

ELSTEEL SWITCHBOARD

SOLUTIONS TO 4000 A



Global strength

built on local knowledge

Legrand transforms the spaces where people live, work and meet.

We're meeting the world's technological, social and environmental challenges by pursuing our purpose: to improve lives with electrical and digital infrastructures and connected solutions that are simple, innovative and sustainable.

Legrand in the UK and Ireland

We have been manufacturing in the UK since 1980 and our six manufacturing sites create mechanical, electrical, electronic and digital solutions.

With specialist sales people who have a thorough understanding of your industry and our team of engineers on the road to help with project management, commissioning, maintenance and any post-build challenges, we're with you every step of the way.



At Legrand we are committed to improving lives and this means creating a more sustainable world for everybody.

To achieve this, reducing our carbon footprint and developing a circular economy approach within our activities are our priorities. In addition, we are committed to promoting diversity and inclusion, while being a responsible business in our day-to-day relationships with all our stakeholders, especially our employees, customers and suppliers.



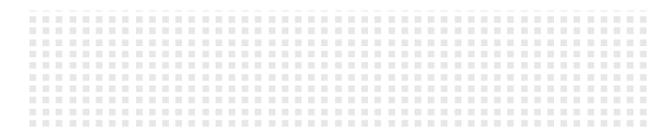
CRITICAL POWER EXPERTS

From cast resin transformers, through high power and rising main busbar to protection devices and uninterpretable power supplies - we provide market leading solutions to the increasing demands of today's buildings.

SUPPORT THROUGHOUT YOUR PROJECT

When you work with us you'll receive expert support at every stage. Alongside our specialist sales and technical support teams you'll also benefit from:

- Bank of technical information and data sheets on our website
- BIM files
- CPD seminars
- Drawings service
- Product Environmental Profiles (PEPs)
- Product training
- Site visits



LV SWITCHBOARD BS EN 61439-2



FEATURES

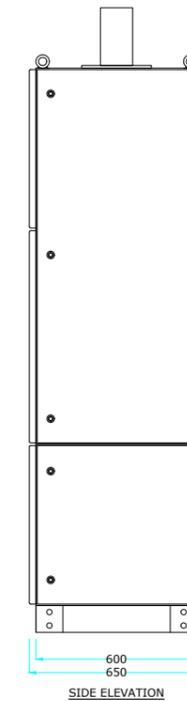
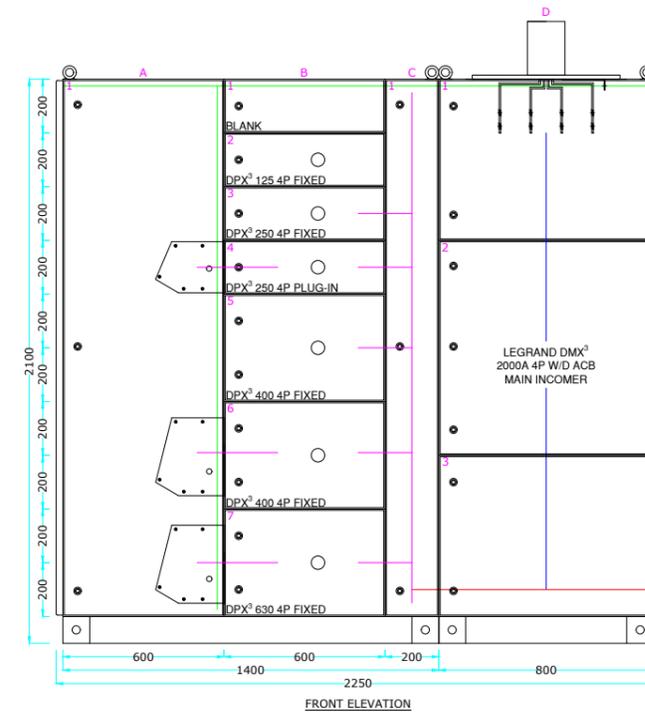
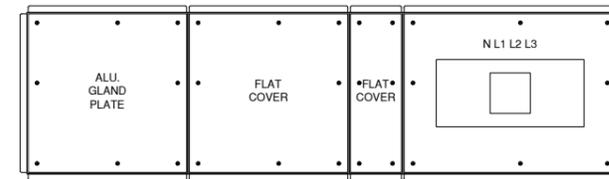
- Rated normal current Up to 4000 A
- Rated voltage 415 V AC
- Rated frequency 50/60 Hz
- Forms of separation Form 4 Type 7
- Degree of protection IP43
- Ambient temperature 40 degrees C
- Colour RAL 7035
- Icc rating (A) 70 kA
- Icw rating (A/Sec) 100 kA for 1 Second

