

Electrical Safety for Electricians

Safe operation of electrical installations up to 52 kV

This training corresponds to the German occupational safety and health act (ArbSchG) and accident prevention regulation (DGUV) as well as the Commission for Electrical, Electronic & Information Technologies (VDE).



Course Date and Location

On request, at your company

Who should attend ?

Only “qualified” workers can operate, perform maintenance and repairs of electrical equipment. This course is intended for any **skilled personnel (Elektrofachkraft)** or that are responsible for safety in the workplace.

Personnel in any industry whose job involves designing, reviewing, evaluating or installing electrical systems, including: designers, installers, engineers, electrical contractors, technicians, project managers, safety managers and inspectors.

Gaining hands-on experience and enhancing technical skills will add long-term value to your business and career.

Introduction

You know it's important to comply, but sometimes it's hard to know where to start. That's where our Electrical Safety Training Course can help. Our safety experts translate regulations on electrical safety into terms you can use, and show you how to put them into practice. Employers in Germany are required by statute to provide training to supervisors and employees on measures to prevent occupational accidents, occupational diseases and work-related health hazards.

Scope

Electrical installations are designed for the generation, transmission, conversion, distribution and use of electrical power. Some of these electrical installations are permanent and fixed, such as a distribution installation in a factory or office complex, others are temporary, such as on construction sites, and others are mobile or capable of being moved either whilst energized or whilst not energized nor charged. Examples are electrically driven excavating machines in quarries or open-cast coal sites.

This training is designed for the safe operation of and work activity on, with, or near these electrical installations. These requirements apply to all operational, working and maintenance procedures. They apply to all non-electrical work activities such as building work near to overhead lines or underground cables as well as electrical work activities, when there is a risk of electrical danger.

The training does not apply to ordinary persons when using electrical installations and equipment, provided that the installations and equipment comply with relevant standards and are designed and installed for use by ordinary persons.

Learning objectives

The Course introduces electrical hazards in the workplace and describes how to avoid electrical hazards and how to analyze and document shock and arc flash hazards. Explains how to plan and conduct work around electrical shock and arc flash hazards and how to select the specialized personal protective equipment (PPE) required for electrical work.

- Current standards and regulations for workplace safety
- DIN VDE 0105-100, EN 50110, DGUV V3, ArbSchG

- Basic terminology
- Personnel, organization and communication
- Operational procedures, safe switching
- Electrotechnical qualifications and responsibilities

- Basic principles of gas- and air-insulated Switchgear
- SF6 -Sulfur Hexafluoride

- Hazards and effects of electrical current on the human body
- Electric shock
- Arc flash

- Safe work practices
- Job safety analysis (JSA)
- Requirements before starting electro-technical works
- Working zones, Minimum safe approach distance to electrical conductors
- Dead working procedures according to the “Five Safety Rules | 5 for Live”
- Lock Out / Tag Out

- PPE – Personal protective equipment

- Safety and health symbols (ASR A1.3)

- Electrical emergencies

- Electrical fire (VDE 0132)

- Electric shock treatment

Your Expert

B. Eng. Florian Pusch (VDE)

Bachelor of Engineering, Co-Author "Schaltberechtigung (VDE-Schriftenreihe 79)",
Managing Partner of Pusch & Partner, Member of the VDE.

Certificate

Each participant will earn an individual Certificate of Attendance, confirming your course knowledge.

This course assists in meeting the mandated training requirements of DIN VDE 0105-100, German occupational safety and health act (ArbSchG) and accident prevention regulation (DGUV).

Send your request

Complete the form below to submit your course registration request. We will contact you to complete your registration process.

Email info@sicher-schalten.de

Training Date Electrical safety training
On request

Company Name

Name

Address

Email

Phone

Date & Signature
