



DISTRIBUTION UNITS FOR ELECTRIC VEHICLE CHARGERS

Proteus Switchgear Guide to EV Switchgear & Circuit Protection



Proteus Switchgear offer a wide range of standard and bespoke products to provide power and protection for EV chargers. Our range enables the distribution of power, in addition to offering short circuit, overcurrent and earth leakage protection. Proteus EV units are available with PME Fault Detection technology, suitable for a wide range of EV chargers.

Proteus EV is a complete solution, fully assembled at our UK-based factories with all the required devices. We offer a 1-way unit, all the way up to a 12-way unit and many different configurations in-between, tailored to your needs. Outgoing ways are described as the kW rating of the required chargers so you can easily choose the switchgear to match your EV charging requirements.

DID YOU KNOW?

AT THE END OF SEPT 2024 THERE WERE ACROSS THE UK
(excluding workplace or domestic):



70,434

**ELECTRIC VEHICLE
CHARGE POINTS**

(Sept 2023: 49,882)



35,810

**CHARGING
LOCATIONS**

(Sept 2023: 29,709)



103,593

CONNECTORS

(Sept 2023: 77,531)



13,706

**ARE RAPID /
ULTRA-RAPID**

(Sept 2023: 9,209)

source: zap-map



AS OF
SEPTEMBER 2024 THERE ARE OVER
1,250,000
FULLY ELECTRIC CARS
IN THE UK



04

THE EV ROLL OUT

06

HOME CHARGING

08

WORKPLACE & PUBLIC
CHARGING

09

O-PEN® TECHNOLOGY

14

BESPOKE
SWITCHGEAR

16

CIRCUIT PROTECTION
DEVICES

THE EV ROLL OUT

The UK's charging network was given a huge boost from March 2022, as government unveils plans to support the UK market in their 'Taking Charge: the electric vehicle infrastructure strategy.' Where they aimed to get ahead of demand and give drivers the confidence to make the switch to EV. They aim to reach 300,000 public electric vehicle (EV) chargepoints by 2030 – equivalent to almost 5 times the number of fuel pumps on our roads today.

The industry has also comprehensively embraced the transition to green road transport. By March 2022, Mini, Vauxhall, Ford, Bentley, Rolls Royce and others have committed to a zero emission future from 2030, and more than £3 billion of investment has flowed into the UK zero emission vehicle sector.

2020: 205,770 fully electric cars registered
= 0.6% of all cars of the road
2024: 1,250,000+ fully electric cars registered
= 3.75% of all cars of the road

UK PLAN TO REACH

300,000



**PUBLIC ELECTRIC VEHICLE CHARGE
POINTS BY 2030**

**AS OF SEPT 2024 THERE WERE
70,434 PUBLIC ELECTRIC
VEHICLE CHARGING DEVICES
AVAILABLE IN THE UK**

TYPES OF DISTRIBUTION UNITS

Proteus Switchgear have an extensive range of EV distribution boards. Developed over many years we have a standard offering accommodating different types of charges. We understand the range of applications/industries needing to invest in EV chargepoints and have developed this range accordingly. However, we also appreciate in many instances one size will not fit all. Therefore, we can offer our bespoke service from our Telford based manufacturing facility.



HOME CHARGING SINGLE PHASE

From simple EV distribution boards to fully integrated Consumer Units featuring PME fault detection, the Proteus Switchgear range of EV distribution is the complete offering.



WORKPLACE & PUBLIC THREE PHASE

Whether your installation is for a workplace or public car park we have a comprehensive range of standard distribution boards available. Including O-PEN® technology which negates the need for earth rods.



BESPOKE SWITCHGEAR OFFERING

Ensure your customers exact requirements are achieved with our bespoke switchgear service. We can design our single or three phase boards to suit your specification.