BENEFITS

- Single or double stack options
- 800A, 1200A OR 1600A busbars
- Form b separation with incoming and outgoing cables shrouded
- High stacking density, up to 14 x 160A TP MCCBs
- Plug and play metering
- Type 1 or 2 surge arresters can be fitted to the incomer

Our products
can be utilised in
BS type fully verified
switchboard systems

Switchboard assemblies offer ingress protection of up to IP55 and form of separation up to Form 4 Type 7. They are suitable for connection to busbar systems up to 4000 Amps and certified for withstand up to 100 kA for 1 second. Independently verified in accordance with IEC / BS EN 61439-2.



COMPACT DESIGN
THAT LEADS THE
WAY IN ENERGY
MANAGEMENT &
AUTOMATION

SPECIFICATION

Form of separation
up to Form 4b or Form 4 Type 7

Degree of protection
IP43 (doors closed)

Busbar short-time withstand rating
Icw 100 kA for 1 second

Busbar current rating
Incoming 4000 A

Incomer types
Legrand 4000 A 4P DMX3 –
Fixed or withdrawable

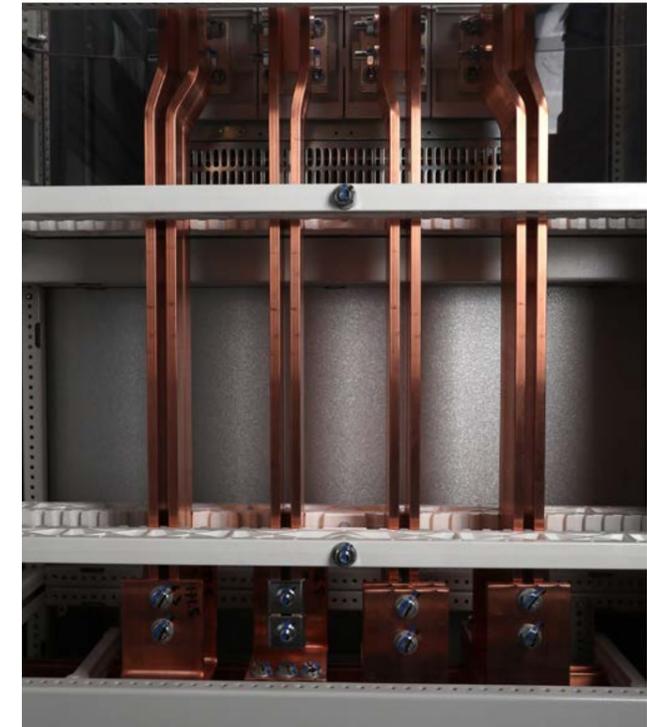
Ratings/Poles
25 – 1600 A outgoing MCCBs.
Choice of TM or Electronic trip
units. Fixed or plug-in

Our switchboard assemblies are ideal for commercial and industrial main circuit protection with Form ratings available up to Form 4B to IEC 61439-2, and Form 4 Type to BS EN 61439-2. The system is independently tested – ASTA Certificate 105492960 – to the latest version of IEC 61439-2. The switchboard also has the facility to be supplied with flanges for Zucchini busbar. Testing has proven the suitability of Zucchini busbar in conjunction with the Elsteel switchboard and Legrand protection devices.

