
TriLine-R

Switchgear Cabinet System

TriLine-R Switchgear Cabinets – Simple, fast and safe

TriLine-R stands for simple systems that can be planned quickly and are safe to use. The TriLine-R switchgear cabinet system is a future-oriented development. The system has a modular design, and is equally suited for use in all areas of electrical energy transfer and distribution, as well as control technology, with no restrictions. TriLine-R is a system solution that fulfils all technical requirements and takes all economical aspects into account.

The cabinet profile made from galvanized steel is profiled 36 fold, which together with the newly developed corner piece, provides a solid basis for the highest level of stability and torsional resistance. The profile grid dimensions in accordance with DIN 43660 (25 mm and 12.5 mm) and internal grid dimensions according to DIN 43870 (H = 150 mm/ W = 250 mm) enable unrestricted installation of equipment in any position.

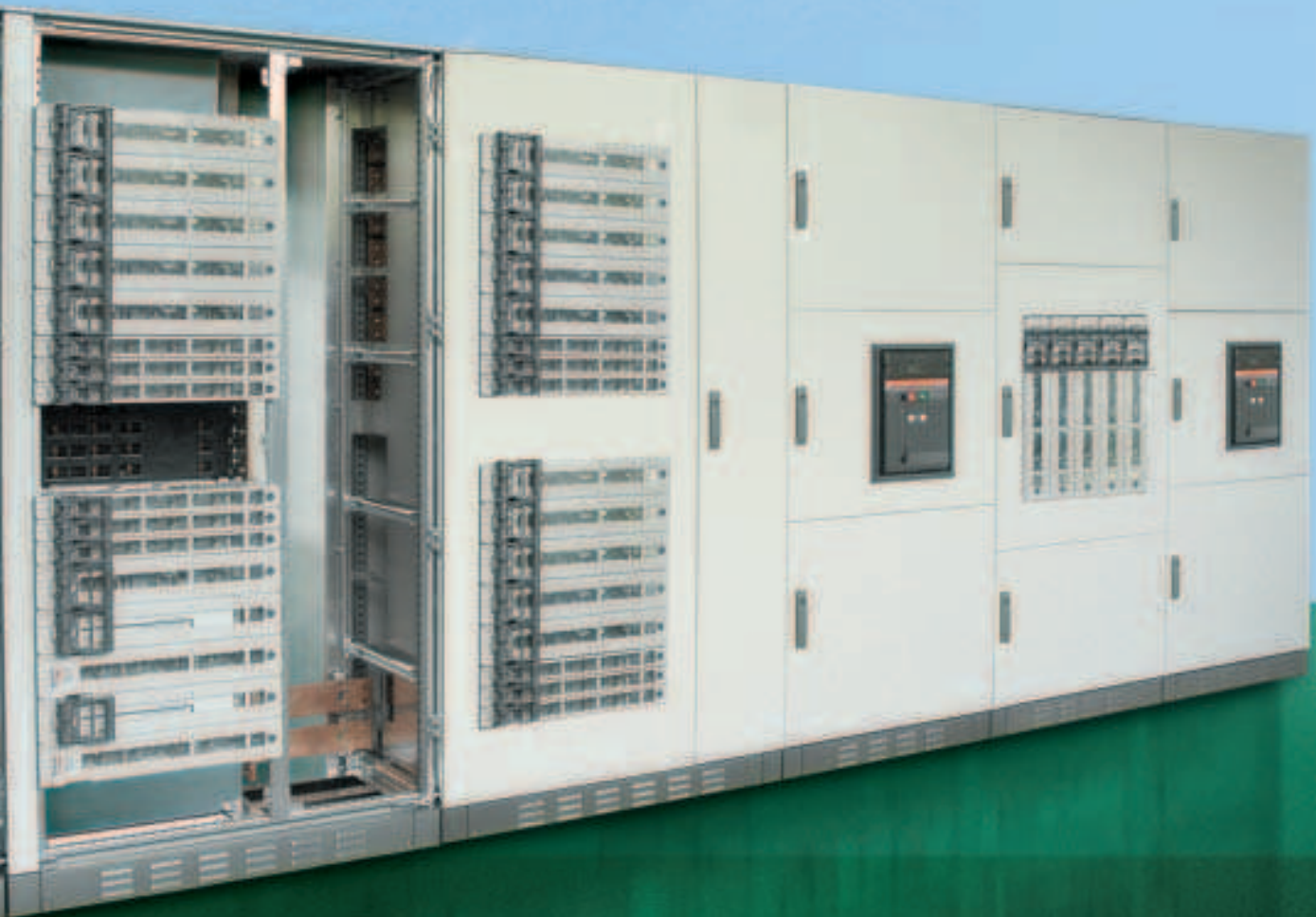
All system components have been developed to enable versatile use, with optimized technology to minimize the complexity of installation. Standardised external cladding, such as doors with safety glass or sectional doors in various sizes, guarantee optimal user friendliness.



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Installation variants

One System – For many configurations

We are fully committed to our modular concept. The idea behind the concept is to enable the maximum number of applications with just a small number of products. We have continued this economical concept in the development of products for the TriLine R switchgear cabinet. The TriLine-R switchgear cabinet system is a future-oriented development. The system has a modular design, and is equally suited for use in all areas of energy transfer and distribution, as well as control technology.



TriLine-R – Example configuration as a power distribution board



TriLine-R – Example configuration as an installation distribution board

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Personal and system safety

Personal and System Safety – Play it safe

Ensuring a safe and reliable electricity supply is the central requirement of low-voltage switchgear combinations, as well as a general prerequisite for economic performance. A high level of safety is a central feature of all TriLine-R switchgear systems.

Customer requests and market demands were taken into account in the development of TriLine-R, resulting in a type-tested switchgear system developed in accordance with the relevant specifications of DIN EN 60439-1, with a rated current of up to 4,000 A.

All type tests were carried out by an independent testing institution. The results and test conditions are confirmed in test reports, and are a prerequisite for the production of type-tested low-voltage switchgear assemblies (TTA).

These TTA tests provide planners, panel builders, engineers and operators in industrial and service sectors with the highest possible level of system and personal safety.

Furthermore, in switchgear assemblies in enclosed structures, personal and system safety can be further increased through the forms of internal separation. We offer a variety of expansion sets for the TriLine-R system, through to the highest variant, the form 4b.

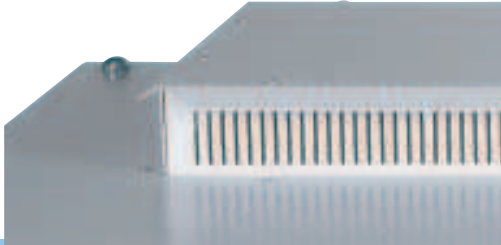


Maintenance-free busbar connections guarantee optimum contacting and hence a higher level of safety, availability and economy.

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Personal and system safety

Special ventilation systems provide perfect cooling in type-tested standard cabinets.



Maximum protection up to form 4b due to separating walls and partitions



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The position of the main busbars increases personal safety and ensures low internal temperatures.