RCBO C32: CT/OUT/RCBO/32/C/30/A  
Order as: RCBO C40: CT/OUT/RCBO/40/C/30/A  
Order as: 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  
Order as: MCB B16: CT/OUT/MCB/1/16/B  
Order as: MCB B20: CT/OUT/MCB/1/20/B  
Order as: MCB B32: CT/OUT/MCB/1/32/B  
Order as: MCB B40: CT/OUT/MCB/1/40/B  
Order as: MCB B50: CT/OUT/MCB/1/50/B

Order as: MCB C6: CT/OUT/MCB/1/6/C  
Order as: MCB C16: CT/OUT/MCB/1/16/C  
Order as: MCB C20: CT/OUT/MCB/1/20/C  
Order as: MCB C32: CT/OUT/MCB/1/32/C  
Order as: MCB C40: CT/OUT/MCB/1/40/C  
Order as: MCB C50: CT/OUT/MCB/1/50/C

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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



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

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### Ring Final Circuit MCB.

AS Ring RCBO: CT/OUT/RING/RCBO but without the RCD element. For situations where additional protection isn't required at the origin of the circuit.

BS EN 60898

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



Single pole RCCB with switched neutral. For adding RCD protection to an MCB or HBC fuse outgoing device. Available as a single module 32A unit for overcurrent devices 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



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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/100/1/300/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



**Bell Transformer. SELV.**

8V, 12V and 24V taps.

Connects directly to bus-bars. Integral overcurrent protection and isolation facility on primary. Built-in self-resetting short-circuit protection on secondary.

**BS EN 61558-2-6**

Order as: Ring MCB: CT/OUT/BELL



## 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 16mm<sup>2</sup> and 25mm<sup>2</sup> insulated and sheathed tails plus optional 16mm<sup>2</sup> 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 to the full height of the enclosure 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

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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, neutral: 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.

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Type 2 is suitable for device with L and N terminals at the same height, 9mm apart.

Outgoing terminals accept up to 10mm<sup>2</sup> 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



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 35mm<sup>2</sup> 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 2.5mm<sup>2</sup> 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

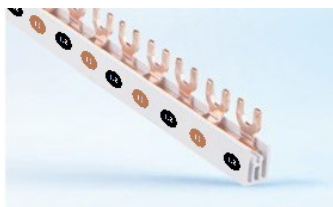
Fixed shroud adaptor.

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 accessories***

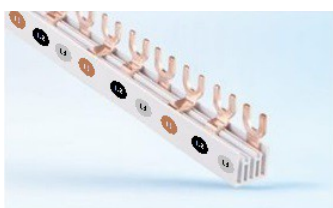
Additional devices to enable the Concept system to support 230/400V 3-phase and 230/460V split phase systems.



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



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A-type RCCB incoming device for polyphase supplies. Available in 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/CU/1/10** Single phase domestic consumer unit with 10 modules free for outgoing devices.

Consists of:

- DP Switch Disconnecter: 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 Disconnecter: 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.

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

## Concept Domestic Switchgear

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/SWF/1/100

100A switchfuse assembly. Consists of:

- DP Switch Disconnecter: 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/SWIF/1/80

80A switchfuse assembly. Consists of:

- DP Switch Disconnecter: 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 Disconnecter: 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/TT/TAILS

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

## Concept Domestic Switchgear

Premiers Quatre Switchgear  
part of the  
Premier Avril Electrical group of companies

specification valid only until twelve noon  
Errors and omissions excepted