

## PANEL BOARD



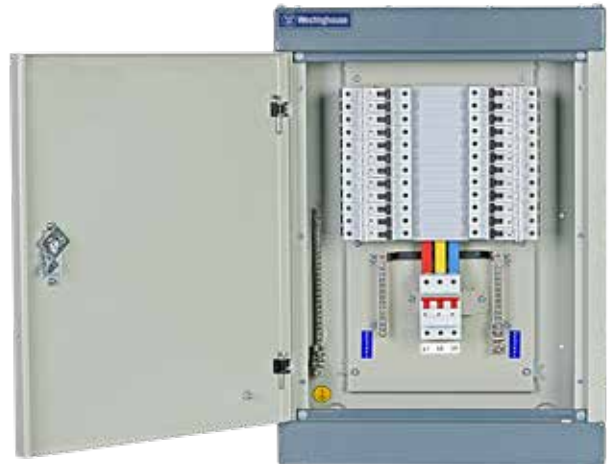
## Three Phase MCB Distribution Boards (Final DB)


**5**
**Switchboard**

Combining robust high quality engineering with the latest international construction, test and installations standard, Westinghouse Bi range of distribution boards has been designed with advice from consultants, contractors, users and distributors.

- The 200 Amp max incoming DB assembly complies with IEC 61439-1 & 2.
- ASTA certified fully type-tested to standard IEC 61439-1 & 2.
- Main busbar is tested and rated at full load 200 Amp.
- Ingress protection up to IP43 with standard to IEC 60529.
- High quality epoxy polyester powder paint finish in two-tone finishing.
- Flat removable gland plates make drilling and access easier
- The modular design allows for many combinations of incomers, allowing great customer choice increased stocking flexibility.
- The wide range of in-comer option includes:
  - MCB or RCCB up to 100 Amp.
  - Switch disconnector up to 125 Amp.
  - MCCB and Moulded Case Switches up to 200 Amp.
- External and internal earthing points are provided.
- Generous cabling area throughout the range.
- 1.5/1.2 mm sheet steel thickness.
- Frequency 50/60Hz

# Three Phase MCB Distribution Board (Surface)



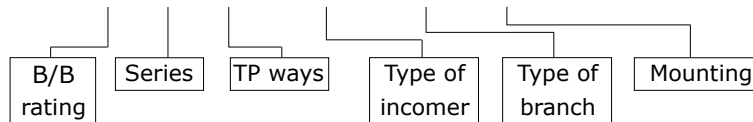
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Switchboard

## Catalogue Number and Selection Guide

Three phase MCB distribution board "Bi" series

100 Bi 4 / DIN - DIN - S



Catalogue number Surface Mounted	Ref.no.	Outgoing ways TP	Dimension (mm)		
			Height A	Width B	Depth C
Incomer Type: MCB/ RCCB / Switch – 125A Max Outgoing : DIN					
125Bi4-/DIN-DIN-S	W603400	4	520	430	120 <sup>①</sup>
125Bi6-/DIN-DIN-S	W603401	6	575	430	120
125Bi8-/DIN-DIN-S	W603402	8	635	430	120
125Bi10-/DIN-DIN-S	W603403	10	720	430	120
125Bi12-/DIN-DIN-S	W603404	12	805	430	120
125Bi14-/DIN-DIN-S	W603405	14	890	430	120
125Bi16-/DIN-DIN-S	W603406	16	975	430	120
Incomer Type: G MCCB – 125A Max Outgoing : DIN					
125Bi4-/ G-DIN-S	W603407	4	520	430	120 <sup>①</sup>
125Bi6-/ G-DIN-S	W603408	6	575	430	120
125Bi8-/ G-DIN-S	W603409	8	635	430	120
125Bi10-/ G-DIN-S	W603410	10	720	430	120
125Bi12-/ G-DIN-S	W603411	12	805	430	120
125Bi14-/ G-DIN-S	W603412	14	890	430	120
125Bi16-/ G-DIN-S	W603413	16	975	430	120

