

Ak-DB-Series Indoor Iron Cold-Rolled Steel Sheet Metal Industrial Electronic Terminal Distribution Power Control Switch Box

Product parameters	
Product Name	Indoor distribution box
Material	Cold-rolled steel sheet (iron)
Model Number	AK-DB-Series
Size	54sizes
Feature	High hardness, corrosion resistance, and sealing performance
Function	Centralized control and distribution of electrical energy
Structure	The internal structure adopts a standard din rail type
Surface treatment	Baking paint and powder coating
Advantage	Stable quality, fast delivery, and MOQ 1 piece
Application	Indoor power distribution electronic equipment
Type	Vertical,horizontal and horizontal double-Door distribution box

What is a metal distribution box? What are its advantages?

1. Robust and Durable Structure

Material Advantages: Made of cold-rolled steel, possessing high hardness and strength, effectively protecting internal precision electrical components.

Impact Resistance: Able to withstand external impacts and compression, suitable for complex industrial environments.

2. Superior Protective Performance

Dust and Water Resistance: This is one of the most critical features. Products typically have sealing performance, quantified by IP protection ratings (IP54), indicating complete dustproof protection and resistance to water spray or temporary immersion from different angles and intensities.

Corrosion and Rust Resistance: Achieved through surface treatment processes, such as: Powder Coating: Provides a uniform, durable, and aesthetically pleasing coating with good corrosion resistance.

Baked Enamel: Strong adhesion and relatively low cost. Electro-galvanized/galvanized sheet: Provides basic rust prevention.

3. Industrial-grade safety and reliability

Electromagnetic shielding: The metal casing effectively shields against electromagnetic interference, ensuring the stable operation of sensitive internal electronic equipment.

Fire retardant: The metal itself is non-combustible, preventing external fire sources from spreading to the interior and enhancing overall safety.

Grounding safety: The metal enclosure facilitates reliable grounding, preventing the risk of leakage.

4. Ease of installation and use

Standard DIN rail mounting: The interior is typically designed with standard DIN rails, allowing for quick and neat installation of modular electrical components such as circuit breakers, contactors, and PLCs.

Modular design: Offers various sizes (54 sizes) and types (such as vertical, horizontal, double-door, etc.) to adapt to different equipment sizes and space constraints.

Easy to modify: The enclosure is easy to drill holes for installing sockets, switches, ventilation fans, or cable connectors.

5. Wide range of applications

Industrial automation: Used for installing PLCs, frequency converters, servo drives, etc.

Power Distribution: Used in buildings and factories as power distribution boxes and junction boxes.

Electronic Communications: Protects communication equipment, network equipment, and servers.

Outdoor Applications: Waterproof models are commonly used in outdoor lighting control, parking management systems, etc.

AK-DB-Series Metal distribution box					
Models	Sizes□L*W*H□mm	Weight□kg□	Models	Sizes□L*W*H□mm	Weight□kg□
AK-DB-01	250*200*150	1.75	AK-DB-28	1200*1000*250	30.5
AK-DB-02	300*200*150	2.05	AK-DB-29	200*300*150	2.2
AK-DB-03	300*250*150	2.5	AK-DB-30	250*300*150	2.5
AK-DB-04	300*250*200	2.8	AK-DB-31	250*300*200	2.8
AK-DB-05	400*300*150	3.5	AK-DB-32	300*400*150	3.5
AK-DB-06	400*300*200	3.85	AK-DB-33	300*400*200	3.85
AK-DB-07	400*300*250	4.25	AK-DB-34	300*400*250	4.25
AK-DB-08	400*300*300	4.85	AK-DB-35	300*400*300	5.5
AK-DB-09	500*400*150	5.45	AK-DB-36	400*500*150	5.45
AK-DB-10	500*400*200	5.6	AK-DB-37	400*500*200	5.65
AK-DB-11	500*400*250	6.75	AK-DB-38	400*500*250	6.75
AK-DB-12	500*400*300	7.02	AK-DB-39	400*500*300	7.35
AK-DB-13	600*400*200	6.71	AK-DB-40	500*600*150	7.7
AK-DB-14	600*500*150	7.7	AK-DB-41	500*600*200	7.98
AK-DB-15	600*500*200	8.5	AK-DB-42	500*600*250	8.5
AK-DB-16	600*500*250	8.9	AK-DB-43	500*600*300	9.26
AK-DB-17	600*500*300	9.7	AK-DB-44	500*700*200	10.2
AK-DB-18	700*500*200	10.2	AK-DB-45	500*700*250	9.8
AK-DB-19	700*500*250	9.6	AK-DB-46	600*700*200	10.85
AK-DB-20	700*600*200	10.2	AK-DB-47	600*700*250	11.26
AK-DB-21	700*600*250	10.6	AK-DB-48	600*800*200	11.75
AK-DB-22	800*600*200	10.85	AK-DB-49	600*800*250	12.35
AK-DB-23	800*600*250	11.75	AK-DB-50	600*800*300	13.25
AK-DB-24	800*600*300	12.99	AK-DB-51	800*1000*200	21.5
AK-DB-25	1000*800*200	21	AK-DB-52	800*1000*250	22.4
AK-DB-26	1000*800*250	24	AK-DB-53	800*1000*300	24.9
AK-DB-27	1000*800*300	25.8	AK-DB-54	1000*1200*250	30.5

