

IEC 60664 COURSE

The IEC 60664 course offers a comprehensive overview of the standard, combining key fundamentals with advanced aspects of insulation coordination. Through practical examples, team exercises, and industry insights, participants gain both solid knowledge and hands-on understanding for effective implementation.

DURATION: 2 Days, 8 h/day incl. breaks

LANGUAGE: English or German

COURSE CONTENT

IEC 60664-1 Concepts

- Transient, steady-state and peak voltage definitions
- Overvoltage categories
- Pollution degree and impact on isolation
- Solid insulation and characteristics
- Comparative tracking index and the relation to IEC 60112
- Environmental impact on creepage and clearance

IEC 60664-1 Design for insulation coordination

- Dimensioning of clearance and creepage distances
- Defining creepage and clearance distances
- Factors that can influence comparative tracking index and impact on PCB design
- Factors that can reduce the isolation requirements

IEC 60664-3 Considerations of potting & conformal coatings

- Design requirements
- Consideration of different coating types
- Coating tests, temperature conditioning and polarizing voltage

IEC 60664 Series: additional considerations

- IEC 60664-4 Considerations of high frequency theory and design
- IEC TR 60664-2-2 Considerations of Protective control methods
- Relationships to other standards of IEC 60112 and comparative tracking index
- Detailed industry examples and relation to IEC 60664-2-1

TARGET AUDIENCE

Product safety engineers, compliance engineers, product designers, regulatory approval staff, production support engineers, quality assurance staff.

PREREQUISITES

This course is suitable for delegates with no prior knowledge of IEC 60664 or can be customised for a more experienced audience.

FURTHER INFORMATION

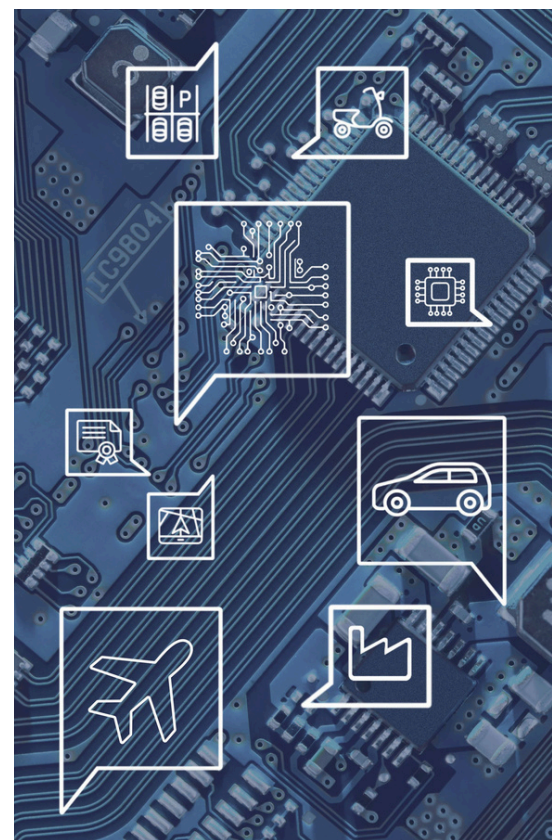
Online or in-person interactive expert-led training. Workshop extension possible. On request we grant a discount for group bookings.

Your partner for functional safety and regulatory compliance.

IEC 60664

INSULATION COORDINATION:

Equipment within low-voltage systems



This training can be complemented by a **4-hour workshop** focusing on practical examples, either provided by your team or prepared by Lorit.

We are happy to work with your organization to develop **customized and cost-effective training** that meets your requirements in terms of date, timing and content.

PLEASE CONTACT US FOR YOUR BOOKING OR ENQUIRY:

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