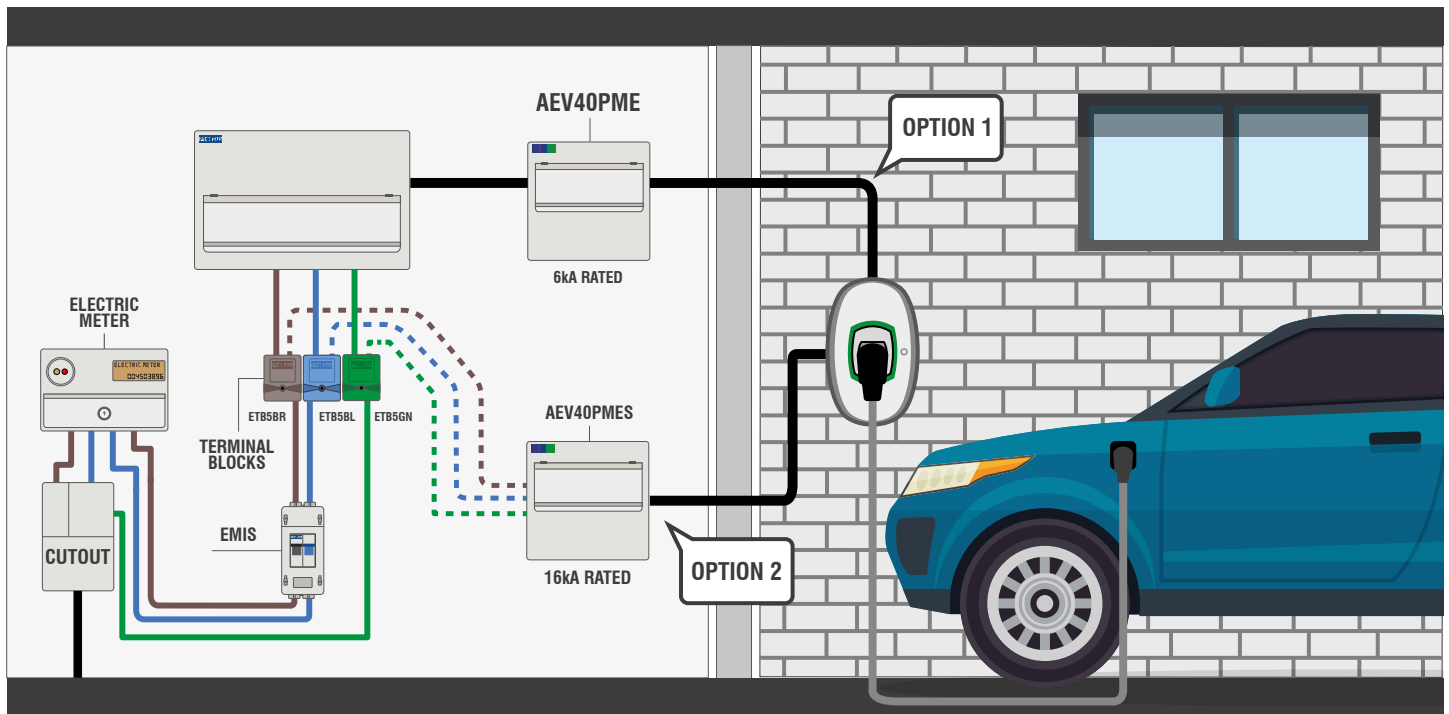


HOME CHARGING



As the demand for EV charging within domestic installations becomes ever more popular, choosing the correct protection for your charge point is crucial in providing a safe and effective environment.

From simple EV distribution boards to fully integrated Consumer Units featuring PME fault detection, the Proteus Switchgear range of EV distribution is the complete offering.



OPTION 1 - 6kA RATED

In this application, supply to the EV Charge Point is taken directly from the main consumer unit within the home, through our EV distribution board with PME fault detection and on to the Charge Point. Our 6kA rated EV distribution board would be suitable.

OPTION 2 - 16kA RATED

If your installation requires your EV Charge Point supply to be taken from the meter cupboard terminals, then the EV Distribution Board must meet BS61439-3 Annex ZB – 16kA Short Circuit rating. In this application, our 16kA rated EV Distribution Board would be required.



**OPTIONAL
SPD**

AEV40PME

EV DISTRIBUTION BOARDS c/w PME FAULT DETECTION

Optional T2+3 SPD, suffix part code with **T23**

PROTECTION DEVICE	kA	CAT. NO.	H	W	D
RCBO 40A	6	AEV40PME	225	225	119
RCD 63A/MCB 40A	6	AEVB40PME	256	309	119
RCBO 40A	16	AEV40PMES	225	225	119
RCD 63A/MCB 40A	16	AEVB40PMES	256	309	119



**OPTIONAL
SPD**

AEV40PMEIP

IP65 EV DISTRIBUTION BOARDS c/w PME FAULT DETECTION

Optional T2+3 SPD, suffix part code with **T23**

PROTECTION DEVICE	kA	CAT. NO.	H	W	D
RCBO 40A	6	AEV40PMEIP	201	202	120
RCD 63A/MCB 40A	6	AEVB40PMEIP	259	319	144
RCBO 40A	16	AEV40PMESIP	201	202	120
RCD 63A/MCB 40A	16	AEVB40PMESIP	259	319	144



**SPD
FITTED**

10kA

AEV40T2M

IP4X EV DISTRIBUTION BOARDS c/w T2 SPD

Suitable For: 1 x 7.2 kW SP EV Charger

PROTECTION DEVICE	CAT. NO.	H mm	W mm	D mm
RCBO DP 40A B curve	AEV40T2M	175	110	90
RCBO DP 40A C curve	AEV40T2MC	175	110	90