①Option Depth 125mm

## Three Phase MCB Distribution Board (Surface)

Incomer Type: F MCCB – 160A Max Outgoing : DIN					
160Bi4-/ F-DIN-S	W603414	4	645	430	125 <sup>①</sup>
160Bi6-/ F-DIN-S	W603415	6	700	430	125
160Bi8-/ F-DIN-S	W603416	8	735	430	125
160Bi10-/ F-DIN-S	W603417	10	820	430	125
160Bi12-/ F-DIN-S	W603418	12	905	430	125
160Bi14-/ F-DIN-S	W603419	14	990	430	125
160Bi16-/ F-DIN-S	W603420	16	1075	430	125
Incomer Type: J MCCB – 250A Max Outgoing : DIN					
250Bi4-/ J-DIN-S	W603421	4	645	430	125 <sup>①</sup>
250Bi6-/ J-DIN-S	W603422	6	700	430	125
250Bi8-/ J-DIN-S	W603423	8	735	430	125
250Bi10-/ J-DIN-S	W603424	10	820	430	125
250Bi12-/ J-DIN-S	W603425	12	905	430	125
250Bi14-/ J-DIN-S	W603426	14	990	430	125
250Bi16-/ J-DIN-S	W603427	16	1075	430	125

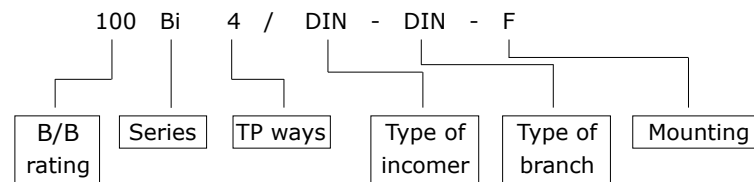
<sup>①</sup> Option Depth 135mm

# Three Phase MCB Distribution Board (Flush)



## Catalogue Number and Selection Guide

Three phase MCB distribution board "Bi" series



Catalogue number	Ref. No.	Outgoing ways TP	Board dimension (mm)			Flush cover dimension(mm)	
			Height A	Width B	Depth C	Height D	Width E
Flush Mounted							
Incomer types: MCB/RCCB/Switch disconnector-125A maximum			Outgoing: DIN				
125Bi4-/DIN-DIN-F	W603428	4	520	430 <sup>②</sup>	105 <sup>①</sup>	545	455
125Bi6-/DIN-DIN-F	W603429	6	575	430	105	600	455
125Bi8-/DIN-DIN-F	W603430	8	635	430	105	660	455
125Bi10-/DIN-DIN-F	W603431	10	720	430	105	745	455
125Bi12-/DIN-DIN-F	W603432	12	805	430	105	830	455
125Bi14-/DIN-DIN-F	W603433	14	890	430	105	915	455
125Bi16-/DIN-DIN-F	W603434	16	975	430	105	1000	455
Incomer: G MCCB-125A max			Outgoing: DIN				
125Bi4-/G-DIN-F	W603435	4	520	430 <sup>②</sup>	105 <sup>①</sup>	545	455
125Bi6-/G-DIN-F	W603436	6	575	430	105	600	455
125Bi8-/G-DIN-F	W603437	8	635	430	105	660	455
125Bi10-/G-DIN-F	W603438	10	720	430	105	745	455
125Bi12-/G-DIN-F	W603439	12	805	430	105	830	455
125Bi14-/G-DIN-F	W603440	14	890	430	105	915	455
125Bi16-/G-DIN-F	W603441	16	975	430	105	1000	455

①Option Depth 120mm

②Option Width 400mm

# Three Phase MCB Distribution Board (Flush)

Catalogue number Flush Mounted	Ref. No.	Outgoing ways TP	Board dimension (mm)			Flush cover dimension(mm)	
			Height A	Width B	Depth C	Height D	Width E
Incomer: F -160A max		Outgoing: DIN					
160Bi4-/ F-DIN-F	W603442	4	645	430 <sup>②</sup>	120 <sup>①</sup>	670	455
160Bi6-/ F-DIN-F	W603443	6	700	430	120	725	455
160Bi8-/ F-DIN-F	W603444	8	735	430	120	760	455
160Bi10-/ F-DIN-F	W603445	10	820	430	120	845	455
160Bi12-/ F-DIN-F	W603446	12	905	430	120	930	455
160Bi14-/ F-DIN-F	W603447	14	990	430	120	1015	455
160Bi16-/ F-DIN-F	W603448	16	1075	430	120	1100	455
Incomer: J MCCB-250A max		Outgoing: DIN					
250Bi4-/ J-DIN-F	W603449	4	645	430 <sup>②</sup>	120 <sup>①</sup>	670	455
250Bi6-/ J-DIN-F	W603450	6	700	430	120	725	455
250Bi8-/ J-DIN-F	W603451	8	735	430	120	760	455
250Bi10-/ J-DIN-F	W603452	10	820	430	120	845	455
250Bi12-/ J-DIN-F	W603453	12	905	430	120	930	455
250Bi14-/ J-DIN-F	W603454	14	990	430	120	1015	455
250Bi16-/ J-DIN-F	W603455	16	1075	430	120	1100	455

