



# MCB Distribution Boards 配電箱

IEC 61439 Standard 標準



[se.com/hk/mcb](http://se.com/hk/mcb)

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**Schneider**  
Electric  
施耐德電氣

# MCB Distribution Boards 配電箱

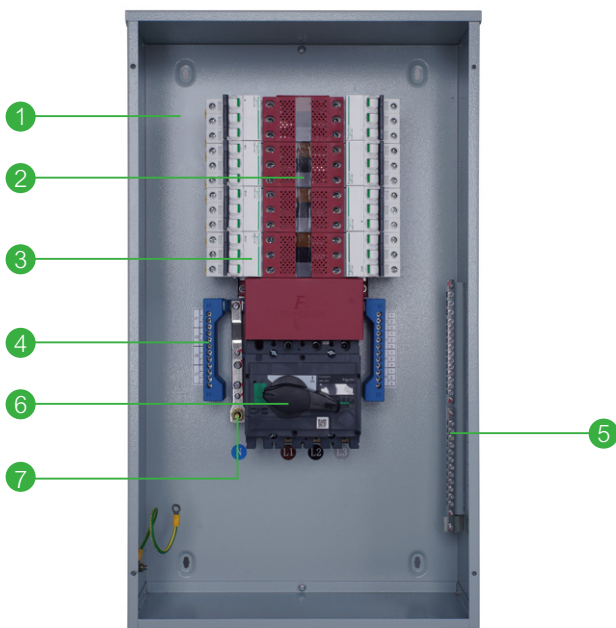
## Technical Specification 技術參數

### Technical Specification

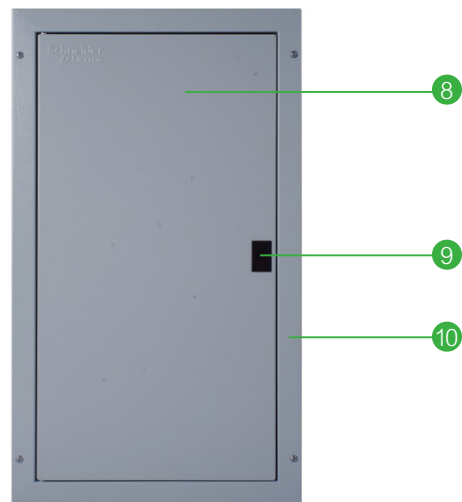
- In compliance with standards: IEC 61439-3
- Degree of protection: IP41 for SP, TP/TP&N Board
- Wall mounting
- High quality epoxy powder surface coating
- Suits miniature circuit breakers
- Busbar rating: 100A/125A/200A (TP/TP&N Board), 100A (SP Board)

### 技術參數

- 符合IEC 61439-3標準
- 保護等級：IP41（單相箱 / 三相箱 / 四相箱）
- 掛牆式
- 表面用高質素環氧樹脂塗層
- 適合微型斷路器
- 電巴容量：100A/125A/200A（三相 / 四相箱），100A（單相箱）



BF12-108SDC



- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>① Surface mounting enclosure<br/>掛牆式箱體</li> <li>② Terminal shield &amp; way label<br/>絕緣隔板及相位標貼</li> <li>③ MCB unit<br/>微型斷路器</li> <li>④ Neutral link<br/>中線端子</li> <li>⑤ Earth link<br/>地線端子</li> </ul> | <ul style="list-style-type: none"> <li>⑥ INS switch disconnector<br/>INS 開關掣</li> <li>⑦ Neutral incoming terminal<br/>中線來線接線端</li> <li>⑧ Hinge door<br/>掩門</li> <li>⑨ Door lock*<br/>門鎖*</li> <li>⑩ Cover<br/>面蓋</li> </ul> |
|---|---|



#### Remarks:

IP43 is also available, please consult Schneider Electric (Hong Kong) Ltd for details.

#### 備註：

另提供IP43選擇，詳情請向施耐德電氣(香港)有限公司查詢。

\*B17 series possesses door lock at the left side

B17系列門鎖設於左方，需於左方開關掩門

BF-12 and BF-17 series possess door lock at the right side

BF-12及BF-17系列門鎖設於右方，需於右方開關掩門

# MCB Distribution Boards 配電箱

## Technical Specification 技術參數



BF10-008



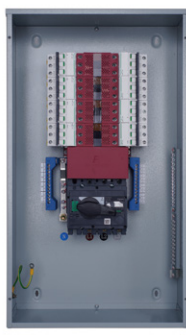
BF10-064

### BF-10 Technical Data 技術參數

- Neutral incoming terminal and earth link incoming connections: use rigid or flexible cables up to 16mm<sup>2</sup>;
- Neutral and earthlink outgoing connections: use rigid or flexible cables up to 10mm<sup>2</sup>.
- 中線和地線端子來線：可接16mm<sup>2</sup>或以下的軟線或硬線；
- 中線和地線出線：可接10mm<sup>2</sup>或以下的軟線或硬線。



