



Distribution



Protection



Transformers



Site Lighting

Experts in **high performance**
power and lighting products

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Blakley Electrics are a UK market leader in the design and manufacture of power distribution and protection equipment and lighting systems for use on construction sites.

We can advise on the application of all our products, from providing simple temporary lighting schemes to the design of high current distribution assemblies incorporating Smart Meters and Power Factor Correction.

Our standard Construction products are targeted at industrial projects, often where there is a requirement for a high IP rating or a heavy duty construction. We produce products for 110V, 230V and 400V applications.

Along with operational performance and safety, our range of power distribution and lighting systems help sites reduce their carbon footprint and their energy costs.

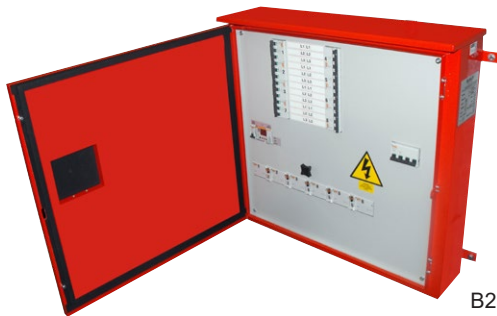
Many standard products are held in stock at our Customer Service Centres and can be ordered online. Enquiries can be forwarded to us from our website for standard or non-standard equipment where you will also find detailed product information, including general arrangement drawings, product data sheets, FAQ sheets, etc.

In addition to the standard products, we also manufacture variations to meet specific customer requirements. Typical customisations include:

- Upgraded IP ratings
- Specific dimensions
- Enclosure fabrication
- Special voltages and voltage ratios

If you cannot find the product you are looking for or would like to discuss any aspect of our equipment, please contact our Customer Service Centres who will be pleased to assist.





B2 MDA



B3 MDA



B6 MDA



Form 4 MDA

Mains Distribution Assemblies

MDAs are designed and manufactured in accordance with BS EN 61439-4 and key elements of the designs have been independently type tested, including bus bar systems, lifting arrangements, corrosion resistance, shock and vibration withstand, etc. A range of standard models is stocked which incorporate incoming devices from 100A to 1600A. We are able to make specific assemblies using a range of 9 standard enclosures in current ratings from 100A to 4000A. Assemblies rated up to 250A are presented in wall mounting enclosures with optional stands. MDAs rated at 400A are available in wall mounting or floor standing enclosures. Above 400A all enclosures are free-standing, double-sided.

B Series Mains Distribution Assemblies

Assemblies up to 200A rating, complete with a range of incoming and outgoing switchgear. Assemblies 400A to 1600A rating also feature MCCBs with electronic trips, which have a high level of adjustability and can be “set” on site. MDAs are also available with Test Sockets to facilitate safer on site testing.

Form 4 Mains Distribution Assemblies

Mains voltage Site Distribution Assemblies with full segregation between all functional units and bus bars, rated up to 3200A. Form 4 MDAs are usually project specific and made to order.

MDA with socket outlet

Mains Voltage Distribution Assemblies fitted with incomers up to 250A rating fitted with a variety of 230V and 400V sockets individually protected by MCB and RCCB.

E Series Mains Distribution Assemblies

Mains Voltage Site Distribution Assemblies, up to 125A rating, complete with a range of incoming switchgear.



Power Factor Correction Assemblies

PFC can be provided through the supply of a “main” PFC assembly, which is installed at the main site intake or through “local” PFC units to supply individual pieces of plant, such as tower cranes. Both types are fully automatic and incorporating capacitor banks, typically supplied in modules of 25 kVAR or 50 kVAR, which are controlled by a power factor control relay that monitors supply and alters modules connected accordingly.

Generator Interface Unit

Free-standing outdoor assemblies act as marshalling points for supplies from multiple synchronised generators enabling the number of running generators to be seamlessly matched to the load for maximum operating efficiency. Segregated Form 4 enclosures enable safe connection without supply interruption.

Enclosed Isolators

TP&N and 4P, rated up to 630A, designed to supply tower cranes and other items of heavy plant. Wall mounting, sheet steel, padlockable enclosures provide protection to IP 54.

Models also with two outgoing MCBs, to supply twin cage hoists.