①Option Depth 120mm

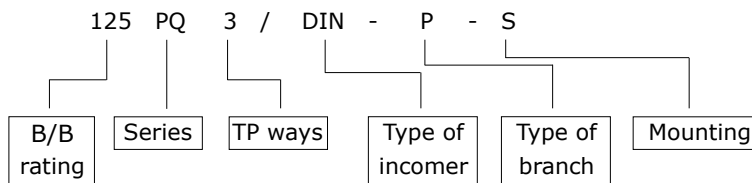
②Option Width 400mm

# Three Phase MCB Distribution Board (Surface Plug-in Type)



## Catalogue Number and Selection Guide

Three phase MCB distribution board "PQ" Series plug-in



Catalogue number	Ref.no.	Outgoing ways TP	Dimension (mm)		
			Height A	Width B	Depth C
Surface Mounted					
Incomer types: MCB/RCCB/Switch disconnecter-125A maximum			Outgoing: PQ		
125PQ312DIN-P-S	W603456	4	520	430 <sup>③</sup>	105 <sup>①</sup>
125PQ318DIN-P-S	W603457	6	595	430	105
125PQ324DIN-P-S	W603458	8	675	430	105
125PQ330DIN-P-S	W603459	10	820	430	105
125PQ336DIN-P-S	W603460	12	900	430	105
125PQ342DIN-P-S	W603461	14	1000	430	105
125PQ348DIN-P-S	W603462	16	1100	430	105
Incomer: G MCCB-125A maximum			Outgoing: PQ		
125PQ312G-P-S	W603463	4	520	430 <sup>③</sup>	105 <sup>①</sup>
125PQ318G-P-S	W603464	6	595	430	105
125PQ324G-P-S	W603465	8	675	430	105
125PQ330G-P-S	W603466	10	755	430	105
125PQ336G-P-S	W603467	12	900	430	105
125PQ342G-P-S	W603468	14	1000	430	105
125PQ348G-P-S	W603469	16	1100	430	105

①Option Depth 120mm

②Option Width 125mm

③Option Width 400mm

# Three Phase MCB Distribution Board (Surface Plug-in Type)

Catalogue number Surface Mounted	Ref.no.	Outgoing ways TP	Dimension (mm)		
			Height A	Width B	Depth C

Incomer: F MCCB-160A maximum      Outgoing: PQ

160PQ312F-P-S	W603470	4	585	430 <sup>③</sup>	120 <sup>②</sup>
160PQ318F-P-S	W603471	6	650	430	120
160PQ324F-P-S	W603472	8	735	430	120
160PQ330F-P-S	W603473	10	850	430	120
160PQ336F-P-S	W603474	12	965	430	120
160PQ342F-P-S	W603475	14	1065	430	120
160PQ348F-P-S	W603476	16	1165	430	120

Incomer: J MCCB-160A maximum      Outgoing: PQ

160PQ312F-P-S	W603477	4	585	430 <sup>③</sup>	120 <sup>②</sup>
160PQ318F-P-S	W603478	6	650	430	120
160PQ324F-P-S	W603479	8	735	430	120
160PQ330F-P-S	W603480	10	850	430	120
160PQ336F-P-S	W603481	12	965	430	120
160PQ342F-P-S	W603482	14	1065	430	120
160PQ348F-P-S	W603483	16	1165	430	120