**SPD
FITTED**

10kA

AEV40T2IP

IP65 EV DISTRIBUTION BOARDS c/w T2 SPD

Suitable For: 1 x 7.2 kW SP EV Charger

PROTECTION DEVICE	CAT. NO.	H mm	W mm	D mm
RCBO 40A	AEV40T2IP	208	140	102

**EXCITING
NEW
PRODUCT!**



IP65

AENC655MW

METAL IP65 EV DISTRIBUTION BOARDS c/w T2 SPD

Pre-configuration available upon request

PROTECTION DEVICE	CAT. NO.	H	W	D
Type B RCBO 40A	AEV40BT2IPMSW	240	180	105
Type C RCBO 40A	AEV40CT2IPMSW	240	180	105
Enclosure Only	AENC655MW	240	180	105

**EXCITING
NEW
PRODUCT!**



IP65

AEV40BT2IPMS

METAL IP65 EV DISTRIBUTION BOARDS c/w T2 SPD

Pre-configuration available upon request

PROTECTION DEVICE	CAT. NO.	H	W	D
Type B RCBO 40A	AEV40BT2IPMS	240	180	105
Type C RCBO 40A	AEV40CT2IPMS	240	180	105
Enclosure Only	AENC655M	240	180	105



WORKPLACE & PUBLIC

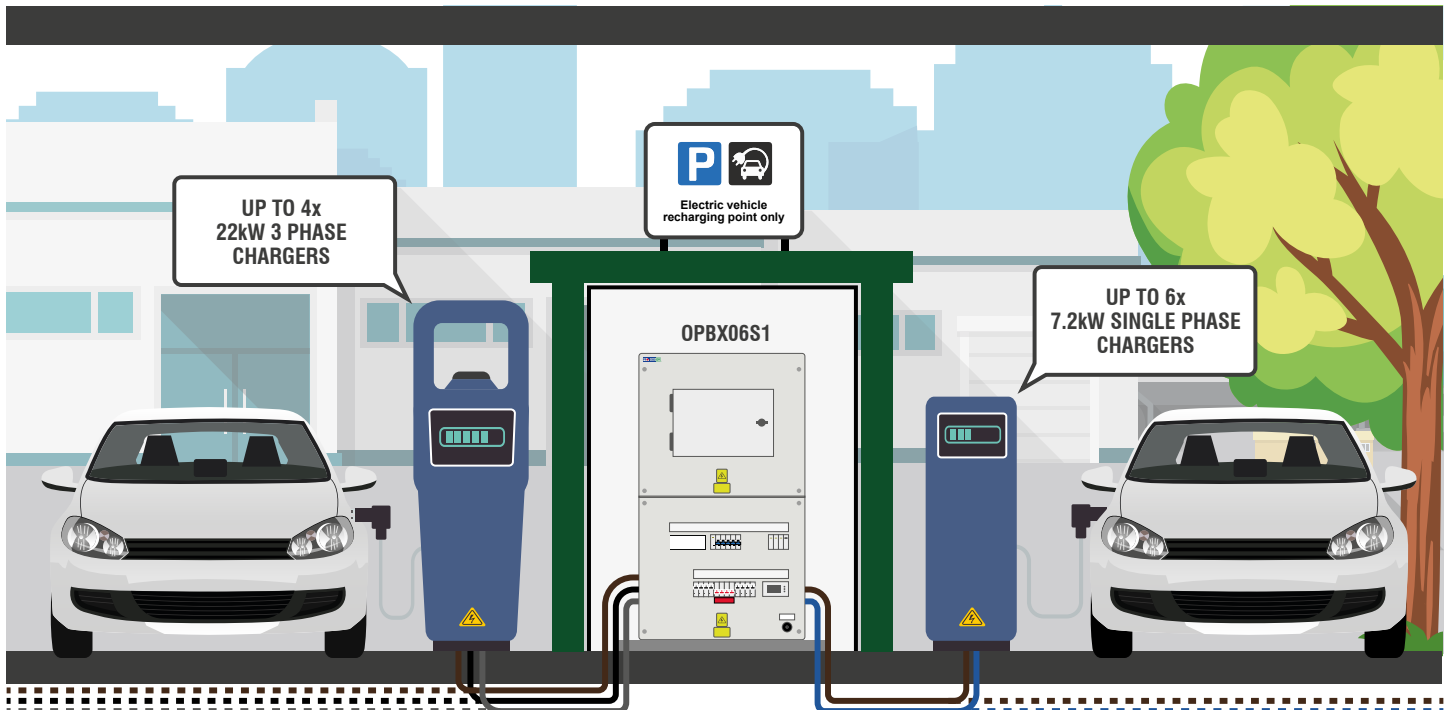


TYPES OF EV CHARGER APPLICATION;

- WORKPLACE
- PUBLIC CAR PARKS
- PETROL STATIONS
- HOTELS
- MANUFACTURING FACILITIES
- LEISURE CENTRES
- SHOPPING CENTRES

Proteus Switchgear have an extensive product portfolio of EV chargepoint distribution boards. Developed over many years we have a standard offering accommodating all different types of chargers from 1 chargepoint up to 9x 7.2kW plus 3x 22kW chargers.