SWITCHBOARD SOLUTIONS TO 4000 A

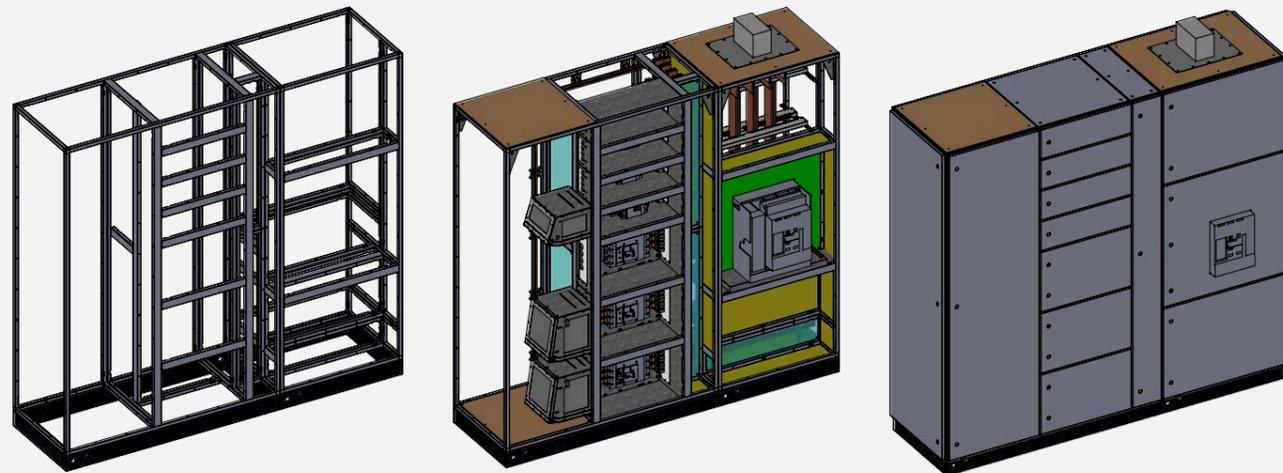


ACBs available to 4000 A

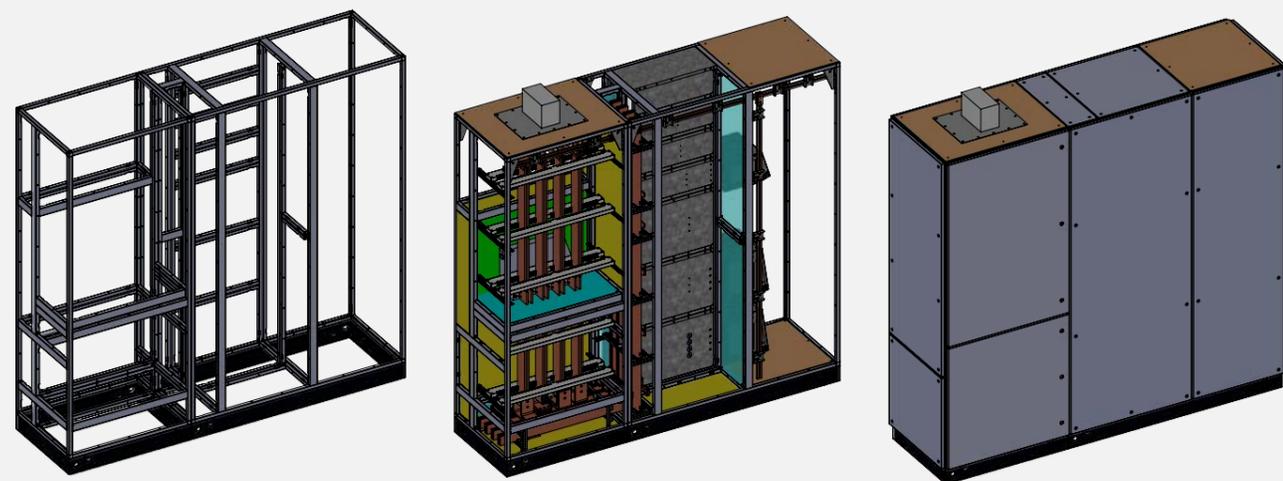


Busbars rated for 100 kA withstand

FRONT VIEW



REAR VIEW



Glanding boxes available for all outgoing devices



Withdrawable or fixed ACBs and plug-in or fixed MCCBs



Rotary handles available for all MCCBs

PROTECTION DEVICES



A COMPLETE PORTFOLIO FOR ANY INSTALLATION

Legrand offers ACBs, MCCBs and other protection devices, for complete circuit protection, operator safety, energy efficiency and reliability in critical power environments.

