

Norwegian Standards for Electrical Distribution Box Enclosures



AI Overview

Electrical distribution box enclosures in Norway must comply with NEK 400, the national standard for low-voltage installations, ensuring safety, proper protection, and regulatory compliance.

Overview of NEK 400

NEK 400 is the official Norwegian electrotechnical standard for low-voltage electrical installations, published by the Norwegian Electrotechnical Committee (NEK) and currently in its 2022 edition with amendments AMD1:2024 and AMD2:2025 . It is a national adaptation of the international IEC 60364 series and the European CENELEC HD 60364 series, modified to address Norway-specific conditions, including climate, installation practices, and emerging technologies . NEK 400 serves as the primary reference for compliance with the Regulation on Electrical Low-Voltage Installations (FEL), issued by the Directorate for Civil Protection (DSB), .

Requirements for Distribution Box Enclosures

Electrical distribution boxes, also known as switchboards or panelboards, must meet several key requirements under NEK 400:

- **Protection for Safety:** Enclosures must provide protection against electric shock, overcurrent, overvoltage, and thermal effects. This includes proper insulation, grounding, and separation of live parts

Article Content

Jan 28, 2026

Product catalog

For an overview of Norwegian Standards and standards from The Norwegian Electrotechnical Committee (NEK), you can use our

Nov 04, 2025

Regulations 10 October 2017 No. 1598 on electrical equipment

Other instructions in Norwegian, Swedish, Danish or English. Declaration of conformity in Norwegian, Swedish,

Mar 19, 2026

Electrical Enclosures & Server Rack Cabinets | NEMACO™

Weatherproof electrical enclosures and server rack cabinets, engineered to NEMA 3R through NEMA 6P and IP54 through IP68

Mar 09, 2026

How they do it in Norway

Questions on electrical systems design, electrical installations and BS7671 Wiring Regulations.

May 26, 2026

Regulations 10 October 2017 No. 1598 on electrical equipment

The regulation establishes the safety objectives which electrical equipment must fulfil when being placed or made

Sep 17, 2025

Distribution board

A distribution board (also known as panelboard, circuit breaker panel, breaker panel, circuit breaker, electric panel, fuse box or DB

Nov 15, 2025

Norma Norsok Electrical Systems

The NORSOK standards are developed by the Norwegian petroleum industry as a part of the NORSOK initiative and supported by

May 23, 2026

Standard Electrical Enclosure Sizes: Chart, Dimensions

Electrical enclosure sizes are not universal, but most manufacturers follow common size

Sep 24, 2025

Electrical Enclosure Selection Guide | E-abel Industrial Enclosures

Are you selecting an electrical enclosure for your next project? It's not just about picking a box — it's about choosing a

Aug 12, 2025

What Is an Electrical Enclosure? Complete Guide

An electrical enclosure is a protective housing that shields electrical components from dust,

Sep 29, 2025

Electrical Enclosure Safety: Risks, Standards & Best Practices

Ensure electrical enclosure safety with the right materials, ventilation, security, and compliance. Prevent hazards,

Oct 16, 2025

NEK 400 — Grokipedia

It provides detailed requirements for the design, execution, protection, selection of equipment, verification, and special installations in

Mar 16, 2026

Elektrotekniske standarder fra NEK

Elektrotekniske standarder utarbeides av Norsk Elektroteknisk Komite (NEK). De fleste har sin opprinnelse i europeisk (CENELEC)

Jun 10, 2026

NEK 400:2018 English version

The collection sets requirements for satisfactory electrical safety, as well as laying down guidelines for the design of low voltage

Apr 20, 2026

The installation requirements for the distribution box

Learn how to install a distribution box safely and correctly. Covers wiring, placement, standards, and expert tips for a

Mar 08, 2026

Maritime Electrical Installation Standards | PDF | Switch

Specifically: - The purpose is to achieve electrical safety on ships, offshore installations, and recreational craft. - The regulations

Aug 27, 2025

Electrical regulations and standards

This Guide is based on relevant IEC standards, in particular IEC 60364. IEC 60364 has been established by

Apr 09, 2026

Electrical Enclosure and Related Component Certification | UL

Our certifications and standards cover junction and pull boxes, cabinets and cutout boxes, industrial control panel enclosures, IP and

Sep 03, 2025

Standarder

Som i alle AI-søk bør svaret vurderes av søkeren. For tekniske spørsmål om innholdet i standardene, vennligst benytt vår tjeneste

Dec 08, 2025

Hensel | Electrical installation and power distribution systems ...

The Gustav Hensel GmbH & CO. KG is a leading company specialising in the manufacture of innovative electrical installation and

Feb 16, 2026

Electrical safety

DSB is the national electrical safety authority and administers several regulations that are authorised by the Electrical Supervision Act.

May 25, 2026

NEK 400:2026

Standarden er en bearbeidet norsk utgave av IEC 60364-serien og CENELEC HD 60364-serien. Den

Jun 30, 2026

Om standarder

En standard beskriver en metode med krav til hvordan en bestemt situasjon eller oppgave kan løses.

Sep 12, 2025

NORSOK Standard for Electrical Installations

Typical hook-up drawings are provided in an annex. The document aims to standardize installations for the Norwegian offshore oil

May 12, 2026

NORSOK Standard for Electrical Installations

NORSOK Standard for Electrical Installations This document provides standards for the installation of electrical, instrumentation, and

Apr 07, 2026

NEMA Enclosure Types

NEMA Enclosure Types The purpose of this document is to provide general information on the definitions of NEMA Enclosure Types

Jun 06, 2026

NEMA Enclosures: Types, Sizes & Uses | IQS Directory

Junction box NEMA enclosures are used to protect wiring connections, DIN rails, and terminal wiring within an

Jun 28, 2026

Norsk Standard

Nasjonale og europeiske standarder legger føringene for hvordan prosjekter i vår bransje skal løses. Standard Norge fastsetter og

Oct 20, 2025

ESI Enclosure

The series includes empty housings and distribution boxes with door or cover. From a housing height of 120 mm, the housings can

Oct 20, 2025

§ 15 Electrical installations

In addition, the Regulations relating to electrical supply installations (in Norwegian only) and standards designated in NEK 400

May 26, 2026

Electrical Enclosure Standards | Polycase

Electrical enclosure standards like NEMA ratings and IP ratings are important for choosing

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://ntmmgroup.co.za>

Email: sales@ntmmgroup.co.za

Phone: +27 82 471 2596

Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town, 7441, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

