

Technical Catalogue  
**Distribution Box**



## Application scope

The metal distribution box is designed for a wide range of low-voltage applications in residential buildings, commercial complexes, offices, and industrial facilities. It is suitable for environments requiring high mechanical durability, enhanced corrosion resistance, and reliable operational safety. The unit is ideal for indoor installations where effective circuit management and protection are essential.



## Applied Standards and Certifications

IEC 60439-3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use - Distribution boards.



### Ambient temperature

- Storage: -40°C ~ +75°C
- Operation: -5°C ~ +40°C

### Altitude

Below 2,000m above sea level

### Humidity

95%

## Salient features

- Full Metal Construction: Ensures high durability, enhanced safety, and long service life.
- Metal Bottom Box: Robust anti-rust capability; resistant to wear and environmental impacts.
- Material: High-strength Q195 cold-rolled steel plate, providing excellent rigidity and minimizing deformation under load or during cable overheating.
- Protection Degree: IP30, suitable for indoor power distribution applications.
- Inner Folding & Crimping Technology: Reinforced structural integrity, improved impact resistance, and increased safety during installation and operation.
- Anti-Corrosion Treatment: Manufactured with professional anti-rust processes and verified through extended corrosion-resistance testing for transportation and long-term use.

## Technical data

Approval	CE
Modules (No.)	4, 6, 8, 10, 12, 14, 16, 18, 22
Row	1 row
Rated current In (A)	63, 100, 125
Color	Grey
Color of door	Grey
Mounting type	Surface installation
Degree of protection	IP30
Material	Iron
Fire resistance	650°C/30s



## Image and structure



1. Plastic Strip Support

5. Round M-Shape Screw

9. Screw

2. Plastic Strip

3. Din Rail Support on Left and Right

10. Hinge

3. Flat Semi-Pecessed Hole Screw

7. Din Rail

11. Metal Front Cover Screw and Spring

4. Brass Terminal Block

8. M4x4

12. PC Window

## Order code and dimensions

Model	No. of Poles	Dimensions (mm)		
		L	W	H
MB1-S04	4ways	150	260	116
MB1-S06	6ways	186	260	116
MB1-S08	8ways	222	260	116
MB1-S10	10ways	258	260	116
MB1-S12	12ways	294	260	116
MB1-S14	14ways	330	260	116
MB1-S16	16ways	366	260	116
MB1-S18	18ways	402	260	116
MB1-S22	22ways	474	260	116

## Application scope

The plastic distribution box is designed for use in residential houses, villas, apartment buildings, and other residential areas. It supports both surface-mounted and flush-mounted installation methods. The enclosure complies with IEC 60439-3 and is suitable for accommodating various protection and control devices such as MCBs, RCDs, and other modular components.



## Applied Standards and Certifications

IEC 60439-3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use - Distribution boards.



### Ambient temperature

- Storage: -40°C ~ +75°C
- Operation: -5°C ~ +40°C

### Altitude

Below 2,000m above sea level

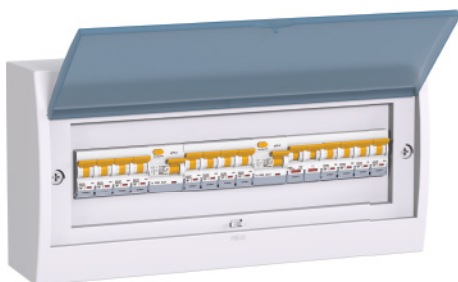
### Humidity

95%

## Salient features

- MB3 series included 2 kinds of enclosure, surface mounted and flush mounted one.
- The interiorly mounted MCBs are all in compliance with relative IEC standards, 9mm modularized electric components are applicable, as well.
- On request, various circuit combinations can be assembled and the mounting capacity of the product units can be taken to 6~54 units.
- The distribution box is designed with internal terminal blocks for connection of neutral line and protective grounding wire.
- The enclosure of the unit is made of plastic material with metal structure; ABS/ PC for body and PC for door. The color of door: transparent, non transparent.
- On request, specified colors are available