FEATURES

DMX³ ACBs 630 A to 6300 A

- Four breaking capacities: 42 kA, 50 kA, 65 kA and 100 kA
- All DMX³ breakers are factory equipped with protection units and option for embedded energy measurement
- Innovative and user-friendly touch screen tripping units
- Full range of fast clip control accessories

DPX³ & DPX³ HP MCCBs from 160 A to 1600 A

- Four breaking capacities: 36 kA, 50 kA, 70 kA and 100 kA
- Thermal magnetic and electronic

Options available include:

- 3 or 4 pole options
- Optional integrated metering
- Fixed, plug in or withdrawable options and earth leakage protection

KEY BENEFITS

- Circuit protection selectivity between DPX³/DMX³ electronic circuit breakers
- Full compliance with EN/IEC standard 60947-2 and 60947-3
- Compliant with European Directives REACH and ROHS and PEPs (Product Environmental Profile) available

DMX³: ACCURACY AND SIMPLICITY

Electronic protection units allow accurate adjustment of the various limits for current and time delay values. The result is effective protection against electrical failures while ensuring total selectivity with the downstream circuit breakers.

Fitted with batteries, they are used to monitor parameters and memorise data, even if the circuit breaker is de-energised. Thanks to the LCD display, measured current values can be monitored and incorrect adjustments logged.



DPX³ & DPX³ HP: RELIABLE PROTECTION AND MEASUREMENT

Suitable for all types of site, the DPX³ range includes four sizes of MCCB, for ratings between 16 A and 1600 A and breaking capacities ranging from 16 to 100 kA.

It also offers a wide choice of versions to suit all requirements:

- Thermal-magnetic or electronic releases according to the required level of protection
- Fixed, withdrawable and plug-in devices according to the required level of maintenance



DX³: ADVANCED PROTECTION

Packed with innovative functions and technical features, the DX³ range meets the needs of the most demanding residential, commercial and industrial installations in terms of safety, performance and selectivity.

Comprising MCBs, RCBOs, RCCBs and add-on modules, the DX³ range ensures the safety of people and property as well as maximum continuity of service.



To find out more visit: legrand.co.uk

A COMPLETE SOLUTION

FOR LV POWER DISTRIBUTION

CRITICAL POWER

BUILT FOR RELIABILITY

Legrand's advanced technology solutions are proven to deliver excellent reliability and service.

With a complete package from a trusted, global manufacturer, products that are designed to work together and support throughout each stage of your project, we can provide a power distribution system that is reliable, efficient and meets bespoke requirements.

All Legrand products are built with superior design and quality manufacturing and are delivered with service excellence to meet the demanding requirements of any building.

Cast resin transformers



To find out more about energy efficiency solutions take our CPD 'Creating an energy efficient electrical backbone.'
Visit to find out more: legrand.co.uk/cpd

CAST RESIN TRANSFORMERS

Green T.HE transformers guarantee a significant reduction in energy consumption, promoting enhanced economic savings and the reduction of CO2 emissions into the atmosphere.

HIGH POWER BUSBAR

Ranging from 630-6300 amps, our high power busbar is characterised by a smart and ultra-compact design that delivers up to an IP68 degree of protection.

UPS

Legrand's UPS range offers a variety of technological functions to guarantee maximum protection and uptime for all systems.

DMX³ AIR CIRCUIT BREAKERS & DPX³ MOULDED CASE CIRCUIT BREAKERS

The right protection for your high-performance installations with an optimum continuity of service.

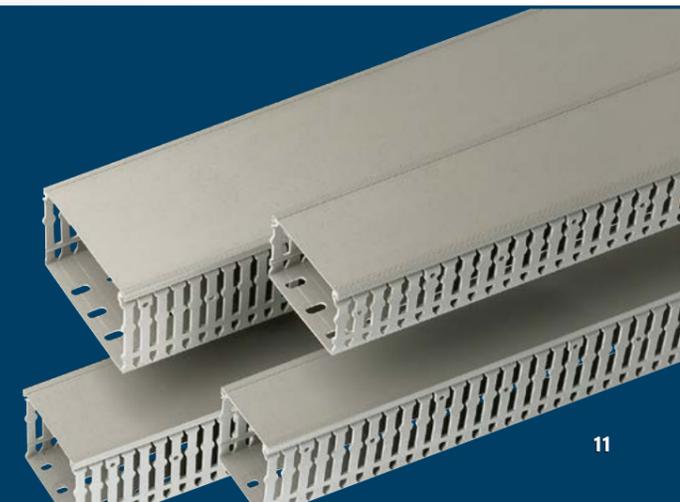
To find out more visit:



www.legrand.co.uk/en/solutions/low-voltage-solutions

ALL THE EQUIPMENT YOU NEED

A complementary range of products and accessories can be found on our website: legrand.co.uk



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