We understand the range of applications/industries needing to invest in EV chargepoints and have developed this range accordingly. However, we also appreciate in many instances one size will not fit all. Therefore, we can offer our bespoke service from our Telford based manufacturing facility. We can design a switchgear system to suit your individual needs. Whether its to fit a certain space on a project or supply a customer specified number of different kW charges.





O-PEN® TECHNOLOGY

Are you installing EV charge points and looking for a compliant alternative to Earth electrodes?

Why do you need to install Earth electrodes?

PME (TNCS) is the most common form of earthing provided at new installations and utilises a single conductor for the neutral and earthing functions (PEN) with an earth terminal derived from the neutral cable. The danger arises if there is an open PEN conductor within the network. This can lead to an electric shock if any metallic parts, including gas pipework and any bonded appliance, were touched by a person in simultaneous contact with the general mass of Earth.

Unfortunately, MCBs and RCDs currently used DO NOT detect this fault and DO NOT offer any protection.

Because of this the IET Wiring Regulations BS:7671, states that a PME earthing facility shall not be used as means of earthing for the protective conductor contact of a charging point located outdoors or that might reasonably be expected to be used to charge a vehicle located outdoors.

Unless one of the following methods is used

- The charge point forms part of a three-phase installation where all of the demand including the charge point/s are balanced over all of the available phases
- The car charging installation includes an Earth electrode of sufficient resistance to ensure the rise of earth potential will be limited to a maximum of 70 V rms during a broken neutral event
- Protection of electric shock is provided by a device which disconnects the charging point/s from the live conductors of the supply and the protective earth within 5 seconds in the event of a broken neutral

we have the answer.....

With the introduction of BS: 7671 it is now very clear what is allowed for protection on EV charge point installations. matt:e has developed a range of connection centres that allow for the compliant connection of EV charge points to PME infrastructures without the use of Earth electrodes.

DID YOU KNOW?

The O-PEN® protection device which monitors the PEN conductor and trips the 5 pole MCB in the event of a fault, automatically recloses once the fault is cleared using Matt:E technology.

EV DISTRIBUTION WITH O-PEN® PROTECTION

PRODUCT FEATURES

- Available in 4, 6, 8, 12 & 16 TP outgoing ways.
- Choose between 100A or 200A 4 pole isolator incomer.
- Features a matt:e O-PEN® protection device which monitors the PEN conductor and trips the 5 pole MCB in the event of a fault, automatically reclosing once the fault is cleared.
- Accepts MCBs from 2A-63A and RCBOs from 6A-63A.
- Surge protection and multi-function metering optional if required.
- Insulated earth and neutral terminal bars.
- Removable end plates, top and bottom.
- Removable door.
- Key hole wall fixings.
- Additional modular boxes available for RCDs.
- Larger sized incomers available upon request.

**NO EARTH
RODS
REQUIRED**



100A 4P MATT:E O-PEN® ISOLATOR INCOMER

NO. OF WAYS	INCOMER	CAT. NO.	H mm	W mm	D mm
4	100A	OPBX04S1	1000	500	170+50 door
6	100A	OPBX06S1	1000	500	170+50 door
8	100A	OPBX08S1	1200	500	170+50 door
12	100A	OPBX12S1	1200	500	170+50 door

**NO EARTH
RODS
REQUIRED**



200A 4P MATT:E O-PEN® ISOLATOR INCOMER

NO. OF WAYS	INCOMER	CAT. NO.	H mm	W mm	D mm
4	200A	OPBX04S2	1100	500	170+50 door
6	200A	OPBX06S2	1100	500	170+50 door
8	200A	OPBX08S2	1300	500	170+50 door
12	200A	OPBX12S2	1300	500	170+50 door
16	200A	OPBX16S2	1550	500	170+50 door

COMBINED MCB/MCCB PRODUCT FEATURES

200A distribution boards, fitted with O-PEN® technology for detection of a break in the PEN conductor. Switching 3 phases, neutral and earth ensures total disconnection of the EVC. There are two dedicated busbars for MCB's / RCBO's up to 63A and 3 pole MCCB's up to 160A.

- Available in 4, 6 & 8 TP ways & 2 TP MCCB ways upto 160A.
- Surge protection and multi-function metering optional if required.
- Insulated earth and neutral terminal bars.
- Removable end plates, top and bottom.
- Removable door.
- Key hole wall fixings.
- Additional modular boxes available for RCD's.
- Larger sized incomers available upon request.

