

Rittal – The System.

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Crucial for panel builders and
switchgear manufacturers!

► The new Low Voltage Directive

New features and requirements as of 20 April 2016



LVD 2014/35/EU

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With effect from 20 April 2016, the new Low Voltage Directive (LVD) 2014/35/EU will replace the predecessor Directive 2006/95/EC. The LVD applies to electrical equipment between 50 and 1000 V AC or 75 and 1500 V DC. The LVD aims to ensure a high level of protection of health and safety of persons, domestic and farm animals, and property.



What's new?

The new LVD considers in greater depth the placing of a product on the market. Who plays which role in the process of placing a product on the market, and must perform the duties associated with that role? It calls for further measures, such as a risk analysis or additional labelling, designed to improve consumer protection.

- Performance of a risk analysis and assessment
- Additional labelling of products and references to potential dangers in processing, use and operation
- Documentation must be available in the respective official languages of the EU Member States where the product is marketed



What does this mean for me as a panel builder and switchgear manufacturer?

The manufacturer/distributor of the control and switching system must meet the requirements of the LVD. If the system is part of a machine, the protection objectives of the LVD must be met, but the assessment of conformity, distribution and/or commissioning is regulated by the Machinery Directive.

- Which manufacturer's full address is displayed on the control and switching system?
- For which Member Country is my switchgear intended?
- Is my switchgear part of a machine?
- Which product standard (EN 61439, EN 60204 or national standard) applies to my product?



As a panel builder and switchgear manufacturer, what do I have to do?

Prepare all the necessary documents, including a risk analysis, required for use or application of my product. Reference must be made to potential residual risks which cannot be remedied by the design. The use of EN 61439 or EN 60204 makes risk analysis easier, since applying the standards and consistently implementing their requirements will already have eliminated many of the risks by technical measures or by testing.

- Provide the general technical documentation in the required official language
- Comply with the requirements of the applicable product standard
- Prepare a product risk analysis
- Remedy potential risks
- Refer to residual risks in a safety data sheet

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Standard-compliant manufacturing of controlgear and switchgear

Using harmonised standards when manufacturing low-voltage controlgear and switchgear, such as EN 61439 or EN 60204, is an easy way of declaring conformity with the Low Voltage Directive. The Rittal modular system makes it very easy to prepare a design verification to EN 61439, which also satisfies some of the requirements from EN 60204.



Standardised modular product system

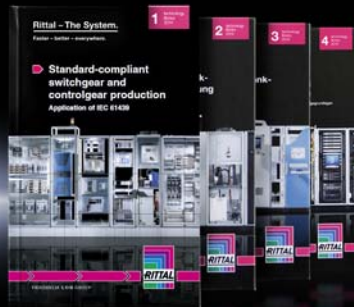
A control and switching system is often a system comprised of enclosures, power distribution components, climate control solutions, switchgear and controlgear.

- Enclosures AE, CM, KS, SE 8, TS 8
- Power distribution components RiLine and Ri4Power
- Air cooling, cooling units



Software

Rittal Power Engineering and Rittal Therm assist with the manufacturing of standard-compliant controlgear and switchgear.



Technology

The Rittal technical library contains compact knowledge on all aspects of controlgear and switchgear.



More information

on the new Low Voltage Directive can be found on the Internet at: www.rittal.com/nsr2014

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