

NEW FROM BG SyncEV-CIRCUIT PROTECTION



New EV Circuit Protection Enclosures, Double Pole RCBO and B Curve MCB, for the protection of the BG SyncEV Chargers



IP65 Weatherproof

- **CFEV1A-01**, 40A Type A RCD, 40A B Curve MCB + SPD
- **CFEV2-01**, 100A Main Switch, 40A B Curve MCB + SPD
- **CFEV1RDA-01**, 100A Main Switch, 40A Type A Double Pole RCBO + SPD

IP20 Non-Weatherproof

- **CFUEV1A-01**, 40A Type A RCD, 40A B Curve MCB + SPD
- **CFUEV2-01**, 100A Main Switch, 40A B Curve MCB + SPD
- **CFUEV1RDA-01**, 100A Main Switch, 40A Type A Double Pole RCBO + SPD

Double Pole Type A RCBO

- **CUCRB40DPA-01**, compact RCBO 40A Type A Double Pole

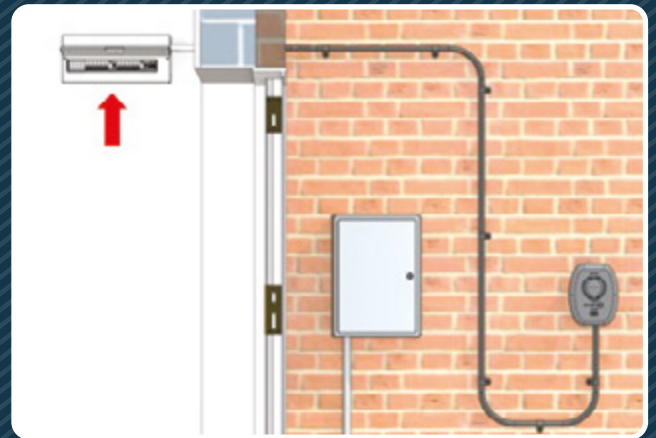
B Curve 40A MCB

- **CUMB40-01**, 40A B curve MCB

Option 1 BG Consumer Unit

If the BG SyncEV charger is to be installed into an existing BG consumer unit with spare capacity for an outgoing circuit, then the installation of a 40A B curve MCB or a 40A double pole type A RCBO can be used, dependent on the type of consumer unit it is installed in and what type of cable and how it is routed is taken into consideration such as clipped direct or buried not more than 50mm within the building fabric.

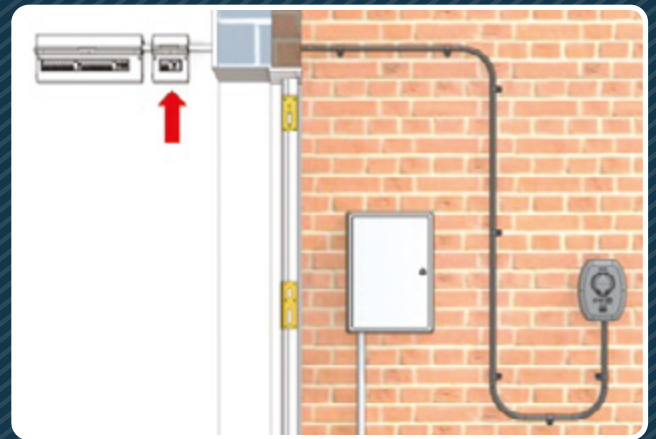
Please refer to regulations 522.6.201 through to 522.6.204.



Option 2 Internal Installation

If there is no capacity in the existing consumer unit, then one of the following IP20 BG SyncEV enclosure kits may be installed depending on what type of protection is needed for the circuit. CFUEV1A, CFUEV2 or CFUEV1RDA

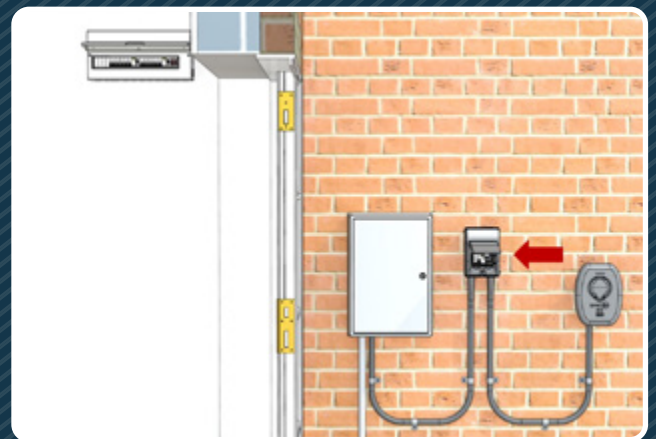
NOTE: The selection of the BG SyncEV enclosure is dependent on the type of installation at the premises and what protection is required for the installation using the factors of the wiring and location of the circuit and charger.



Option 3 External Installation

If there is no capacity in the existing consumer unit, then one of the following IP65 BG SyncEV enclosure kits may be installed depending on what type of protection is needed for the circuit. CFEV1A, CFEV2 or CFEV1RDA

NOTE: The selection of the EV enclosure is dependent on the type of installation at the premises and what protection is required for the installation using the factors of the wiring and location of the circuit and charger.



NOTE: CFUEV1A, CFEV1A, CFEV1RDA & CFUEV1RDA - can be used if the cables are not mechanically protected and pass through wall or partitions. CFEV2, CFUEV2 - can be used if the cables are mechanically protected and pass through wall and partitions. The Incoming supply may need to be split via a junction box or other means to achieve the installation.

An additional RCD may not be required, however RCD protection may be required for other reasons such as if it forms part of a TT system and the earth fault loop impedance values cannot be met. This will be in compliance with the current BS7671 18th Edition Wiring Regulations Amendment 2 and IET Code of Practice - Electrical Vehicle Charging Equipment Installation.