Optimize performance and energy efficiency

Blokset LV switchboard solutions for power distribution and motor control

schneider-electric.com/blokset
More than 500,000 cubicles installed

Blokset LV switchboards are trusted by customers worldwide
Discover Blokset switchboard solutions

Enhanced safety and reliability within your reach

Embodying decades of expertise, Blokset™ solutions are engineered to be complete and personalized low-voltage (LV) switchboards for power distribution and motor control.

Blokset switchboards answer the need for operational safety in today’s high performance LV power applications. Versatile and durable, Blokset switchboards have the comprehensive capabilities and intelligence you need to keep your business competitive.
Discover Blokset switchboard solutions

Greater reliability, flexibility, and intelligence

Blokset solutions combine industry-leading features and designs with Schneider Electric™ support to make implementation and operation quick and reliable so that you can lower costs and realize a faster return on your investment. A fully functional switchboard with built-in intelligence for energy efficiency, Blokset is a simple and modular solution. It is easy to choose, intuitive to use, cost effective, and simple to install and upgrade.

Benefits at a glance

- High quality design for safety and performance
- High continuity of supply, even in severe environments
- Smart solutions for energy savings and optimized operation
- Pre-engineered modular architecture for easy implementation
- Quick return on investment
- Localized support and services for ease of ownership
Discover Blokset switchboard solutions

Safety and personalized solutions for diverse applications

Trusted worldwide for diverse industrial and infrastructural applications, Blokset solutions are personalized to fully satisfy different performance and harsh environmental requirements.

- Energy
- Commercial buildings
- Mining, metals, and minerals, cement industry
- Water and wastewater
- Oil and gas, chemical plants
- Railway and airport
- Data centres, healthcare facilities
Life is On | Schneider Electric

Electrical safety for personnel

Type-tested for high electrical installation and operational safety

With IEC 61439-1&2 and full type-testing by independent ASEFA- and LOVAG-certified laboratories, you can have the peace of mind that safety is engineered into every Blokset switchboard.

Discover

Blokset

Electrical safety

Reliability and performance

Intelligence for energy

Tool and services

Environmental responsibility

Range and characteristics
Greater safety through smart engineering and user-friendly operation

From conception through design, installation, and everyday operation, you can count on our commitment to maximize safety.

Withdrawable drawers have three safe positions — connect, test, and disconnected — to improve operator safety when connecting and testing.
Reliability, performance, and versatility

Schneider Electric inside: quality and compatibility

- All components and accessories are designed by Schneider Electric and manufactured to rigorous quality standards
- Compatibility between switchboards, functional units, and built-in devices is tested and validated
- Schneider Electric components have outstanding electrical and mechanical consistency and EMC
- Seamless retrofit from Masterpact NT-NW to Masterpact MTZ

A robust architecture, type-tested, standardized modules devices work together to improve functionality, continuity of supply, and installation reliability even in the very difficult conditions.
Reliability, performance, and versatility

High performance and efficiency

- Maximum busbar rating up to 7000 A
- Maximum rating of PCC up to 6300 A
- Maximum rating of MCC up to 250 kW
- Smart communicating devices for connected switchboards
- Compact design for higher stacking density and reduced footprint

Durability in difficult environments

- Anticorrosion: surface treatments on metallic sheets protect against corrosion and salt-spray
- Tin, nickel, or silver busbar coating on copper conductive parts for H₂S and SO₂ atmosphere withstand
- 2G version for seismic or high-vibration environment
Reliability, performance, and versatility

Diverse, pre-engineered designs: the right fit for diverse functions

Flexible and high quality, Blokset solutions offer extensive pre-engineered features to support fast and efficient installation, upgrading, and maintenance.
Reliability, performance, and versatility

Diverse, pre-engineered designs: the right fit for diverse functions

Flexible and high quality, Blokset solutions offer extensive pre-engineered features to support fast and efficient installation, upgrading, and maintenance.
Reliability, performance, and versatility

Diverse, pre-engineered designs: the right fit for diverse functions

Flexible and high quality, Blokset solutions offer extensive pre-engineered features to support fast and efficient installation, upgrading, and maintenance.