B17104R



BF12-108SDC

### B17 Technical Data 技術參數

- Neutral incoming terminal connection: use rigid or flexible cables up to 50mm<sup>2</sup>;
- Earth link incoming connection: use rigid or flexible cables up to 16mm<sup>2</sup>;
- Neutral and earth link outgoing connections: use rigid or flexible cables up to 16mm<sup>2</sup>;
- 中線來線：可接50mm<sup>2</sup>或以下的軟線或硬線；
- 地線來線：可接16mm<sup>2</sup>或以下的軟線或硬線；
- 中線和地線出線：可接16mm<sup>2</sup>或以下的軟線或硬線。

### SP MCB/RCBO Board And Consumer Unit 單相微型斷路器/漏電斷路器配電箱

Bar Ratings 電巴容量 100A

Material reference 產品編號	No. of Way 相位數目	Dimensions (mm) 尺寸		
		H高	W闊	D深
BF10-006	6	235	272	96
BF10-008	8	235	308	96
BF10-010	10	235	344	96
BF10-012	12	235	380	96
BF10-014	14	235	416	96
BF10-016	16	235	452	96
BF10-022	2 + 2	235	290	96
BF10-033	3 + 3	235	326	96
BF10-044	4 + 4	235	362	96
BF10-064	6 + 4	235	398	96
BF10-084	8 + 4	235	434	96
BF10-086	8 + 6	235	470	96
BF10-104	10 + 4	235	470	96

### TP MCB/RCBO Board W/ Main Switch Space 三相微型斷路器/漏電斷路器配電箱帶總掣位

Material reference 產品編號	Main Bar Rating (A) 主要巴容量 (A)	Main switch space (A) 總掣位 (A)	No. of Way 相位數目	Dimensions (mm) 尺寸		
				H高	W闊	D深
B17104R	100	100	4	457	405	105
B17106R	100	100	6	511	405	105
B17108R	100	100	8	565	405	105
B17110R	100	100	10	619	405	105
B17112R	100	100	12	673	405	105
B17114R	100	100	14	727	405	105
B17116R	100	100	16	781	405	105
B17118R	100	100	18	835	405	105
BF17-104C	125	125	4	460	415	101
BF17-106C	125	125	6	514	415	101
BF17-108C	125	125	8	568	415	101
BF17-110C	125	125	10	622	415	101
BF17-112C	125	125	12	676	415	101
BF17-114C	125	125	14	730	415	101
BF17-116C	125	125	16	784	415	101
BF17-118C	125	125	18	838	415	101
BF12-104SDRM160C	200	160	4	607	415	106
BF12-106SDRM160C	200	160	6	661	415	106
BF12-108SDRM160C	200	160	8	715	415	106
BF12-110SDRM160C	200	160	10	769	415	106
BF12-112SDRM160C	200	160	12	823	415	106
BF12-114SDRM160C	200	160	14	877	415	106
BF12-116SDRM160C	200	160	16	931	415	106
BF12-118SDRM160C	200	160	18	985	415	106
BF12-104SDC	200	250	4	607	415	141
BF12-106SDC	200	250	6	661	415	141
BF12-108SDC	200	250	8	715	415	141
BF12-110SDC	200	250	10	769	415	141
BF12-112SDC	200	250	12	823	415	141
BF12-114SDC	200	250	14	877	415	141
BF12-116SDC	200	250	16	931	415	141
BF12-118SDC	200	250	18	985	415	141



# MCB Distribution Boards 配電箱

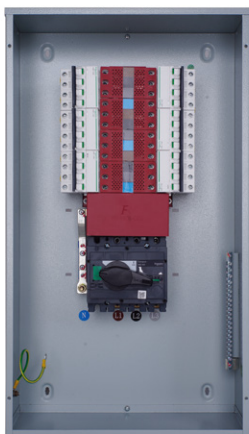
## Technical Specification 技術參數

### BF-12 Technical Data 技術參數

- Neutral incoming terminal connection: use rigid or flexible cables up to 95mm<sup>2</sup>;
- Earth link incoming connection: use rigid or flexible cables up to 70mm<sup>2</sup>;
- Neutral and earth link outgoing connections: use rigid or flexible cables up to 16mm<sup>2</sup>;
- 中線來線：可接95mm<sup>2</sup>或以下的軟線或硬線；
- 地線來線：可接70mm<sup>2</sup>或以下的軟線或硬線；
- 中線和地線出線：可接16mm<sup>2</sup>或以下的軟線或硬線。