All models incorporate a 32A 230V MCB / RCD to supply local floodlights, etc.

Protected Sockets 110V, 230V, 400V

Mains Voltage Industrial Socket Outlet Assemblies, rated from 16A to 125A, single or three-phase.

Sockets can incorporate RCD and Monitored Earth protection, with or without MCB protection. Additional mechanical or electrical interlock prevents insertion or withdrawal of plugs on load.

Assemblies supplied in all-insulated enclosures, mild steel or painted stainless steel enclosures.



Combined CT Chamber & RCD



ISIA Series



Sensor Based RCDs

Combined CT Chambers and RCDs are rated from 200A to 2000A and enable Temporary Builders Supplies to be terminated, metered and protected. The CT chamber is designed to house Current Transformers used to meter LV supplies and the RCD provides fault protection for the site.

ISIA Series Site Intake Assembly

Free-standing enclosures with wooden backboards designed to house the DNO Service Head, Meter, CT Chamber and Main Site RCD for Temporary Builders Supplies.

Made from GRP and supplied fully assembled but are demountable to facilitate easier removal from site at the end of a project.

ISIA housings are also available equipped with CT Chamber / RCD.

Standard ISIA Series rated from 400A to 1600A.
SSE ISIA Series rated from 800A to 1600A.

Sensor Based RCDs

Sensor Based RCD assemblies with overcurrent protection in ratings from 1A to 2000A, single or three phase, housed in steel or insulated enclosures.

A wide range of sensitivities is offered, including variable sensitivity units with time delay.



Standard Site Transformers

Power Transformers, 5 kVA and 10 kVA fitted with 16A and 32A 110V sockets, MCB protected and socket groups protected by RCD. Transformers have a 110V RLV output to supply power tools and other pieces of portable site equipment.

Slim Line Site Transformers

Rated at 5kVA single-phase and 7.5kVA three-phase, with Power and Lighting options.

Site Lighting Transformers

Transformers with hard wire connections to lighting circuits, with and without RCD protection. Lighting connections are configured for 3 core circuits, except for those with time clocks, which are configured for 4 core circuits.

Power and Lighting Site Transformers

Rated at 10 kVA, incorporating sockets to feed power tools and hard wired connections to feed dedicated 3 core lighting circuits. Sockets are MCB protected and hard wired circuits are MCB or MCB / RCD protected. Transformers have a 110V RLV output.

Mini Site Transformers

Ideal for sites where space is at a premium or where lifting with mechanical aids is impractical.

Portable Transformers

Providing a 110V RLV supply for power tools and temporary lighting. Ratings from 3000VA to 5000VA, housed in robust, all insulated GRP enclosures available with 16A and 32A sockets.

110V accessories including Powerline, Extension Leads, Cable, Plugs, Couplers & Sockets also available.



**i-Site Intelligent Site Lighting**

110V site lighting system, which minimises running costs and CO² emissions by monitoring movement and the light level in the immediate vicinity of each luminaire.

Flori 110V Plug-in Site Lighting

Developed for temporary site installations, 110V, 3 core or 4 core plug-in site lighting system comprises of 100 metre lengths of cable (Flori strings) with a moulded-on Flori-67/3P or Flori-67/4P outlet every 5 metres, 7 metres or 10 metres. A range of 110V luminaires and bulkheads is offered along with floodlights pre-wired with a matching Flori plug.

Loose and Pre-wired 110V Anti Corrosive Fittings

A range of LED anti-corrosive fittings, 110V, IP65, incorporating a high output LED light source, also available with i-Site movement and light level detection. Available pre-wired with a tee box, a 16A plug lead or supplied unwired.

Bulkheads and Twin Spot Emergency Lights

Suitable for all types of industrial and construction site lighting applications including illuminating hoardings and scaffolding.

Hi-Lite LED Festoon

Strings available in 22m and 50m lengths with maintenance-free 5W LED array.

Task and Portable Lights

LED 110V Lights and Tripods for task lighting and local floodlighting, designed to illuminate the darkest site.

Floodlights

A range of LED and Discharge luminaires for area and security floodlighting, 110V and 230V.



1. Leeds

Sales

2. Harlow

Manufacturing
Engineering
Design

3. Crayford

Manufacturing
Sales

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