

XBoard Series — 630A Distribution Box

XBoard Series

Distribution Box for Commercial and Industry



EATON

Powering Business Worldwide



Provide complete series products for your electric power system

The Power of Eaton

Eaton's power distribution systems are designed to be as compact and energy efficient as possible while easy access for installation, operation and maintenance. Medium and Low Voltage Systems from Eaton are highly standardized systems supported by quick configurations, quoting facilities, and fast deliveries.

Efficient power distribution, requires strategic thinking, an intelligent system design, integration, coordination and control. Eaton has the know-how and the necessary experience for diagnosis, installation, modernisation and preventive maintenance of switchboard systems on site or via remote access.

No matter whether you need an individual electrical application or an integrated system, Eaton has the best solution to increase your electricity-related performance, to cut your operating costs and to maximize the operational availability, safety and integrative capacity of your system.

MV & LV ——— everything is covered by Eaton

Our experience as a full-line provider plays an important role in every field of application. Even where medium and low-voltage switchgear are used at the same time (in commercial buildings, shopping centres), Eaton has the right solution – from the medium-voltage systems such as the Power Xpert UX to low-voltage main distribution systems such as the Power Xpert DX right down to final distribution and sub-circuits with our new range of XBoard panel boards, we've got it all covered.

Reliable, safe and standardized design

Eaton's range of power distribution assemblies not only provides you optimum power distribution and motor control functionalities, they meet your most demanding requirements for safety and flexibility. When it comes to safety, Eaton's power distribution assemblies offer the highest level of protection.



XBoard Series Distribution Box

XBoard



Main breaker & Xpole miniature breaker



XBoard	1
Xpole breaker	2
Dimension	3

General overview

In modern era, the need for more efficient and energy saving solutions are vital in commercial and industrial electrical distribution systems to cope with increasing power loads and costs. The panelboard is at the core of such a system, whether acting as the main incoming switchboard or as part of the sub distribution.

Eaton's XBoard panelboards have evolved through an intimate knowledge and feedback from Electrical Contractors, Consulting Engineers and End Users to provide an efficient solution for commercial and industrial electrical distribution systems. Our XBoard series delivers safe, reliable and high performance protection of the electrical power distribution systems that meet regulations and standards.

Comprehensive Offering

Eaton has a comprehensive range of power distribution assemblies from a straightforward panelboard to complete modular switchboard systems.

Availability and Fast Delivery

Quick of the shelf stock or fast turnaround on standard factory assembled boards. Assembled option means installers have the benefit of all components already fitted and ready to install the board

Service Capability

- Configurator tool makes ordering assembled boards faster and seamless.
- Eaton offers the end users greater flexibility with the ability to specify delivery of the XBoard range as an assembled and unassembled option.

Market and segment applications

- Commercial buildings
- Industrial plants
- Multi-tenant buildings
- Data centres
- Institutions
- Laboratories
- Health care facilities
- Critical load applications

Panelboard options

- Different main incomer options
- Standard color RAL7035
- Protection class: IP42, IP66
- Pre-wired kits
- Extension boxes available

XBoard series: be created as classic work

XBoard Distribution Box



XBoard (XDB) integrates the best features of Eaton Echidna and Moeller device to itself. XBoard is custom designed and created focusing on specific field of application. By virtue of bran-new appearance design, unique performance and field adaptation, it can be called exemplary product. XBoard series is an integral system which has passed CCC quality certification and type test. XBoard system rated current reach to 630A, rated breaking capacity is 20kA.

Technical parameters

XBoard

Rated current (I_n)	6-250A	100-630A
Rated working voltage (U_e)	400V	400V
Rated insulation voltage (U_i)	690V	690V
Rated impulse withstand voltage (U_{imp})	8kV	8kV
Rated short withstand current (I_{cw})	10kA	20kA
Rated frequency (f_n)	50Hz	50Hz
Protection class	IP42/IP66	IP42/IP66
Sheet thickness	1.5mm/2mm (above 1000mm)	2mm
Box size (W*D*H)	580*200*750/1000/1250/1500	600/700/800 (W) 400/600 (D) 1600/1800/2000 (H)
Cable incoming / outgoing	Top/bottom	Top/bottom

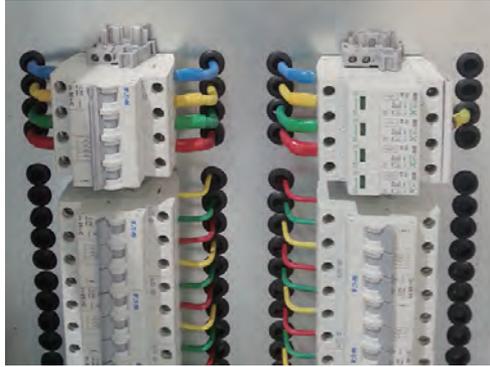


XBoard 250A

Features and benefits

With the customers' requirements and specification in mind, the XBoard provides a range of enhanced features and benefits including:

- Field reversible, hinged escutcheon
- Field reversible, lift off door with pintle hinges
- Flushed door handle
- Fully rated 250A neutral link with double screws
- Large, 530X130mm, opening with aluminum glandplate on top and bottom for cable entry/exit
- Space for up to 24X18mm DIN rail control components on top of the panelboards
- Wider troughs on both sides of the chassis for cable looms or duct
- 200mm depth allows for mounting of contactors and motor controls
- Fully shrouded, 250A main isolator with safety interlock to the escutcheon.
- Option 250A LZM2 MCCB as main switch
- Robust 2mm sheet steel enclosure construction.