<sup>②</sup>Option Width 125mm

<sup>③</sup>Option Width 400mm

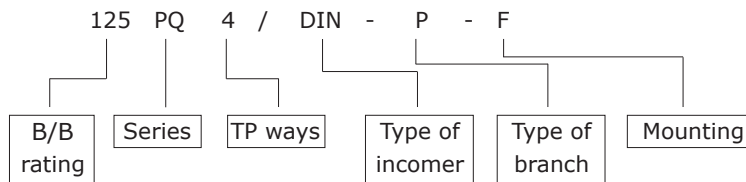


# Three Phase MCB Distribution Board (Flush Plug-in Type)



## Catalogue Number and Selection Guide

Three phase MCB distribution board "PQ" Series plug-in



Catalogue number	Ref. No.	Outgoing ways TP	Board dimension (mm)			Flush cover dimension(mm)	
			Height A	Width B	Depth C	Width D	Depth E
Flush Mounted							
Incomer types: MCB/RCCB/Switch disconnecter-125A maximum			Outgoing: PQ				
125PQ312DIN-P-F	W603484	4	520	430 <sup>③</sup>	105 <sup>①</sup>	545	455
125PQ318DIN-P-F	W603485	6	595	430	105	620	455
125PQ324DIN-P-F	W603486	8	675	430	105	700	455
125PQ330DIN-P-F	W603487	10	820	430	105	845	455
125PQ336DIN-P-F	W603488	12	900	430	105	925	455
125PQ342DIN-P-F	W603489	14	1000	430	105	1025	455
125PQ348DIN-P-F	W603490	16	1100	430	105	1125	455
Incomer:G- Frame MCCB - 125A maximum			Outgoing: PQ				
125PQ312G-P-F	W603491	4	520	430 <sup>③</sup>	105 <sup>①</sup>	545	455
125PQ318G-P-F	W603492	6	595	430	105	620	455
125PQ324G-P-F	W603493	8	675	430	105	700	455
125PQ330G-P-F	W603494	10	755	430	105	780	455
125PQ336G-P-F	W603495	12	900	430	105	925	455
125PQ342G-P-F	W603496	14	1000	430	105	1025	455
125PQ348G-P-F	W603497	16	1100	430	105	1125	455

①Option Depth 120mm

②Option Width 125mm

③Option Width 400mm

# Three Phase MCB Distribution Board (Flush Plug-in Type)

Catalogue number Flush Mounted	Ref. No.	Outgoing ways TP	Board dimension (mm)			Flush cover dimension(mm)	
			Height A	Width B	Depth C	Width D	Depth E
Incomer:F-Frame MCCB - 160 maximum			Outgoing: PQ				
160PQ312F-P-F	W603498	4	585	430 <sup>③</sup>	120 <sup>②</sup>	610	455
160PQ318F-P-F	W603499	6	650	430	120	685	455
160PQ324F-P-F	W603500	8	735	430	120	765	455
160PQ330F-P-F	W603501	10	850	430	120	875	455
160PQ336F-P-F	W603502	12	965	430	120	990	455
160PQ342F-P-F	W603503	14	10656	430	120	1090	455
160PQ348F-P-F	W603504	16	1165	430	120	1190	455
Incomer:J-Frame MCCB - 250 maximum			Outgoing: PQ				
250PQ312F-P-F	W603505	4	585	430 <sup>③</sup>	120 <sup>②</sup>	610	455
250PQ318F-P-F	W603506	6	650	430	120	685	455
250PQ324F-P-F	W603507	8	735	430	120	765	455
250PQ330F-P-F	W603508	10	850	430	120	875	455
250PQ336F-P-F	W603509	12	965	430	120	990	455
250PQ342F-P-F	W603510	14	10656	430	120	1090	455
250PQ348F-P-F	W603511	16	1165	430	120	1190	455

