

Specifications of Industrial Plugs for Distribution Boxes



AI Overview

Industrial plugs for distribution boxes are designed to handle high currents and voltages, with IP44 or IP67 protection, multiple pin configurations, and compliance with IEC 60309 standards. Current and Voltage Ratings Industrial plugs are available in current ratings of 16A, 32A, 63A, and 125A, suitable for various industrial applications. Voltage specifications typically include 110V, 220V, and 380V, with 220V (blue) and 380V (red) being the most common. These ratings ensure compatibility with standard industrial power distribution systems. Pin Configurations and Safety Plugs come in 3-pin, 4-pin, and 5-pin configurations, with the position of the earth (ground) pin indicated by a clock-hour system (e.g., 6H, 9H) to prevent incorrect connections. This design ensures that plugs cannot be mismatched with incompatible sockets, enhancing safety for both personnel and equipment. Protection Levels IP44: Protects against water spray from any direction and solid objects over 1mm. Suitable for indoor or sheltered outdoor use, including automated production equipment, packaging machines, and distribution cabinets. IP67: Provides dust-tight protection and immersion in water up to 1 meter for 30 minutes. Ideal for harsh outdoor environments, mining machinery, and sports field power distribution. Materials and Durability Industrial plug housings are typically made of high-quality PA6 nylon, which is corrosion-resistant, durable, and flame-retardant (UL94V-0 standard). Plastic components can withstand temperatures up to 120°C under normal working conditions, and glow-wire tests at 850°C show no persistent flames. This ensures long-term reliability in demanding industrial environments. Standards Compliance Industrial plugs conform to IEC 60309-2 (CEE FORM) for safety and interchangeability, and distribution boxes often comply with IEC 61439 for low-volta...

Article Content

Industrial Plugs and Sockets

C& S industrial plugs and sockets are safe, reliable and durable. The IPS range is designed to meet individual application needs.

Electrical Control Panels & Distribution Boxes: Sizes,

Introduction Electrical control panels and distribution boxes are the backbone of modern electrical systems. From powering homes and industrial

Electrical installation solutions for buildings Industrial plugs and ...

ABB has manufactured industrial plugs and sockets for over 60 years. lted in a wide product range of high quality and a robust ergo-nomic design. Coveri The design and material used have continuously

Plugs, Socket-outlets and Couplers for Industrial

Industrial Pluge,Industrial Socket, Socket and Plug,Compact Distribution Box,Multi-Function Plug and Socket,Couplers

NTC1-Industrial Plugs

NXTC industrial plugs, sockets and couplers are designed with a rated current of 16A~125A and suitable for power distribution of AC 50Hz/60Hz, 415V (max.) systems

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INDUSTRIAL PLUGS and SOCKETS

CEE plugs and sockets with rated currents exceeding 63A must be watertight. Note: In accordance with the latest IEC regulations for industrial plugs and sockets, only IP44 and IP67 applies. No other IP

metal and plastic plugs and sockets metal and plastic plugs ...

Hypra® IP 44 - LV 63 A metal and plastic plugs and sockets 0529 34 0538 44 0528 72 0527 82

Corporate

Emerson delivers leading automation solutions and technology to help industries innovate for a safer, smarter and more sustainable world.

Industrial plugs and sockets

You will find all you need in ABB's industrial plugs and sockets product range. One supplier for all your needs and worldwide availability.

INDUSTRIAL PLUGS & SOCKETS

Pre-wired IEC receptacle accepts all manufacturer's IEC 60 309-2 plugs Robust hinge mechanism pivots >120° for easy access during installation and maintenance
Padlockable handle Clear terminal

Reliable Power Distribution: E-abel Panels Integrated

This is where the synergy between E-abel electrical panels and Weipu Industrial Plug & Socket Systems creates a complete power distribution

Industrial plug and socket distribution box

Types of Industrial Plug and Socket Distribution Boxes An industrial plug and socket distribution box is a robust electrical enclosure designed to safely distribute power in demanding environments. These

Types and Specifications of Industrial Plug Sockets

A simple guide to industrial plug sockets. Check the types, specifications, IP ratings (IP44/IP67), and amps (16A, 32A, 63A, 125A, 200A,

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Catalog Industrial Plugs & Sockets

ABB Industrial Plugs and Sockets have the solution for products in industrial environments with high demands on safety, durability, reliability and cost saving for the end user.

Selection Recommendations for Industrial Plugs,

The Anssin IPS series of industrial standard plugs, sockets, and distribution boxes feature advanced design, good quality, and excellent safety

Industrial Electrical Distribution Boxes | DENG YUE

Discover our Industrial Electrical Distribution Boxes, meticulously engineered for robustness and dependability. These high-performance electrical distribution boxes come equipped with multiple blue

Plugs, Connectors & Receptacles | Industrial | leviton

These specifications are complete CSI 3-part and Canadian CSC architectural specs that can easily be downloaded, customized for

Industrial Plugs and Sockets: IEC 60309 Types, IP

Learn how to choose industrial plugs and sockets by IEC 60309 standard, voltage, current, IP rating, pin configuration, color code, interlock,

INDUSTRIAL PLUGS, SOCKETS & ENCLOSURES

The weatherproof seal and strength of Atlantic metal enclosures means they are suitable for use on a wide range of sites - commercial and industrial. With excellent resistance to corrosion and chemicals,

Plugs, Connectors & Receptacles | Industrial | Leviton

Leviton has the broadest offering of heavy duty, watertight, NEMA and IEC plugs and connectors for commercial and industrial grade applications.

Bus Plugs Selection Guide: Types, Features,

Description Bus plugs connect to a busbar or busway to provide a localized power distribution to electronic devices, while protecting and supplying power to

Industrial plugs and sockets

ABB has manufactured industrial plugs and sockets for over 60 years in the factory located in Nyköping, Sweden. Long experience of developing and manufacturing plugs and sockets within ABB has

Industrial and multiphase power plugs and sockets

Industrial and multiphase power plugs and sockets IEC 60309-style plugs inserted into wall-mounted sockets Industrial and multiphase plugs and sockets provide a

Industrial-grade Power Plugs and Sockets

Characteristics of Industrial Plugs and Sockets (1) Safe and reliable: First, the color indicates the voltage, which is easy to distinguish and avoid

Catalogues and brochures

Download our current catalogues, brochures. International Catalogue, ENYCASE - DK Cable junction boxes, ENYBOARD - KV Small-type Distribution Boards up to 63 A, ENYFLEX - Empty enclosures in

Nante Overview: The Standard for Industrial Plugs

Industrial plugs are essential components used in various sectors, including manufacturing, construction, and energy distribution. These plugs are designed to facilitate the safe

Understanding Industrial Plugs and Sockets: A Guide to

Industrial plugs and sockets are vital for powering equipment in harsh environments. This guide explores their types, specifications, applications, and

Contact Us

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