## Technical data

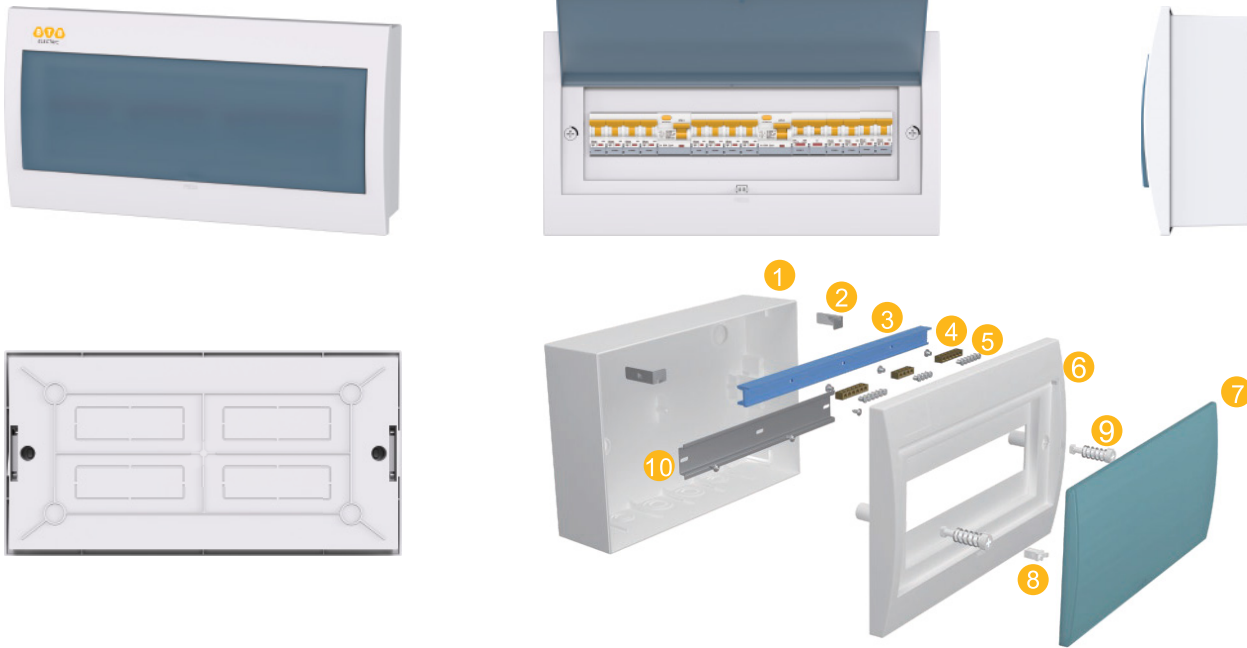


Approval	CE
Modules (No.)	6, 8, 12, 18, 24, 36, 54
Row	1 row for 6, 8, 12, 18 modules 2 rows for 24, 36 modules 3 rows for 54 modules
Rated current In (A)	63, 100, 125
Color	White RAL 9003 and Grey RAL 7035
Color of door	Blue, White
Mounting type	Surface, Flush
Degree of protection	IP30
Material	PS or ABS for body, PC for door
Fire resistance	650°C/30s

