MNS® Rear Low-voltage switchgear
with stacked 2 and 3 ACBs

Release Note

With the newest stacked 2 and 3 ACBs MNS Rear, not only for less footprint but also with:

**Maximum safety**
- The outstanding passive arc protection design and complete type tests effectively guarantee the safety of operators and the reliability of equipment operation.

**Design-verified**
- Using the standard MNS universal panel design, system meets highest standards.

The withdrawable design, providing the highest availability and reliability thus minimizing any loss from an unexpected downtime.

Online re-configuration, where operational procedures allow. Access to cable separated and from rear side for highest operational safety.

**Digital option**
- Industry 4.0 ready – using digital devices that seamlessly integrate into the ABB Ability™ digital portfolio.

**Flexible and bespoke**
- Integrates seamlessly to the wider MNS portfolio.

**Products replaced**
- None

**Production site**
- China
- Egypt
- Italy
- India
- Poland
- United Arab Emirates

**Sales configurator**
- MNS Engineering V9.9
- MNS Pro R2.4

**Availability**
- Offer and delivery from December 2020

**Contact persons**
- Your normal sales representative
- Your local product specialist or PMD
- Neil-Naitao Zhang, Global Product Manager, MNS Rear, LV Switchgear
- Ajit Arun Deshpande, Global Product Marketing Manager, LV Switchgear
- Paolo Cortese, Global Product Marketing Manager, LV Switchgear
- Scott Douglas, Global Product Marketing Manager, LV Switchgear
- Robertino Scorrani, Global Product Marketing Manager, LV Switchgear

ABB’s MNS platform for switchgear has been evolving for over 40 years. Since its inception, the MNS design has focused on the fundamental principles of safety, reliability, modularity and scalability.

Rear access technology in MNS assembly enables space optimized and cost efficient power center and MCC application.
MNS Rear offers a range of benefits.

The space-saving design means that it is possible to achieve a further footprint reduction of up to 60% compared to standard single ACB design.

Integration of digital devices to gather and report data from the electrical system. This information is available in the ABB Ability Condition Monitoring or any other energy management system and be used to achieve operational savings through increased efficiency.

Why choose MNS Rear

- **Space saving**
- **High power density**
- **Hot swappable**
- **Modular and scalable**
- **Measurement, communication & control**
- **Ease of installation and maintenance**
- **Safety is a priority.**

As with all MNS solutions, MNS Rear is fully arc fault containment tested and certified acc. to IEC TR 61641 Ed.3 criteria 1 to 7.

MNS Rear enables quick and simple installation. Once installed, the system can be easily accessed, reconfigured and maintained with cable access segregated at the rear.

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<td>2300 mm</td>
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<td>600, 800, 1000 mm</td>
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<td>1000, 1200, 1400 mm</td>
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* Depending on the electrical equipment.
** Stacked 2 ACBs and one is E4.2 3200, details refer to EG 1TNAB10066