EXCITING
NEW
PRODUCT!



NO EARTH
RODS
REQUIRED

200A 4P MATT:E O-PEN® ISOLATOR INCOMER

NO. OF WAYS	INCOMER	CAT. NO.	H mm	W mm	D mm
4	200A	NEW! OPMCX42/I200	1300	600	170+50 door
6	200A	NEW! OPMCX62/I200	1400	600	170+50 door
8	200A	NEW! OPMCX82/I200	1400	600	170+50 door



STAND ALONE O-PEN®

RATING	CAT. NO.	H mm	W mm	D mm
200A	OPS2	1100	500	170
400A	OPS4	1350	1200	300
600A	OPS6	1350	1500	300



OPMFMS2

MID METER KIT FOR OPX

RATING	CAT. NO.
100A	OPMFMS1
200A	OPMFMS2



SURGE KIT FOR OPX

SPD	CAT. NO.
Type 1+2 100A	OPSPDT12S1
Type 2 100A	OPSPDT2S1
Type 1+2 200A	OPSPDT12S2
Type 2 200A	OPSPDT2S2



OPBM20

MODULAR BOXES

NO. OF MODULES	CAT. NO.	H mm	W mm	D mm
20	OPMB20	300	500	170
40	OPMB40	500	500	170



THREE PHASE DISTRIBUTION BOARDS (EARTH RODS MAYBE REQUIRED)



TP+N POPULATED DISTRIBUTION BOARD - MAINS INCOMER

Suitable For: 11/22kW TP EV Chargers

Supplied with:

- 4 Pole isolator
- 30mA 4 Pole RCDs

PEV1-11-IRA

4P ISO	4P RCDs	RCD TYPE	CAT. NO.	H mm	W mm	D mm
25A	25A	A	PEV1-11-IRA	385	205	112
25A	63A	B	PEV1-11-IRB	385	205	112
40A	40A	A	PEV1-22-IRA	385	205	112
40A	63A	B	PEV1-22-IRB	385	205	112



TP 100A 4P ISOLATOR INCOMER

Suitable For 3/6 x 7.2 kW SP EV Chargers

Supplied with:

- 100A 4 Pole isolator
- Type A 40A 30mA C curve SP RCBO

PEV230

SP RCBOs	CAT. NO.	H mm	W mm	D mm
3 x 40 A	PEV230	269	326	110
6 x 40 A	PEV260	269	326	110



TP+N POPULATED DISTRIBUTION BOARD - MCB INCOMER

Suitable For: 11/22kW TP EV Chargers

Supplied with:

- C Curve 10kA 4 Pole MCB
- 30mA 4 pole RCD

PEV1-11-MRA

4P RCDs	RCD TYPE	4P MCBs	CAT. NO.	H mm	W mm	D mm
25A	A	20A	PEV1-11-MRA	385	205	112
63A	B	20A	PEV1-11-MRB	385	205	112
40A	A	40A	PEV1-22-MRA	385	205	112
63A	A	40A	PEV1-22-MRB	385	205	112



MCEL200T

STAND ALONE EARTH LEAKAGE UNITS

Triple pole or 4 pole 36kA moulded case circuit breaker in steel enclosure fitted with earth fault relay device type A

TYPE A

AMPERAGE	CAT. NO. (3 POLE+N)	CAT. NO. (4 POLE)	MIN. SENSITIVITY AMPS	CT DIAMETER (mm)	H	W	D
100A	MCEL100T	MCEL100F	0.03	70	700	300	170
125A	MCEL125T	MCEL125F	0.03	70	700	300	170
160A	MCEL160T	MCEL160F	0.03	70	700	300	170
200A	MCEL200T	MCEL200F	0.03	70	700	300	170
250A	MCEL250T	MCEL250F	0.1	120	950	400	170
315A	MCEL315T	MCEL315F	0.1	120	950	400	170
400A	MCEL400T	MCEL400F	0.1	120	950	400	170
500A	MCEL500T	MCEL500F	0.1	120	950	400	170
630A	MCEL630T	MCEL630F	0.1	120	950	400	170



MCEL160FB

STAND ALONE EARTH LEAKAGE UNITS

4 pole 36kA moulded case circuit breaker in steel enclosure fitted with earth fault relay device type B

