

# Is 3C certification mandatory for low-voltage switchgear



## Overview

3C mandatory certification, also known as "China Compulsory Certification", is the certification standard required by the Chinese government for 132 types of electrical products in 19 categories, including low-voltage electrical appliances and small power motors, which are. 3C mandatory certification, also known as "China Compulsory Certification", is the certification standard required by the Chinese government for 132 types of electrical products in 19 categories, including low-voltage electrical appliances and small power motors, which are. Affected products generally require CCC certification in order to be approved for import and distribution in China. Among the recently announced or newly effective standards is (1) GB/T 14048. 3-2025, Low-voltage switchgear and controlgear – Part 3: Switches, isolators, disconnecting switches and. On March 31, 2026, the China Certification and Accreditation Administration (CNCA) Low-Voltage Electrical Equipment Technical Expert Group (TC06) published three decisions updating the compulsory certification (CCC) requirements for low-voltage electrical equipment. The revised standards entered. China has published CNCA-C03-02:202X Implementation Rules for Compulsory Product Certification Low-voltage apparatus Low-voltage components. It specifies the following issues on China Compulsory Certification (CCC) of low-voltage components: scope of application, base standards, certification. In an update to product certification standards, the low-voltage switchgear and controlgear industry in China will now adhere to the newly established GB/T14048. Prior to this date companies could undertake self-declaration however this is no longer possible, and companies must obtain China Compulsory.

## Article Content

Reference Manual Control Panels compliant with IEC Standards and ...

The information in this manual is intended as an aid to users in practical issues concerning the planning, manufacture and operation of electronic low-voltage switchgear and controlgear assemblies.

China Updates CCC Certification Requirements for Low-Voltage

On March 31, 2026, the China Certification and Accreditation Administration (CNCA) Low-Voltage Electrical Equipment Technical Expert Group (TC06) published three decisions

Low Voltage Switchgear Testing

What Is Low Voltage Switchgear? Low voltage switchgear refers to electrical equipment used to distribute and control electrical power at voltages typically below 1000V. It includes various devices

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China CCC Standard for Switches and Control Gear | TÜV SÜD

Since 1 March 2024, GB/T 7251.2 - 2023 for low-voltage switchgear and controlgear assemblies: Power switchgear and controlgear assemblies, will be the new mandatory product certification standard for

2026 Low-Voltage Industry Statistics | 100+ Research

Low-voltage systems are turning into the quiet efficiency engine behind smarter grids and safer facilities, from low-voltage inverters driving solar

300kV/200kVA Variable Frequency Series Resonant Withstand Voltage ...

In overseas 220kV GIS substation construction and high-voltage cable laying projects, a lightweight, low-power-demand 300kV 200kVA variable frequency series resonant withstand voltage system is a

2026 Surge in Demand: 4P Air Circuit Breakers for Commercial PV

For decades, 3P Air Circuit Breaker s were the default mainstream for general industrial low-voltage main switchgear. Thanks to their simple structure and lower manufacturing cost, 3P ACBs

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China Low Voltage Components CCC Certification reinstated

Prior to this date companies could undertake self-declaration however this is no longer possible, and companies must obtain China Compulsory Certification (CCC) through third-party

CEN-CENELEC

CEN and CENELEC are business catalysts in Europe, removing trade barriers for European industry and consumers in order to foster the European economy in

TECHNICAL SPECIFICATION FOR EMERGENCY DIESEL

Lead Acid storage batteries for Motor vehicles. Low voltage Switchgear & Control Gear assemblies. Low Voltage Fuses: Supplementary requirement for fuses for Industrial applications. Classification of

Electrical standards and approved codes of practice

Listed below are some commonly used electrical standards and approved codes of practice. Additional standards and codes of practice would generally be needed to satisfy a specific application - it is the

What are the main international standards for low

The 3C certification is the most fundamental safety certification standard within China. Any product that falls within the mandatory certification

China: New compulsory product certification standard for switches and ...

Since 1 March 2024, GB/T 7251.2 - 2023 for low-voltage switchgear and controlgear assemblies: Power switchgear and controlgear assemblies, will be the new mandatory product certification standard for

China: New CCC rules for low voltage components

The full text of the proposed law can be accessed [HERE](#). To find out more about product compliance in China and the CCC certification for low-voltage components, please contact the

What are the main international standards for low

3C is the abbreviation for the certification mark "CCC," which stands for "China Compulsory Certification." The 3C certification, or China Compulsory

CNCA-C03-02:202X Implementation Rules for Compulsory Product ...

This document applies to low-voltage components that can turn on and off electric circuits manually or automatically according to external signals and requirements, intended for switching,

CCC certification

CCC Certification is equivalent to the 3C Certification. The 3C Certification, known as China Compulsory Certification, is a product conformity assessment system implemented by China government, for the

3C mandatory certification

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The Basics of Electrical Data Center Design in 2025

The data center power supply chain 1. Medium-voltage switchgear and MV/LV transformers Standard MV voltage levels Key equipment in MV

New GB Standards for Low-Voltage Switchgear and Controlgear in

Low-voltage switchgear requires CCC certification in order to be approved for import and sale in China. The new standards introduce stricter requirements and advanced specifications to

IEC 62271-200 explained: LSC, IAC & MV switchgear

The term “medium voltage metal-enclosed switchgear” is used throughout this guide to refer to the equipment class governed by IEC 62271

## Contact Us

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