### BF-17 Technical Data 技術參數

- Neutral incoming terminal connection: use rigid or flexible cables up to 50mm<sup>2</sup>;
- Earth link incoming connection: use rigid or flexible cables up to 70mm<sup>2</sup>;
- Neutral and earth link outgoing connections: use rigid or flexible cables up to 16mm<sup>2</sup>;
- 中線來線：可接50mm<sup>2</sup>或以下的軟線或硬線；
- 地線來線：可接70mm<sup>2</sup>或以下的軟線或硬線；
- 中線和地線出線：可接16mm<sup>2</sup>或以下的軟線或硬線。



BF12-106SDTNC

### TP MCB/RCBO Board W/O Main Switch Space 三相微型斷路器/漏電斷路器配電箱不帶總掣位

Material reference 產品編號	Main Bar Rating (A) 主要巴容量 (A)	No. of Way 相位數目	Dimensions (mm) 尺寸		
			H高	W闊	D深
BF17-004C	125	4	460	415	101
BF17-006C	125	6	514	415	101
BF17-008C	125	8	568	415	101
BF17-010C	125	10	622	415	101
BF17-012C	125	12	676	415	101
BF17-014C	125	14	730	415	101
BF17-016C	125	16	784	415	101
BF17-018C	125	18	838	415	101
BF12-004C	200	4	460	415	101
BF12-006C	200	6	514	415	101
BF12-008C	200	8	568	415	101
BF12-010C	200	10	622	415	101
BF12-012C	200	12	676	415	101
BF12-014C	200	14	730	415	101
BF12-016C	200	16	784	415	101
BF12-018C	200	18	838	415	101

### TP&N MCB Board W/ Individual Neutral & Main Switch Space 四相微型斷路器配電箱帶三相中性總掣位

Material reference 產品編號	Main Bar Rating (A) 主要巴容量 (A)	Main switch space (A) 總掣位 (A)	No. of Way 相位數目	Dimensions (mm) 尺寸		
				H高	W闊	D深
BF17-104TNC	125	125	4	514	415	101
BF17-106TNC	125	125	6	568	415	101
BF17-108TNC	125	125	8	678	415	101
BF17-110TNC	125	125	10	730	415	101
BF17-112TNC	125	125	12	784	415	101
BF17-114TNC	125	125	14	892	415	101
BF17-116TNC	125	125	16	946	415	101
BF17-118TNC	125	125	18	1000	415	101
BF12-104SDTNRM160C	200	160	4	661	415	106
BF12-106SDTNRM160C	200	160	6	715	415	106
BF12-108SDTNRM160C	200	160	8	823	415	106
BF12-110SDTNRM160C	200	160	10	877	415	106
BF12-112SDTNRM160C	200	160	12	931	415	106
BF12-114SDTNRM160C	200	160	14	1039	415	106
BF12-116SDTNRM160C	200	160	16	1093	415	106
BF12-118SDTNRM160C	200	160	18	1147	415	106
BF12-104SDTNC	200	250	4	661	415	141
BF12-106SDTNC	200	250	6	715	415	141
BF12-108SDTNC	200	250	8	823	415	141
BF12-110SDTNC	200	250	10	877	415	141
BF12-112SDTNC	200	250	12	931	415	141
BF12-114SDTNC	200	250	14	1039	415	141
BF12-116SDTNC	200	250	16	1093	415	141
BF12-118SDTNC	200	250	18	1147	415	141

### Accessories 附件

Part number 產品編號	Description 內容
BF19002	Blanking plate for 6 SP MCB 相間隔板·一組六個

# MCB Distribution Boards 配電箱

## RCD Boards 漏電保護器配電箱

Part no. 產品編號	No. of Way 相位數目	Dimensions (mm) 尺寸		
		H高	W闊	D深
BF14001	1 x 4P	200	150	90
BF14003	3 x 4P	200	300	90
BF14004	4 x 4P	200	400	90
BF14006	6 x 4P	381	415	101
BF14008	8 x 4P	453	415	101
BF14010	10 x 4P	525	415	101
BF14012	12 x 4P	597	415	101
BF14014	14 x 4P	669	415	101
BF14016	16 x 4P	741	415	101



