MNS® and SlimLine XR Gold
Cost effective and connected

DISTRIBUTION SOLUTIONS

Power distribution for the global energy network is shifting, advances in digitalisation are enabling management of the increasing number of electrical loads through advanced analytics to ensure continuous, safe and reliable energy distribution.

The MNS portfolio has been providing digital solutions for over 30 years without losing focus on the traditional requirements for low switchgear applications.

Safety, reliability and connectivity

MNS with SlimLine XR Gold provides one of the most cost-efficient designs for energy distribution. Fully certified to IEC TR 61641 Class C means no compromise on safety for your personnel and plant. This coupled with ABB Ability™ and the predictive capabilities enables you to reduce downtime and operational costs.

Key features and benefits
• High stacking density of Slimline modules enables 30% footprint reduction compared to standard type switchgear solutions
• Up to 40% cost savings compared to withdrawable modules
• Fully certified to IEC 61439-2 providing improved performance and availability
• Fully certified to IEC TR 61641 Ed. 3
• Monitor and manage energy consumption anytime from anywhere through ABB Ability™ solutions on line or on site.

Continuous Operation
The integrated ITS2 makes it easy to monitor key electrical parameters with real-time monitoring.

Continuous diagnostics enables predictive maintenance to avoid downtime and the costs of unnecessary preventive maintenance. Alerts and notifications ensure quick response to potential problems, so performance and downtime are not compromised – enabling cost savings of up to 30%.

Why choose MNS with SlimLine XR Gold?

- Space saving
- Maximum section utilisation
- Measurement, communication and control
- Modular and scalable
- Cost-efficient
- Highest safety
- Ease of Installation
- Flexibility
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With Slimline XR Gold power losses have been lowered by up to 35%, this enables a higher stacking density than with the previous Slimline XR.

Advanced configuration logic provided by MNS Engineering tools enables simple configuration for the lowest CAPEX and smallest footprint from the MNS portfolio.

Features and benefits

Integrated and future-ready
• Easy, efficient power distribution
• Digital twin monitoring the electrical system from anywhere, anytime
• On premise and Cloud-based connectivity with ABB Ability™
• Asset condition reporting
• Power management reporting

Safe and reliable
• Real-time monitoring for: voltage, current, frequency, active and reactive power, power factor,

Fully certified to IEC 61439-2 and IEC 61641 providing highest availability and safety within it’s class

Reduced heat loss enabling a higher stacking density.

Overall footprint reduction of up to 30% with XR Gold compared to the previous solutions

Options available for reduced depth and Duplex sections enabling further footprint savings

Online re-configuration of switchgear, where operational procedures allow

ABB Ability™ integration enables optimisation of your energy consumption, predictive maintenance with digital twin technology

MNS Digital and ABB Ability™

Integrated and future-ready
• Constant condition monitoring: temperature, switch position
• Circuit breaker and Fuse monitoring functionality
• Total safety concept that fulfills the highest requirements

Enhanced design and performance
• Enabling real-time monitoring of power losses and temperatures
• Monitoring energy flow and energy consumption
• Enabler for predictive maintenance
• Reduced maintenance cycles and maintenance costs