TYPE B

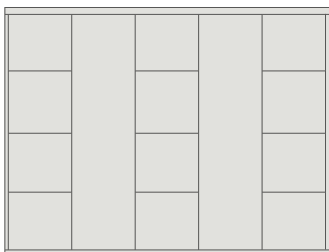
AMPERAGE		CAT. NO. (4 POLE)	MIN. SENSITIVITY AMPS	CT DIAMETER (mm)	H	W	D
63A	NEW!	MCEL063FB	0.03	60	500	300	170
80A	NEW!	MCEL080FB	0.03	60	500	300	170
100A	NEW!	MCEL100FB	0.03	60	700	300	170
125A	NEW!	MCEL125FB	0.03	60	700	300	170
160A	NEW!	MCEL160FB	0.03	60	700	300	170
200A	NEW!	MCEL200FB	0.03	60	700	300	170
250A	NEW!	MCEL250FB	0.1	90	950	400	170
315A	NEW!	MCEL315FB	0.1	90	950	400	170
400A	NEW!	MCEL400FB	0.1	90	950	400	170
500A	NEW!	MCEL500FB	0.1	90	950	400	170
630A	NEW!	MCEL630FB	0.1	90	950	400	170



BESPOKE SWITCHGEAR

EV charger installations are more involved than just the charging device and we understand installations can vary greatly from project to project. Therefore why not utilise our make and manufacture service and experience a completely bespoke solution to your projects requirements.

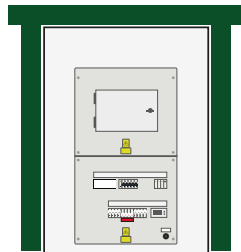
With over 30 years manufacturing experience and on-site production facilities at our Telford based operation we can offer a unique solution and reduce your installation time. **We can save your engineers time on site** by doing some of their work for them such as:



SIZE RESTRICTIONS

Do you need your board to fit into a specific space?

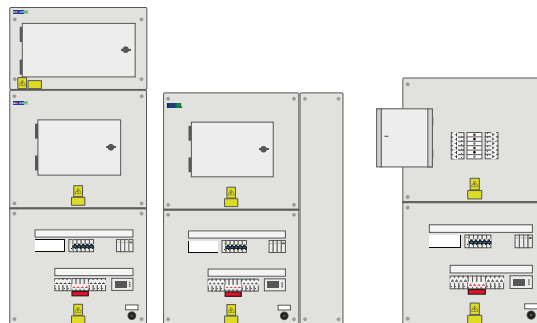
We offer a vast variety of designs to suit most spaces. This can range from adding a plinth to the bottom of the board or designing the board to fit into the corner of a room with a left or right turn in the board.



FEEDER PILLARS

Are you installing a board for a car park or forecourt?

Let us know the size of your feeder pillar and we can design the board to suit, or we can provide you with the dimensional details for the mounting plinth.



EXTENSION BOXES

Do you have hardware or sockets that need to be fed from the board?

We can design purpose-built extension boxes with cut outs to accommodate the hardware on the top or side of your panel and also pre drill the knockouts to aid the installation.

PRE POPULATED

Has your customer specified the number of chargers?

We can pre fit your board with the required devices either single or three phase to suit the amount of EV chargers that will be used. Saving time when installing on site.

MATT:E GUARDIAN TECHNOLOGY

The Guardian device is a new monitoring solution for detecting and protecting against broken neutral faults and stray voltages on the electrical supply and infrastructure of a building.

Product Features:

- Isolate specific supplies if they're becoming unsafe
- Connects to a web based portal for remote monitoring
- Automatically sends alerts to users
- Features Matt:e O-PEN® Technology

The device can be installed on all buildings with a three phase supply in varying sectors such as: **Power Utilities, Data Centres, Renewable Energy, hospitality, Hotels, Rail, Agricultural and many more.**

Broken neutral faults and stray voltages can cause:



DANGER OF ELECTROCUTION



HIGH VOLTAGES



DAMAGE TO CRITICAL LOADS



DAMAGE TO MACHINERY OR
CONNECTED APPLIANCES



FIRE HAZARD WHEN NOT
IDENTIFIED QUICKLY

THE DEVICE CAN BE INCORPORATED
IN OUR SWITCHGEAR, **REDUCING
TIME & SPACE ON-SITE.**

BESPOKE RESIDENTIAL UNITS

Residential units offer pre-cabled solutions to meet customer requirements, a choice of required cable cross-sectional area and length, conduit size and glands to suit within bespoke consumer unit configurations, as well as units for the EV, PV and ASHP market sectors – delivering a ready-made solution which increases the speed and efficiency of the install.



