

## 100A RCCB (RCD) High Integrity Design 1.0 Consumer Units

### Description

The Design 1.0 range of consumer units are the perfect solution for every domestic installation. Compliant with the 18th Edition Wiring Regulations. Product feature include:

- ✓ Conforms to BE EN 61439-3 Including Annex ZB (16kA rating)
- ✓ References ending with **X** indicate they are factory fitted with Type 2 SPD.
- ✓ 32A MCB Factory fitted for OCP for all SPD consumer units
- ✓ Cable clamps are factory fitted as standard as they are recommended on TT systems
- ✓ Supplied with Din Rail that is dis-mountable
- ✓ Lockable as standard and locks are available as an accessory (**VCPK-L**)
- ✓ Additional height (260mm) to improve RCBO installation speed and safety
- ✓ Blanks included
- ✓ Part populated with MCBs (see size for details)

### Product Options

| Part Number | Description   | Usable ways |
|-------------|---|-------------|
| VCP10HI     | 16 Way High Integrity split (4+4+2) with 2x 100A 30mA Type A RCCBs, 2x 6A, 1x 16A, 3x 32A MCBs                    | 10          |
| VCP10HIX    | 16 Way High Integrity split (4+4+2) with 2x 100A 30mA Type A RCCBs, SPD & OCP, 2x 6A, 1x 16A, 3x 32A MCBs         | 8           |
| VCP12HI     | 18 Way High Integrity split (5+5+2) with 2x 100A 30mA Type A RCCBs, 2x 6A, 1x 16A, 3x 32A, 1x 40A MCBs            | 12          |
| VCP12HIX    | 18 Way High Integrity split (5+5+2) with 2x 100A 30mA Type A RCCBs, SPD & OCP, 2x 6A, 1x 16A, 3x 32A, 1x 40A MCBs | 10          |
| VCP16HI     | 22 Way High Integrity split (7+7+2) with 2x 100A 30mA Type A RCCBs, 3x 6A, 1x 16A, 5x 32A, 1x 40A MCBs            | 16          |
| VCP16HIX    | 22 Way High Integrity split (7+7+2) with 2x 100A 30mA Type A RCCBs, SPD & OCP, 3x 6A, 1x 16A, 5x 32A, 1x 40A MCBs | 14          |

- \*MS - 100A Switch connector (Main switch), (VCP100MS).  
 \*SPD - Type 2 Single module factory fitted Surge protection device  
 \*OCP - 32A 6kA Type B Miniature circuit breaker for overcurrent protection (VCP132B)



## Technical Specifications

|                         |  |
|-------------------------|--|
| Standards               | All Design 1.0 Consumer Units Conform to BS EN 61439-3<br>Main Switch: EN/IEC 60947-3<br>RCBO: EN /IEC 61009-1 |
| Max Current Rating      | 100A   |
| Operating Voltage       | 230V AC 50Hz   |
| Short Current Withstand | 16kA rms   |
| IP Rating               | IP2XC  |
| Installation            | Interior   |
| Material                | Steel  |
| Finish                  | White soft gloss (RAL 9010)  |
| UV Stability            | Yes  |
| Main Switch Terminal    | 35mm <sup>2</sup> capacity   |
| Main switch torque      | 2.5Nm  |
| RCBO Terminal           | 16mm <sup>2</sup> (32-40A is 25mm <sup>2</sup> )   |
| RCBO Torque             | 2Nm  |
| RCCB Rating             | 100A 30mA RCCB Type A  |

## Product Weights

| Part Number | Description                               | Weight (kg) |
|-------------|---|-------------|
| VCP10HI     | 10 way Design 1.0 with 100A MS            | 5.25        |
| VCP10HIX    | 10 way Design 1.0 with 100A MS, SPD & OCP | 5.5         |
| VCP12HI     | 14 way Design 1.0 with 100A MS            | 5.6         |
| VCP12HIX    | 14 way Design 1.0 with 100A MS, SPD & OCP | 5.8         |
| VCP16HI     | 18 way Design 1.0 with 100A MS            | 6.3         |
| VCP16HIX    | 18 way Design 1.0 with 100A MS, SPD & OCP | 6.4         |

## Dimensions