②Option Width 125mm

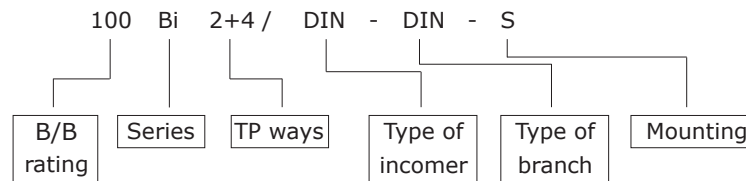
③Option Width 400mm

# Three Phase MCB Distribution Board (Split Surface)



## Catalogue Number and Selection Guide

Split busbar three phase distribution board "Bi" series



Split busbar three phase distribution board "Bi" series

Catalogue number	Ref.No.	Outgoing ways TP	Board dimension (mm)		
			Height A	Width B	Depth C
Flush Mounted					
Incomer types: MCB/RCCB/Switch disconnector-100A maximum-each split			Branch breakers: DIN		
100Bi- 2+2 /DIN-DIN-S	W603512	2+2	510	430 <sup>③</sup>	120 <sup>①</sup>
100Bi- 2+4 /DIN-DIN-S	W603513	2+4	565	430	120
100Bi- 4+4 /DIN-DIN-S	W603514	4+4	620	430	120
100Bi- 2+6 /DIN-DIN-S	W603515	2+6	620	430	120
100Bi- 4+6 /DIN-DIN-S	W603516	4+6	675	430	120
100Bi- 6+6 /DIN-DIN-S	W603517	6+6	730	430	120
100Bi- 2+8 /DIN-DIN-S	W603518	2+8	675	430	120
100Bi- 4+8 /DIN-DIN-S	W603519	4+8	730	430	120
100Bi- 6+8 /DIN-DIN-S	W603520	6+8	785	430	120
100Bi- 8+8 /DIN-DIN-S	W603521	8+8	840	430	120
100Bi- 2+10 /DIN-DIN-S	W603522	2+10	730	430	120
100Bi- 4+10 /DIN-DIN-S	W603523	4+10	785	430	120
100Bi- 6+10 /DIN-DIN-S	W603524	6+10	840	430	120
100Bi- 8+10 /DIN-DIN-S	W603525	8+10	895	430	120
100Bi- 10+10 /DIN-DIN-S	W603526	10+10	950	430	120
100Bi- 2+12 /DIN-DIN-S	W603527	2+12	785	430	120
100Bi- 4+12 /DIN-DIN-S	W603528	4+12	840	430	120
100Bi- 6+12 /DIN-DIN-S	W603529	6+12	895	430	120

①Option Depth 105mm

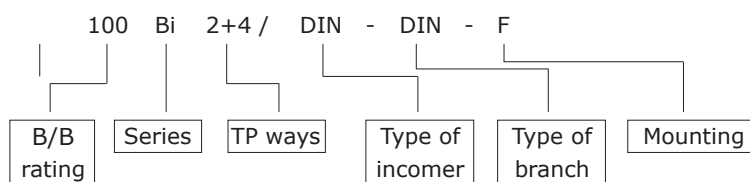
②Option Width 400mm

# Three Phase MCB Distribution Board (Split Flush)



## Catalogue Number and Selection Guide

Split busbar three phase distribution board "Bi" series



Split busbar three phase distribution board "Bi" series

Catalogue number Flush Mounted	Ref.No.	Outgoing ways TP	Board dimension (mm)			Flush cover dimension (mm)	
			Height A	Width B	Depth C	Height D	Width E
Incomer types: MCB/RCCB/Switch disconnector-100A maximum-each split    Branch breakers: DIN							
100Bi- 2+2 /DIN-DIN-F	W603530	2+2	510	430 <sup>②</sup>	105 <sup>①</sup>	535	455
100Bi- 2+4 /DIN-DIN-F	W603531	2+4	565	430	105	590	455
100Bi- 4+4 /DIN-DIN-F	W603532	4+4	620	430	105	645	455
100Bi- 2+6 /DIN-DIN-F	W603533	2+6	620	430	105	645	455
100Bi- 4+6 /DIN-DIN-F	W603534	4+6	675	430	105	700	455
100Bi- 6+6 /DIN-DIN-F	W603535	6+6	730	430	105	755	455
100Bi- 2+8 /DIN-DIN-F	W603536	2+8	675	430	105	700	455
100Bi- 4+8 /DIN-DIN-F	W603537	4+8	730	430	105	755	455
100Bi- 6+8 /DIN-DIN-F	W603538	6+8	785	430	105	810	455
100Bi- 8+8 /DIN-DIN-F	W603539	8+8	840	430	105	865	455
100Bi- 2+10 /DIN-DIN-F	W603540	2+10	730	430	105	755	455
100Bi- 4+10 /DIN-DIN-F	W603541	4+10	785	430	105	810	455
100Bi- 6+10 /DIN-DIN-F	W603542	6+10	840	430	105	865	455
100Bi- 8+10 /DIN-DIN-F	W603543	8+10	895	430	105	920	455
100Bi- 10+10 /DIN-DIN-F	W603544	10+10	950	430	105	975	455
100Bi- 2+12 /DIN-DIN-F	W603545	2+12	785	430	105	810	455
100Bi- 4+12 /DIN-DIN-F	W603546	4+12	840	430	105	865	455
100Bi- 6+12 /DIN-DIN-F	W603547	6+12	895	430	105	920	455