CIRCUIT PROTECTION DEVICES

RCDs



BI-DIRECTIONAL

63A 30mA TYPE B RCDs



63/2/30B2

CURRENT RATING (A)	NO. OF MODULES	NO. OF POLES	CAT. NO.
63	2	2	63/2/30B2



BI-DIRECTIONAL

4 POLE RCDs TYPE B



63/4/30B

CURRENT RATING (A)	MAX. CABLE SIZE mm ²	30 mA CAT. NO.	100 mA CAT. NO.	300 mA CAT. NO.
63	35	63/4/30B	-	-
80	50	80/4/30B	-	-
100	NEW! 50	100/4/30B	100/4/100B	100/4/300B
125	NEW! 50	125/4/30B	125/4/100B	125/4/300B



BI-DIRECTIONAL

2 POLE RCDs TYPE A



100/2/30TA

CURRENT RATING (A)	MAX. CABLE SIZE mm ²	30 mA CAT. NO.	100 mA CAT. NO.	300 mA CAT. NO.
16	50	16/2/30TA	-	-
25	50	25/2/30TA	25/2/100TA	-
32	50	32/2/30TA	-	-
40	50	40/2/30TA	40/2/100TA	-
63	50	63/2/30TA	63/2/100TA	-
80	50	80/2/30TA	80/2/100TA	-
100	50	100/2/30TA	100/2/100TA	100/2/300TA



BI-DIRECTIONAL

4 POLE RCDs TYPE A



25/4/30A

CURRENT RATING (A)	MAX. CABLE SIZE mm ²	30 mA CAT. NO.	100 mA CAT. NO.	300 mA CAT. NO.
25	35	25/4/30A	-	-
40	35	40/4/30A	40/4/100A	-
63	35	63/4/30A	63/4/100A	63/4/300A
80	35	80/4/30A	80/4/100A	80/4/300A
100	35	100/4/30A	100/4/100A	100/4/300A
125	NEW! 35	125/4/30A	125/4/100A	125/4/300A

RCDs



BI-DIRECTIONAL

4 POLE RCDs TYPE B

100/4/100TD



CURRENT RATING (A)	MAX. CABLE SIZE mm ²	100 mA CAT. NO.	300 mA CAT. NO.
100	35	100/4/100TD	100/4/300TD
125	35	125/4/100TD NEW!	125/4/300TD NEW!



1M21025/3

6kA DOUBLE POLE MCBs

Switched live and neutral

CURRENT RATING (A)	DOUBLE POLE C CURVE
6	1M21006/3
10	1M21010/3
16	1M21016/3
20	1M21020/3
25	1M21025/3
32	1M21032/3
40	1M21040/3

MCBs

10kA SINGLE & TRIPLE POLE MCBs



CURRENT RATING (A)	SINGLE POLE B CURVE	SINGLE POLE C CURVE	TRIPLE POLE B CURVE	TRIPLE POLE C CURVE
2	1002/2	1002/3	-	31002/3
4	1004/2	1004/3	-	31004/3
6	1006/2	1006/3	31006/2	31006/3
10	1010/2	1010/3	31010/2	31010/3
16	1016/2	1016/3	31016/2	31016/3
20	1020/2	1020/3	31020/2	31020/3
25	-	1025/3	-	31025/3
32	1032/2	1032/3	31032/2	31032/3
40	1040/2	1040/3	31040/2	31040/3
50	1050/2	1050/3	31050/2	31050/3
63	1063/2	1063/3	31063/2	31063/3

3 MOD 4 POLE 10kA



3 MODULE 4 POLE MCBs

3M41006/3

CURRENT RATING (A)	NO. OF MODULES	NO. OF POLES	CAT. NO. C CURVE
6	3	4P	3M41006/3
10	3	4P	3M41010/3
16	3	4P	3M41016/3
20	3	4P	3M41020/3
25	3	4P	3M41025/3
32	3	4P	3M41032/3
40	3	4P	3M41040/3
50	3	4P	3M41050/3
63	3	4P	3M41063/3

RCBOs

TYPE A

XL16CRK

10kA SINGLE MODULE RCBOs
1 POLE & SOLID NEUTRAL



CURRENT RATING (A)	B CURVE COMPACT	C CURVE COMPACT
6	XL6BRK	XL6CRK
10	XL10BRK	XL10CRK
16	XL16BRK	XL16CRK
20	XL20BRK	XL20CRK
25	XL25BRK	XL25CRK
32	XL32BRK	XL32CRK
40	XL40BRK*	XL40CRK 6kA Rated
45	-	XL50CRK 6kA Rated

TYPE A



BI-DIRECTIONAL

DOUBLE MODULE RCBOs DOUBLE
POLE SWITCHED LIVE & NEUTRAL

MRBA range are suitable for 'cable in-cable
out' applications and with DP comb busbar.



10MRBA

CURRENT RATING (A)	10kA B CURVE CAT. NO.	10kA C CURVE CAT. NO.
6	6MRBA	-
10	10MRBA	-
16	16MRBA	-
20	20MRBA	-
32	32MRBA	-
40	40MRBA	40MRCA

TYPE A



BI-DIRECTIONAL

6kA SINGLE MODULE RCBOs
DOUBLE POLE SWITCHED LIVE & NEUTRAL

1BK10



CURRENT RATING (A)	6kA B CURVE COMP. CAT. NO.	6kA C CURVE COMP. CAT. NO.
6	1BK6	1CK6
10	1BK10	1CK10
16	1BK16	1CK16
20	1BK20	1CK20
32	1BK32	1CK32
40	1BK40	1CK40

TYPE B



BI-DIRECTIONAL

6kA SINGLE MODULE RCBOs
DOUBLE POLE SWITCHED LIVE & NEUTRAL

1BK32B

EXCITING
NEW
PRODUCT!



