

Kx What kind of distribution box



Overview

KX stainless steel The KX stainless steel E-Box has an easy-fit cam lock with double-bit insert for securely locking the enclosure, crucial for protecting.

Key Takeaways

The KX type distribution box is a versatile, high-protection enclosure designed for industrial and electrical applications, available in both sheet steel and stainless steel with IP66 protection. Construction and Materials

KX distribution boxes are manufactured from high-quality sheet steel or stainless steel (AISI 304 or 316L), providing robust, corrosion-resistant protection suitable for harsh industrial environments . The enclosures feature a single-piece welded body with a protective channel around the lid opening and a PU foam seal, ensuring high ingress protection (IP66) against dust and water . Stainless steel versions offer additional durability and resistance to challenging conditions .

Dimensions and Variants

KX boxes come in various sizes, such as 500 x 300 x 120 mm, 300 x 200 x 80 mm, and 500 x 200 x 120 mm, allowing selection based on project requirements . They are available in RAL 7035 powder-coated finish for sheet steel models, providing a durable and visually consistent surface .

Interior Configuration



The interior of KX boxes is highly flexible, supporting mounting plates, DIN rails, and support rails. Components can be installed using mounting claws or directly on the rear panel to maximize depth utilization, which is particularly useful for larger components. Some models include fastening claws for a second mounting level, enhancing internal space management.

Installation and Accessibility

KX boxes are designed for wall mounting, with rear panels featuring pre-punched points for brackets. Doors are equipped with 180° hinges for full access, and cam locks or quarter-turn closures secure the enclosure, protecting sensitive electronics. Quick-release fasteners with Torx inserts are also available for precise and secure locking.

Grounding and Safety

The enclosures provide integrated grounding connections, including PE conductor connections on side parts and via U-angle in the lid, ensuring fast and reliable earthing. This feature supports safety and compliance with electrical standards.

Applications

KX type distribution boxes are suitable for industrial plants, electrical installations, and environments requiring high protection against dust and water. Their robust construction, flexible interior, and secure locking mechanisms make them ideal for housing sensitive electronic components and terminal connections. In summary, the Rittal KX distribution box combines durability, flexibility, and high protection, making it a reliable choice for a wide range of industrial and electrical applications.

Article Content

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The stainless steel terminal box KX delivers maximum data quality and consistency of engineering while ensuring

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Introduction For procurement professionals, electrical contractors, and project managers, choosing the

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The main telephone box in the KX range is the KX100. The boxes were produced at a rate of

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