



Withdrawable Motor Control Centres



Saftronics manufacture and supply Motor Control Centres (MCCs) and Low Voltage Switchboards (LVSB) Type Tested and certified to comply with the requirements of BS EN 60439-1:1999 or BS EN 61439:2009.

“Saftronics can meet your requirements for both conventional and intelligent solutions.”

withdrawable MCCs

Saftronics withdrawable MCC and LVSB products can be protected up to IP54 in accordance with BS EN 60529. MCCs/ LVSBs can accommodate up to 7400 A and 690VAC supplies and are Fault Rated and Type Tested up to 120kA for 3 seconds or 150kA for 1 second. Arc Fault Containment to IEC / TR 61641 is available and the MCCs / LVSBs can be configured to comply with Seismic testing standards EN 60068 / IEC 68-3-3 and IEC 68-2-6.

Our withdrawable MCCs / LVSBs provide stacking densities of up to 17 circuits in a single column leading to smaller plant / switch rooms. Numerous mechanical design features ensure that plant and processes can be upgraded or interchanged with minimal downtime or disruption.

meeting your requirements

Saftronics withdrawable MCCs/ LVSBs are designed and manufactured to the highest, exacting standards and can be configured to fulfil all of your specific requirements including:

- Colours, heights and depths
- The MCCs & LVSBs are manufactured in individual columns and are extendable at either end of the MCC
- A wide range of instrumentation and metering
- Conventional or intelligent devices
- Local and remote control to PLCs or DCS
- Easy and safe handling of withdrawn equipment
- A wide range of data networks - Modbus, PROFIBUS, CCLink, Ethernet
- High flexibility and economic solutions
- Replacement of withdrawable units without shutting down a process
- Bespoke design when required



saftronics... we're in control





reliability

As a leading supplier of withdrawable MCCs to UK and international markets, you can rest assured that Safronics use the highest project management, engineering and manufacturing standards to deliver reliable, safe products through:

- Full and rigorous compliance with BS EN 60439-1:1999 or BS EN 6149:2009, BS EN 60529
- Compliance with process / machine safety to BS EN 60204-1:2006, BS EN 61508:2002 and BS EN 61511:2004
- State-of-the-Art precision-built enclosures and bus bar systems fabricated using the latest CNC technologies
- Carefully selected materials and components that are installed and tested within a controlled environment ensuring a long working life and maximum availability / reliability
- A rigorous integration testing programme to ensure that the products fulfil and exceed expectations

support

Safronics provide our clients with support services tailored to individual requirements including:

- Survey & reporting
- Thermo-graphic surveys
- Engineering design
- Delivery, erection and installation services
- Commissioning
- Maintenance and modifications
- Office and on-site technical support
- Call out service available within the UK
- Technical and operational training
- Warranties tailored to meet your requirements
- Detailed electronic or paper based Operation & Maintenance manuals

technical details

- Certified bus-bar and earth bars with fault ratings up to 120kA for 3 seconds or 150kA for 1 second
- Busbars are located at the top of the assembly as standard with options for the busbars to be located at the rear of the assembly
- Cable connections compartments with front and / or rear access
- Status indications for withdrawable units (connected, test and disconnected positions)
- Sturdy and reliable mechanical interlocks
- All compartments and withdrawable units can be mechanically coded and interlocked to prevent unintentional swapping of withdrawable units of different ratings

Fault rating	up to 150 kA for 1 sec 120 kA for 3 sec
Busbars	3, 4 pole rating up to 7400 A
Power supply	up to 690 V 3 phase 3 and 4 wire
Panel depths	600, 800, 1000, 1200 mm
Panel heights	2200, 2600 mm
Withdrawable-unit heights	100, 150, 200, 300, 400, 500, 600, 700 mm
Internal separation	Form 3b, 4b
Ingress protection	IP 30 to IP 54
Cabling	Access: front / rear Approach: top / bottom
Cable-connection compartment widths	400 mm (front access) 600 mm (rear access)
Standard service conditions	Indoors Peak 40°C 24-hour average < 35°C Minimum -5°C Pollution degree 3 Outdoors Peak 40°C 24-hour average < 35°C Minimum -25°C Pollution degree 3 Altitude < 1000 m