CURRENT RATING (A)	6kA B CURVE CAT. NO.	6kA C CURVE CAT. NO.
16	1BK16B NEW!	1CK16B NEW!
20	1BK20B NEW!	1CK20B NEW!
32	1BK32B NEW!	1CK32B NEW!
40	1BK40B NEW!	1CK40B NEW!



XL6CR4P100

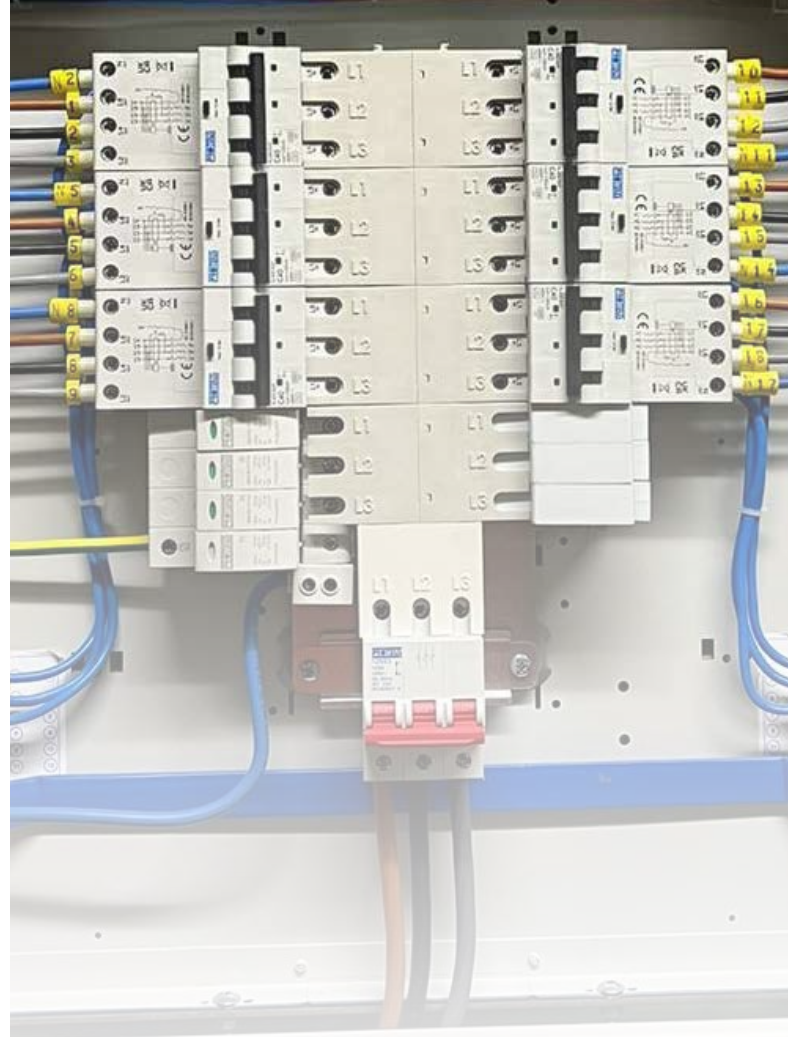
3 MOD 4 POLE 10kA

3 MOD 4 POLE RCBOs

- C Curve
- Type A
- 10kA
- Fits BX, XL, ABX, CBX, MCX, PDU, OPBX ranges
- Switched live and neutral poles

These RCBOs can be fitted to 3 pole MCB board busbars. Connection to neutral is by flying lead to the neutral block. 4 pole switching means separately mounted RCDs are not necessary. Load cables are connected to the RCBO.

CURRENT RATING (A)	10kA 30mA CAT. NO.	10kA 100mA CAT. NO.	10kA 300mA CAT. NO.
6	XL6CR4P	XL6CR4P100	XL6CR4P300
10	XL10CR4P	XL10CR4P100	XL10CR4P300
16	XL16CR4P	XL16CR4P100	XL16CR4P300
20	XL20CR4P	XL20CR4P100	XL20CR4P300
25	XL25CR4P	XL25CR4P100	XL25CR4P300
32	XL32CR4P	XL32CR4P100	XL32CR4P300
40	XL40CR4P	XL40CR4P100	XL40CR4P300
50	XL50CR4P	XL50CR4P100	XL50CR4P300
63	XL63CR4P	XL63CR4P100	XL63CR4P300



**3 MODULE
4 POLE
RCBOs**



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