GOSSEN METRAWATT

IMPLEMENTATION OF THE DIN VDE 0701-0702 STANDARD AS DIN EN 50678 AND DIN EN 50699

The adoption of European standards as national standards is mandatory and, at the same time, any conflicting national standards must be must also be rescinded. The adoption of European standards as national standards is mandatory in all of Europe's 34 CENELEC member countries, although actual application of the standards remains voluntary. The goal is to increase uniformity with regard to standards in Europe in order to strengthen the European common market, and to reduce non-tariff trade barriers.

This applies in the case of the DIN VDE 0701-0702 standards, which were consolidated in 2008. Due to the different scopes of application of the national standards, the committees established within CENELEC during the course of preparation provide for subdivision into two standards, namely **DIN EN 50678 (DIN VDE 0701)**, "General procedure for verifying the effectiveness of the protective measures of electrical equipment after repair" and **DIN EN 50699 (DIN VDE 0702)**, "Recurrent test of electrical equipment".

The first step was to vote on **DIN EN 50678 VDE 0701:2019-05**. None of the 34 CENELEC member countries rejected the standard. There were 22 abstentions and 12 countries voted in favor of the standard. The results of the vote were thus affirmative and implementation will begin during the first quarter of 2020 or close to that time.

The following countries voted in favor of the standard:

- AT (Austria)
- CH (Switzerland)
- DE (Germany)
- S (Spain)
- FI (Finland)
- IT (Italy)
- LT (Lithuania)
- PL (Poland)
- PT (Portugal)
- RO (Romania)
- RS (Serbia)
- SI (Slovenia)

Implementation in these countries can be expected in the short term.

DIN EN 50678 VDE 0701:2019-05

General procedure for verifying the effectiveness of the protective measures of electrical equipment after repair

This standard describes test procedures for verifying the effectiveness of basic protective measures for electrical equipment after repair, and thus for ensuring the safety of persons carrying out repairs to electrical equipment and persons using repaired equipment.

This standard can thus also be used to implement European Directive 2009/104/EC concerning the minimum safety and health requirements for the use of work equipment by workers at work.

This standard applies to devices which are connected via a plug or which are permanently connected to branch circuits with rated voltages of more than 25 V AC and 60 V DC up to 1000 V AC and 1500 V DC, and current up to 63 A.

This standard applies to all electrical equipment with the exception of:

- Type tests, routine tests and acceptance tests for product safety requirements and product function requirements
- Devices and operating equipment which constitute integral parts of fixed electrical installations. In the case of these devices, IEC 60364-6 covers testing for verification after repair.
- Audio/video, IT and communication equipment
- Uninterruptible power supplies (UPSs)
- Charging stations for electromobility
- Power packs
- Programmable logic controllers (PLCs)
- Drive units
- Equipment for EX-zones or for mining applications in general
- Products already covered by standards which deal with similar issues, e.g. medical devices covered by IEC 60601-1. In the case of these devices, IEC 62353 covers testing for verification after repair.
- Arc welding equipment per IEC 60974-1. In the case of these devices, IEC 60974-4 covers testing for verification after repair.

CENELEC

The European Committee for Electrotechnical Standardization (CENELEC) is a private-law association pursuant to Belgian legislation and is responsible for European standardization in the field of electrical engineering. Together with CEN and ETSI, all three organizations are responsible for standardization in Europe.

As has been the case since 1972, the objective of CENELEC is and remains the harmonization of national standards in the individual member countries through the uniform introduction of European standards.

CENELEC facilitates market access at both the European and international levels by adopting international standards wherever possible through close cooperation with the International Electrotechnical Commission (IEC) under the Frankfurt Agreement. In an increasingly global economy, CENELEC promotes innovation and competitiveness, and makes technology available industry-wide through the development of voluntary standards. CENELEC's members come from national standards organizations in 34 European countries.

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