## ASTA TYPE CERTIFICATE VERIFICATION OF TEST

**Project No:** SHA158787    **Certificate No:** ASTA-TYPE-0001451  
**Vendor:** Schneider Electric (Hong Kong) Limited  
 11th Floor, Kerry Centre, 683 King's Road, Quarry Bay, Hong Kong  
**Apparatus:** A range of 125 A, 400 - 415 V/400 - 500 V/4 - 6 kV ( $U_n=U_r/U_{Im}$ ), 50Hz & 60Hz, IP41, type B DBO comprising three phase and neutral busbars, protective circuit, one incoming switch-disconnector circuit and 4 to 18 outgoing MCB and/or RCBO circuits.  
 The DBO is suitable for indoor use and has a metallic enclosure.  
**Manufactured By:** Fair-Rack Electrical Asia (H.K.) Ltd.  
 No.5, Hongxing Road, Chaoyang Industrial Zone, Yayao Town, Heshan, Jiangmen, Guangdong, P. R. China.  
**Test Report No:** S15-823/B  
**Designation:** MD44 series 125A 4 way to 18 way TP, TP&N and DP MCB board  
 BF17 125A 4 way to 18 way TP, TP&N and DP MCB board

The apparatus which is representative of the designation, supplied drawings and photographs has been evaluated in accordance with:

### IEC 61439-3: 2012

1: Strength of material and parts	6/7/8: No verification by testing required
2: Degree of protection of enclosures	9: Dielectric properties
3: Clearances	10: Temperature-rise limits
4: Creepage distances	11: Short circuit withstand strength
5: Protection against electric shock and integrity of protective circuits	12: Electromagnetic compatibility (EMC)
	13: Mechanical operation

The results are shown in the record of tests attached hereto. The values obtained and the general performance is considered to comply with the above Standard(s) and to justify the ratings assigned by the manufacturer as stated on the ratings page(s) of this Certificate. This Certificate applies only to the apparatus tested. Responsibility for conformity of any apparatus having the same or other designations rests with the Manufacturer.



*[Signature]*  
 Certification Engineer  
*[Signature]*  
 Certification Officer  
 26th October 2021  
 Date

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Any use of this Intertek service or use of its results for the sale or advertisement of the product, material, product or service must first be approved in writing by Intertek. Issued by Intertek Testing & Certification Ltd., Academy Place, 58 Brook Street, Brentwood CM8 3SQ, United Kingdom. ©UKAS accredited certification body, No. 2020

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## ASTA TYPE CERTIFICATE VERIFICATION OF TEST

**Project No:** SHA284695    **Certificate No:** ASTA-TYPE-0001452  
**Vendor:** Schneider Electric (Hong Kong) Limited  
 11th Floor, Kerry Centre, 683 King's Road, Quarry Bay, Hong Kong  
**Apparatus:** A range of 200 A, 400 - 415 V/400 - 500 V/4 - 6 kV ( $U_n=U_r/U_{Im}$ ), 50Hz & 60Hz, IP41, type B DBO comprising three phase and neutral busbars, protective circuit, one incoming switch-disconnector circuit and 4 to 18 outgoing MCB and/or RCBO circuits.  
 The DBO is suitable for indoor use and has a metallic enclosure.  
**Manufactured By:** Fair-Rack Electrical Asia (H.K.) Ltd.  
 No.5, Hongxing Road, Chaoyang Industrial Zone, Yayao Town, Heshan, Jiangmen, Guangdong, P. R. China.  
**Test Report No:** S15-823/B  
**Designation:** MD44 series 200A 4 way to 18 way TP, TP&N and DP MCB board  
 BF12 200A 4 way to 18 way TP, TP&N and DP MCB board

The apparatus which is representative of the designation, supplied drawings and photographs has been evaluated in accordance with:

### IEC 61439-3: 2012

1: Strength of material and parts	6/7/8: No verification by testing required
2: Degree of protection of enclosures	9: Dielectric properties
3: Clearances	10: Temperature-rise limits
4: Creepage distances	11: Short circuit withstand strength
5: Protection against electric shock and integrity of protective circuits	12: Electromagnetic compatibility (EMC)
	13: Mechanical operation

The results are shown in the record of tests attached hereto. The values obtained and the general performance is considered to comply with the above Standard(s) and to justify the ratings assigned by the manufacturer as stated on the ratings page(s) of this Certificate. This Certificate applies only to the apparatus tested. Responsibility for conformity of any apparatus having the same or other designations rests with the Manufacturer.



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N<sub>o</sub> DY130869

# Test Report

**Name of sample** TPN MCB Board fitted with C68 & Acti9 MCB, RCBO and main switch

**Specifications** B17 series

**Commission unit** Schneider Electric H.K

**Test purpose** Commission Test

China National Quality Supervision and Testing Center for Medium and Low Voltage Transmission and Distribution Products

## Notes

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