Versatile human-machine interface features

- Control mechanism on door panel or behind the door: touch screen, toggle, rotary handle or motor
- Individual drawer door or whole cubicle door
Intelligence for energy efficiency

Smart devices to improve productivity and energy efficiency

As stand-alone devices or fully integrated solutions, each plug-and-play energy monitoring, motor control, and power factor correction solution within Blokset switchboards offers advanced technology and outstanding capability.
Intelligence for energy efficiency

iPMCC by Blokset: integrated intelligence and smart panel capability

Greater efficiency and enhanced productivity
iPMCC by Blokset is a highly capable and advanced smart solution for fault prevention, protection, and automatic restart. It helps improve energy efficiency and reduce down time for continuous and critical processes.

- Save energy up to 15%
- Optimize motor performance
- Enhance control and monitoring
- Boost smart-grid integration

Download iPMCC brochure
Ease of ownership and support

Maximize ease of ownership through Schneider Electric support

**Schneider Electric supports you worldwide**

Schneider Electric is a recognized global leader in energy management and power protection. Together with our global network of Regional Equipment Units, we can deliver the products, services, and support you need to be at your most efficient. Our highly skilled service and support professionals help provide business-aligned results for a measurable return on your investment.

**Tools and support services**

- Auditing, consulting, and solution engineering

**Note:** In working environment, full operator safety measures should always be adopted.
Ease of ownership and support

Maximize ease of ownership through Schneider Electric support

Blokset panel builder network guarantees you optimum localized service

The Blokset offer can be supplied by licenced panel builders. Our partners, selected for their expertise, are trained and regularly audited by Schneider Electric to guarantee top quality equipment and support.

Note: In working environment, full operator safety measures should always be adopted.
Environmental responsibility

Green Premium™ equipment

- Ecologically designed and manufactured without hazardous materials
- Compliance with RoHS and REACh standards
- Designed for reduced carbon footprint and energy consumption
- Designed for optimal recycling and end-of-life management
## Range and characteristics

A complete offer for diverse applications

Blokset is a comprehensive range of switchboard solutions for power distribution and motor control. It comprises variable speed drives, motor starters, as well as power factor correction and harmonic filtering devices.

Click to see the full chart

<table>
<thead>
<tr>
<th>Designation</th>
<th>D</th>
<th>Dc</th>
<th>Mw2</th>
<th>Mf</th>
<th>Ms</th>
</tr>
</thead>
</table>
| All low-voltage power applications in one equipment | ![Diagram](image)

<table>
<thead>
<tr>
<th>Application</th>
<th>Power Control Centre</th>
<th>Motor Control Centre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Function</td>
<td>Incomer</td>
<td>Feeder</td>
</tr>
<tr>
<td>Type</td>
<td>Disconnectable</td>
<td>Withdrawable</td>
</tr>
<tr>
<td></td>
<td>Distribution PCC up to 6300A</td>
<td>Distribution PCC with PFC</td>
</tr>
</tbody>
</table>

PCC - Power Control Centre • MCC - Motor Control Centre • VSD - Variable Speed Drive • PFC - Power Factor Correction
## Range and characteristics

**Blokset intelligent switchboard specifications**

<table>
<thead>
<tr>
<th>General data</th>
<th>General data</th>
</tr>
</thead>
</table>
| • Applications: Power distribution and motor control  
• MCC: up to 250 kW  
• VSD: up to 160 kW  
• PCC: incomer & feeder up to 6300 A  
• PFC: up to 6 * 90 kVAR  
• Standards: IEC 61439-1 and 2, IEC TR 61641, IEC 60529 |

### Discover Blokset

- Electrical safety
- Reliability and performance
- Intelligence for energy
- Tool and services
- Environmental responsibility

### Range and characteristics