INDOOR DISTRIBUTION BOX



PRODUCT FEATURES



COLD-ROLLED
STEEL PLATE



HIGH HARDNESS



CORROSION
RESISTANCE



SEALING



PRODUCT APPLICATION



PRODUCT PARAMETERS



PRODUCT DETAILS

01

PREMIUM INGREDIENTS

IT IS MADE OF COLD-ROLLED STEEL PLATES AND PROCESSED WITH PAINT BAKING AND PLASTIC SPRAYING TECHNIQUES



02

HIGH-QUALITY DOOR HANDLE LOCK

USE A LOCK CYLINDER OF GOOD QUALITY
ENHANCE THE SERVICE LIFE OF THE DOOR LOCK



03

HINGE

ENSURE THAT THE BOX DOOR OPENS SMOOTHLY WITHOUT JAMMING, AND THAT THE DOOR IS NOT EASILY DAMAGED OR BROKEN DUE TO COMPRESSION



04

HANGING FIXED INSTALLATION

HIGH-QUALITY HOOKS, COMBINED WITH ZINC-PLATED ANTI-SLIP SCREWS AT THE FOUR CORNERS, ARE SECURELY INSTALLED ON THE WALL, ENSURING SAFETY AND STABILITY



PRODUCT STYLE



Model: AK-DB-01
Size: 250*200*150mm



Model: AK-DB-02
Size: 300*200*150mm



Model: AK-DB-03
Size: 300*250*150mm



Model: AK-DB-04
Size: 300*250*200mm



Model: AK-DB-05
Size: 400*300*150mm



Model: AK-DB-06
Size: 400*300*200mm



Model: AK-DB-07
Size: 400*300*250mm



Model: AK-DB-08
Size: 400*300*300mm



Model: AK-DB-09
Size: 500*400*150mm



Model: AK-DB-10
Size: 500*400*200mm



Model: AK-DB-11
Size: 500*400*250mm



Model: AK-DB-12
Size: 500*400*300mm



Model: AK-DB-13
Size: 600*400*200mm



Model: AK-DB-14
Size: 600*500*150mm



Model: AK-DB-15
Size: 600*500*200mm



Model: AK-DB-16
Size: 600*500*250mm



Model: AK-DB-17
Size: 600*500*300mm



Model: AK-DB-18
Size: 700*500*200mm



Model: AK-DB-19
Size: 700*500*250mm



Model: AK-DB-20
Size: 700*600*200mm



Model: AK-DB-21
Size: 700*600*250mm



Model: AK-DB-22
Size: 800*600*200mm



Model: AK-DB-23
Size: 800*600*250mm



Model: AK-DB-24
Size: 800*600*300mm



Model: AK-DB-25
Size: 1000*800*200mm



Model: AK-DB-26
Size: 1000*800*250mm



Model: AK-DB-27
Size: 1000*800*300mm



Model: AK-DB-28
Size: 1200*1000*250mm



Model: AK-DB-29
Size: 200*300*150mm



Model: AK-DB-30
Size: 250*300*150mm



Model: AK-DB-31
Size: 250*300*200mm



Model: AK-DB-32
Size: 300*400*150mm



Model: AK-DB-33
Size: 300*400*200mm



Model: AK-DB-34
Size: 300*400*250mm



Model: AK-DB-35
Size: 300*400*300mm



Model: AK-DB-36
Size: 400*500*150mm



Model: AK-DB-37
Size: 400*500*200mm



Model: AK-DB-38
Size: 400*500*250mm



Model: AK-DB-39
Size: 400*500*300mm



Model: AK-DB-40
Size: 500*600*150mm



Model: AK-DB-41
Size: 500*600*200mm



Model: AK-DB-42
Size: 500*600*250mm



Model: AK-DB-43
Size: 500*600*300mm



Model: AK-DB-44
Size: 500*700*200mm



Model: AK-DB-45
Size: 500*700*250mm



Model: AK-DB-46
Size: 600*700*200mm



Model: AK-DB-47
Size: 600*700*250mm



Model: AK-DB-48
Size: 600*800*200mm



Model: AK-DB-49
Size: 600*800*250mm



Model: AK-DB-50
Size: 600*800*300mm



Model: AK-DB-51
Size: 800*1000*200mm



Model: AK-DB-52
Size: 800*1000*250mm



Model: AK-DB-53
Size: 800*1000*300mm



Model: AK-DB-54
Size: 1000*1200*250mm

CUSTOMIZED SERVICE



CHANGE COLOR



ACRYLIC PLATE



CUTOUT



SILKSCREEN / UV PRINTING



3D PRINTING



VACUUM CASTING



LASER ENGRAVING



STICKER



MEMBRANE KEYBOARD



SHEET METAL BENDING



RFI / EMI SHIELDING COATING



OIL PAINTING



HOT MELT TREATMENT



ELECTROPLATING



CUSTOM PC PLATE



PLASTIC / ALUMINUM CNC