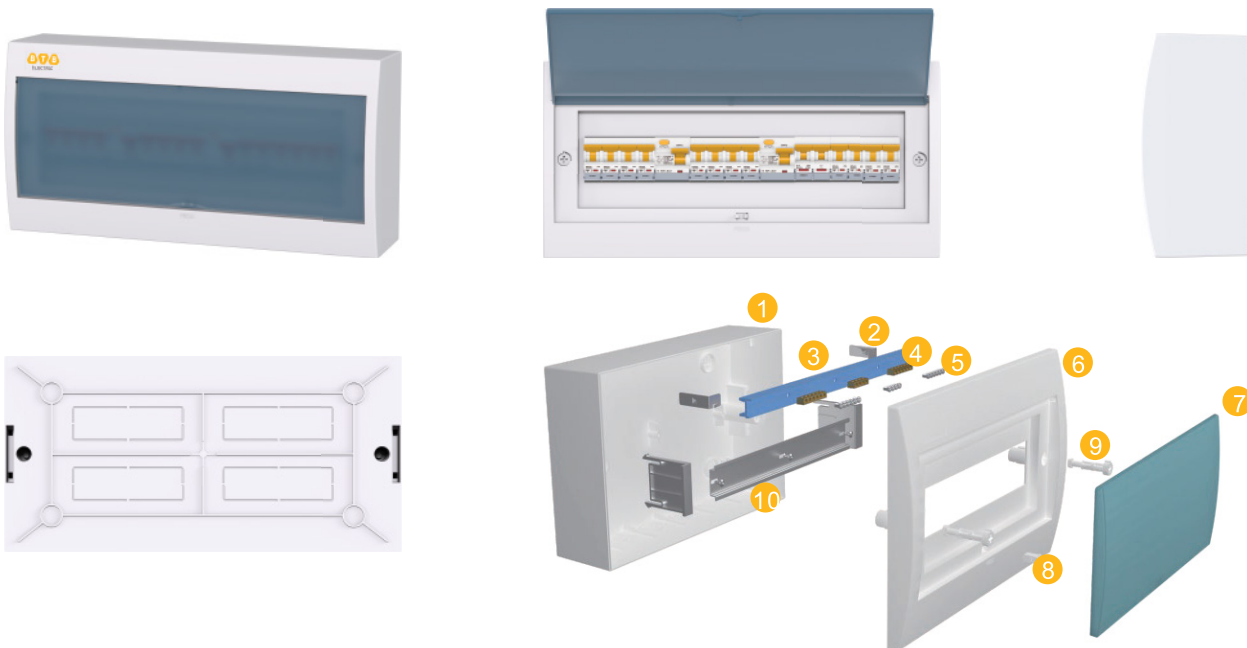
## Image and structure

1. Plastic Base	4. Brass Terminal Block	7. PC Window
2. Iron Support	5. Brass Terminal Block Screw	8. Plastic Cover Lock
3. Terminal Block Support	6. Plastic Front Cover	9. Plastic Screw and Spring
10. Din Rail		

### MB3-F Flush installation type



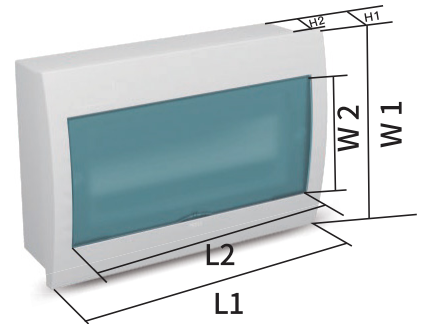
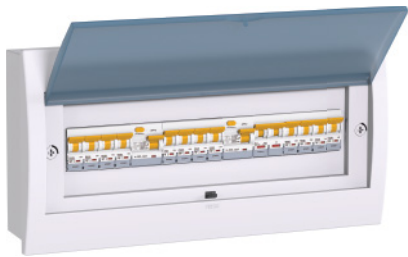
### MB3-S Surface installation type



## Order code and dimensions

### MB3-F Flush installation type

Model	No. of Poles	Dimensions (mm)		
		L1/L2	W1/W2	H1/H2
MB3-F06	6ways	210/168	219/129	102/77
MB3-F08	8ways	244/203	219/129	102/77
MB3-F12	12ways	317/275	219/129	102/77
MB3-F18	18ways	426/384	219/129	102/77
MB3-F24	24ways	318/298	310/242	109/77
MB3-F36	36ways	426/406	310/242	109/77



### MB3-S Surface installation type

Model	No. of Poles	Dimensions (mm)		
		L1/L2	W1/W2	H1/H2
MB3-S06	6ways	194/168	204/129	102/77
MB3-S08	8ways	228/203	204/129	102/77
MB3-S12	12ways	300/275	204/129	102/77
MB3-S18	18ways	410/384	204/129	102/77
MB3-S24	24ways	300/298	294/242	109/77
MB3-S36	36ways	410/406	294/242	109/77
MB3-S54	54ways	435/425	601/579	143/120