①Option Depth 120mm

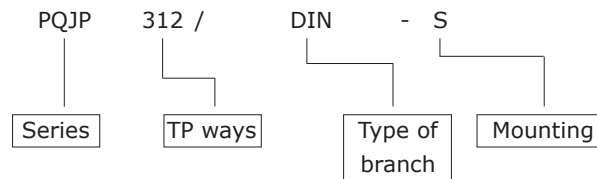
②Option Width 400mm

# Three Phase MCB Distribution Board (Split Flush & Surface Plug-in Type)



## Catalogue Number and Selection Guide

Split busbar three phase distribution board "Bi" series



Type Three Phase MCB Split Distribution Boards Surface

Catalogue number Surface Mounted	Ref.no.	Outgoing ways TP	Dimension (mm)		
			Height A	Width B	Depth C
Incomer types: MCB/RCCB/Switch disconnector100-A maximum			Outgoing: Plug-in Type		
PQJP312+06DIN-S	W603548	4+2	761	430 <sup>②</sup>	105 <sup>①</sup>
PQ P312+12DIN-S	W603549	4+4	837	430	105
PQJP312+18DIN-S	W603550	4+6	913	430	105
PQJP318+24DIN-S	W603551	6+8	989	430	105
PQ JP318+06DIN-S	W603552	6+2	837	430	105
PQJP318+12DIN-S	W603553	6+4	913	430	105
PQ JP318+18DIN-S	W603554	6+6	989	430	105
PQ JP330+12DIN-S	W603555	10+4	1065	430	105
PQ JP336+12DIN-S	W603556	12+4	1141	430	105

Type Three Phase MCB Split Distribution Boards Flush

Catalogue number Flush Mounted	Ref. No.	Outgoing ways TP	Board dimension (mm)			Flush cover dimension(mm)	
			Height A	Width B	Depth C	Height D	Width E
Incomer types: MCB/RCCB/Switch disconnector100-A maximum			Outgoing: Plug-in Type				
PQJP312+06DIN-F	W603557	4+2	761	430 <sup>②</sup>	105 <sup>①</sup>	786	455
PQJP312+12DIN-F	W603558	4+4	837	430	105	862	455
PQ JP312+18DIN-F	W603559	4+6	913	430	105	938	455
PQ JP318+24DIN-F	W603560	4+8	989	430	105	1014	455
PQ JP318+06DIN-F	W603561	6+2	837	430	105	862	455
PQJP318+12DIN-F	W603562	6+4	913	430	105	938	455
PQ JP318+18DIN-F	W603563	6+6	989	430	105	1014	455
PQ JP330+12DIN-F	W603564	10+4	1065	430	105	1090	455
PQ JP336+12DIN-F	W603565	12+4	1141	430	105	1166	455