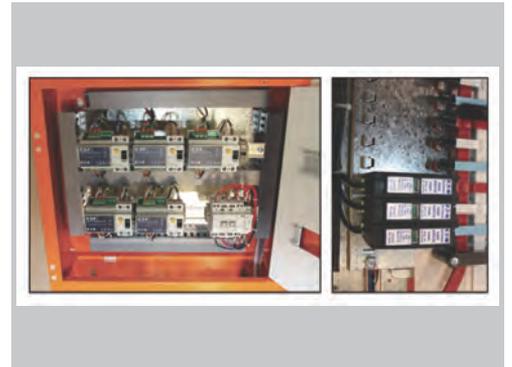
Spacious cabling capacity with 250A neutral



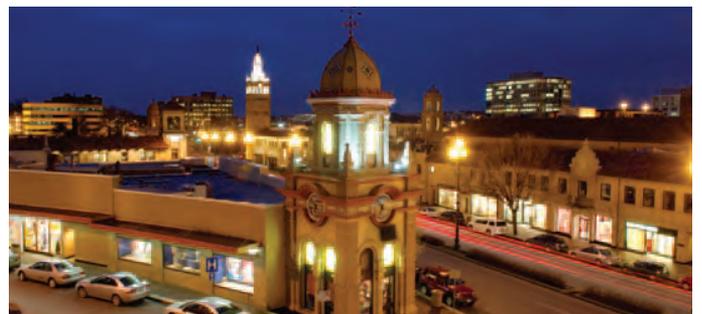
Field reversible, hinged escutcheon
Field reversible, pintle hinged door



DIN control components and main switch with escutcheon interlock



x-Equipment Box with raised DIN rails and slotted escutcheon



XBoard 250A

Size configuration

Description	Type	Pole	Width × Depth × Height
DIN XBoard 250A main isolator	XDB250D-18	18	580 × 200 × 750
	XDB250D-24	24	580 × 200 × 750
	XDB250D-30	30	580 × 200 × 750
	XDB250D-36	36	580 × 200 × 1000
	XDB250D-48	48	580 × 200 × 1000
	XDB250D-60	60	580 × 200 × 1000
	XDB250D-72	72	580 × 200 × 1250
	XDB250D-84	84	580 × 200 × 1250
	XDB250D-96	96	580 × 200 × 1500
DIN XBoard No main isolator	XDB250-18	18	580 × 200 × 750
	XDB250-24	24	580 × 200 × 750
	XDB250-30	30	580 × 200 × 750
	XDB250-36	36	580 × 200 × 1000
	XDB250-48	48	580 × 200 × 1000
	XDB250-60	60	580 × 200 × 1000
	XDB250-72	72	580 × 200 × 1250
	XDB250-84	84	580 × 200 × 1250
	XDB250-96	96	580 × 200 × 1500
DIN XBoard 250A MCCB	XDB250M-18	18	580 × 200 × 750
	XDB250M-24	24	580 × 200 × 1000
	XDB250M-30	30	580 × 200 × 1000
	XDB250M-36	36	580 × 200 × 1000
	XDB250M-48	48	580 × 200 × 1000
	XDB250M-60	60	580 × 200 × 1250
	XDB250M-72	72	580 × 200 × 1250
	XDB250M-84	84	580 × 200 × 1500
	XDB250M-96	96	580 × 200 × 1500
x-Equipment Box raised DIN rails and slotted escutcheon	XDBE250-D1S	Raised DIN rails, no.1 slotted escutcheon	580 × 200 × 250
	XDBE500-D2S	Raised DIN rails, no.2 slotted escutcheon	580 × 200 × 500
	XDBE750-D3S	Raised DIN rails, no.3 slotted escutcheon	580 × 200 × 750
	XDBE1000-D4S	Raised DIN rails, no.4 slotted escutcheon	580 × 200 × 1000
	XDBE1250-D6S	Raised DIN rails, no.6 slotted escutcheon	580 × 200 × 1250
	XDBE1500-D8S	Raised DIN rails, no.8 slotted escutcheon	580 × 200 × 1500

XBoard 630A

Features and benefits

- Field reversible, hinged escutcheon
- Field reversible, lift off door with pintle hinges
- Flushed door handle
- Fully rated 630A neutral link with double screws
- Large, 530X370mm, opening with aluminum glandplate on top and bottom for cable entry/exit
- Four hanging rings for easily product moving
- 400mm depth allows for mounting of contactors and motor controls
- The base can be equipped if needed onsite
- Option 630A LZM2 MCCB as main switch
- Robust 2mm sheet steel enclosure construction.