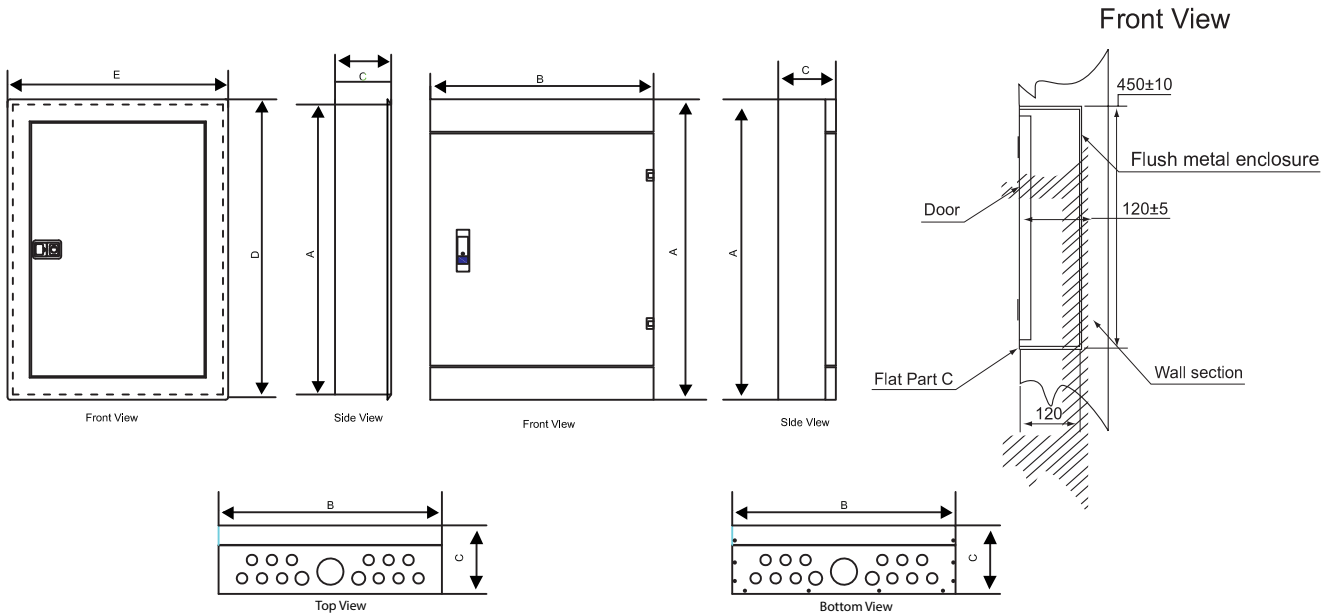
①Option Depth 120mm

② Option Width 400mm

# MCB Distribution Board Accessories

## Flush Type

## Surface Type



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Switchboard

### Dimensions(mm)

#### Maximum cable capacity

##### Incomer and feeders

- Neutral bar 10mm<sup>2</sup>
- Earth bar 10mm<sup>2</sup>
- MCB 25mm<sup>2</sup>
- RCD 63Amp-25mm<sup>2</sup>, 80&100Amp-50mm<sup>2</sup>
- RCBO 16mm<sup>2</sup>
- Switch disconnectors 125Amp-35mm<sup>2</sup>
- Direct cable Without incomer kit 35mm<sup>2</sup>  
With incomer kit 150mm<sup>2</sup>

##### "G" & "F" frame MCCB

- Without external box 100Amp-2.5 to 50mm<sup>2</sup>, 225Amp-25 to 70mm<sup>2</sup>
- Without external box 225Amp-95mm<sup>2</sup>

##### "J" frame MCCB

- Without external box 25 to 70mm<sup>2</sup>
- Without external box 25 to 185mm<sup>2</sup>

# Three Phase MCB Panel Boards Accessories

- To be used for additional cable space.
- To be used for the installation of additional control, metering or power components.
- 1.2mm sheet steel thickness.
- Epoxy powder paint finish RAL 7032.
- Easy to install.
- Removable front & bottom plate for direct access.

## Extension Boxes for MCB/RCCB(Top&Bottom)

Part No.	Ref. No.	Height (mm)	Width (mm)	Depth (mm)
CEXB105/200	W603566	200	430	105
CEXB105/400	W603567	400	430	105
CEXB120/200	W603568	200	430	120
CEXB120/400	W603569	400	430	120

## Extension Boxes for MCCB(Top&Bottom)

Part No.	Ref. No.	Height (mm)	Width (mm)	Depth (mm)
CEXB135/200	W603570	200	430	135
CEXB135/400	W603571	400	430	135

## Blanking Plates Accessories

Blanking plates are used to cover any space ways

Part No.	Ref. No.	Description
CBPMB	W603572	Blank plate for 1 pole MCB breakers
CBPG	W603573	Blank Plate for MCCB(G )Breakers
CBPF	W603574	Blank Plate forMCCB(F)Breakers