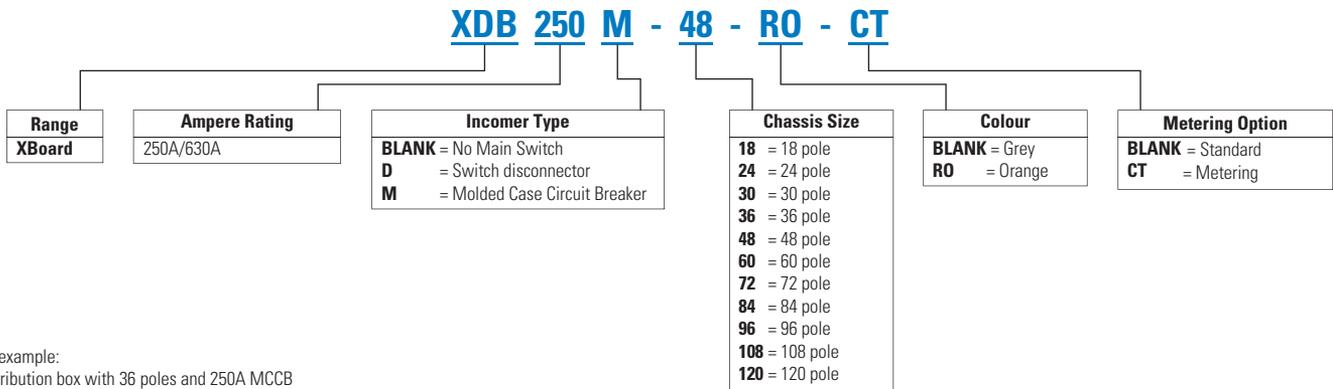
630A MCCB as main switch
Standard dimension: width 600mm, depth 400mm

#	Type	Pole	Height
1	XDB630 M-96	96	1600
2	XDB630 M-108	108	1800
3	XDB630 M-120	120	2000

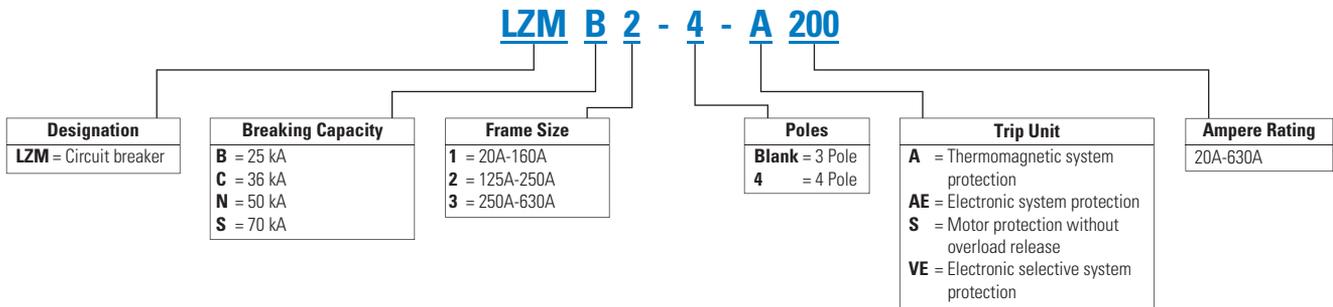
Special designs: Height: 2200 ~ 1000
Width: 800 ~ 400
Depth: 800 ~ 200

XBoard Series quick selection guide

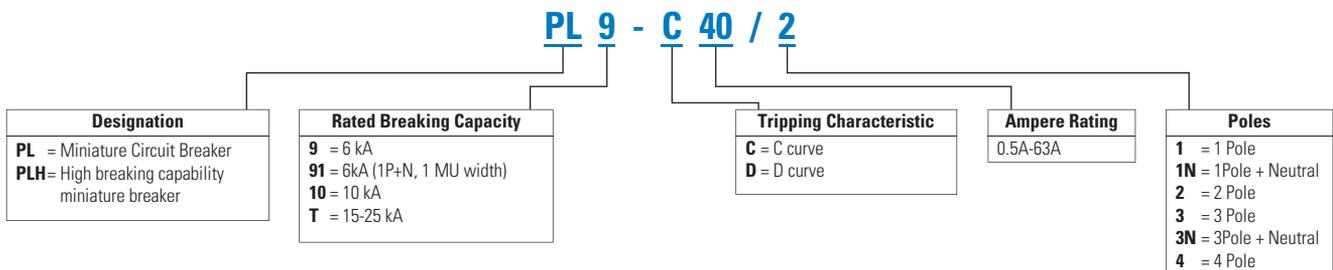
XBoard quick selection guide



LZM series quick selection guide



Xpole miniature circuit breaker quick selection guide



Eaton is a power management company with approximately 97,000 employees. The company provides energy-efficient solutions that help our customers effectively manage electrical, hydraulic and mechanical power more efficiently, safely and sustainably. Eaton sells products to customers in more than 175 countries. For more information, **visit www.eaton.com**.

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