

Multi 9 Distribution Boards

Engineered to give wiring comfort with style



Schneider
Electric

Schneider Electric India

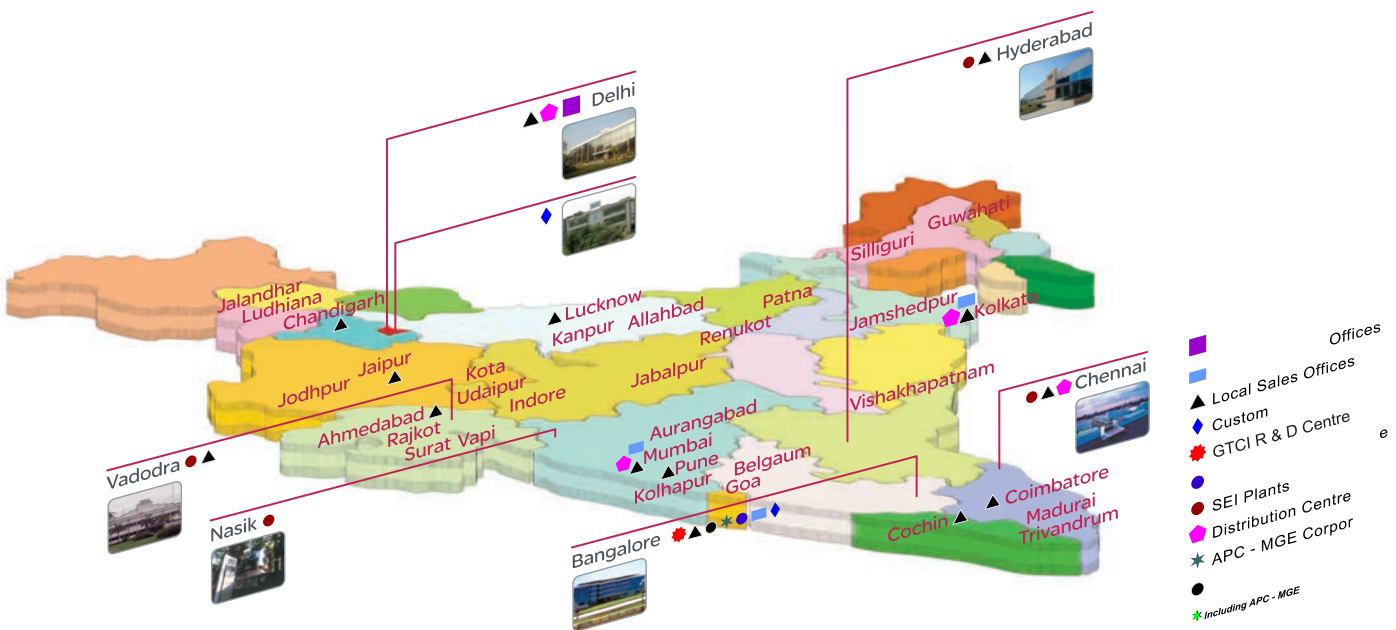
Schneider Electric is a global leader in providing solutions in the fields of power, voice data management and automation. Our vision, technological expertise, exemplary quality and futuristic outlook create the unmatched excellence of all our products, solutions and services. It is our mission

“To give the best of the New Electric World to everyone, everywhere, at any time and to make electric power safer, easier and more environment friendly to use.”

As specialists in the management of electricity and automation, we are committed to converting electricity into smart energy that powers the way we work, live and play. Developing technologies, processes and solutions that are so simple, efficient and environment friendly that you forget they're even there, we are making tomorrow's world a better place to be in.

Setting new benchmarks in the global industry today, Schneider Electric has:

- 5500 Employees
- 9 Industrial Sites
- 33 Regional Offices
- 600 Distributors
- 40 Authorised Service Centres
- 49 System Integrators
- 19 Resident Engineers
- 2 Customer Care Centre
- 5 Distribution Centres
- 70 Panel Builders
- 2 R&D Centres in Bangalore





Multi 9 Sheet Steel Distribution Boards

A Distribution Board is the point at which an incoming-power supply divides into separate circuits, each of which is controlled and protected by the switchgear of the board. A Distribution Board is divided into a number of functional units, each comprising of, all the electrical and mechanical elements, that contribute to the fulfillment of a given function. The Distribution board represents a key link in the dependability chain.

Consequently, the type of Distribution Board must be perfectly adapted to its application. Its design and construction must comply with the applicable standards and working practices.

A Distribution Board provides dual protection:

- Protection of Circuit protection devices, indicating devices, measuring devices, etc. against mechanical impacts, vibrations and other external influences likely to interfere with the operational integrity. (EMI, dust, moisture, vermin, etc.)
- Protection of human life against the possibility of direct and indirect electric shock.

Schneider Electric, with decades of expertise in the electrical field, launches, the state-of-the-art range of Distribution Boards. The range consists of metallic enclosures, with unique design and more safety. Its unique ability to accommodate wide range of modular products enables the same board to be configured to suit Residential, Commercial and Industrial applications.



Distribution Board providing dual benefits

- Flexibility
- Safety



Intelligent Solutions to Final Power Distribution



Thinking of adding brand value to your installation devices?

Yearning for an aesthetically designed home / office interior?

Need technical assistance with installation related queries?

After proven performance of Schneider Electric's Multi 9 MCBs, now you have the opportunity to experience Multi 9 range of Sheet Steel Distribution Boards.

This new electrical distribution board is integrated better into buildings whether industrial or commercial, recognised with its unique and attractive front facia.

Thanks to its unique features, including Cement Spill Protector and Detachable Chassis Concept, it is easier to install.

You will certainly find the solution to your needs with this new range of Multi 9 Sheet Steel Distribution Boards which you no longer need to hide !



Multi 9 provides an intelligent solution:

- Brand Value
- Aesthetic looks
- User Friendly

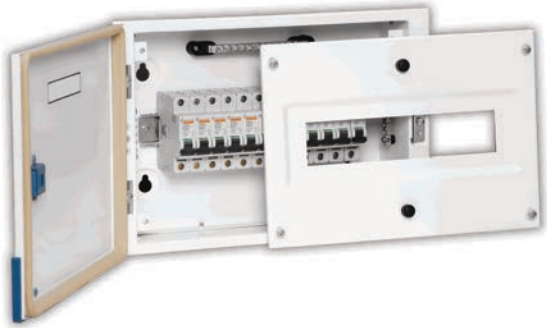
Unique Design Features

Integrated Frame design

Multi 9 range of DBs have a unique feature of the frame integrated into the U-Box.

Benefits:

- Simple 3-part Modular Construction.
- Leads to less number of subassembly.
- Increase in the cable space accessibility.



Reversible door

By simply shifting the hinge assembly from left to right the opening of the door can be interchanged depending on the location of the installation.

Benefits:

- Flexibility in selection for type of opening in case of space constraint.



Zero Error Installation

The DB frame eliminates the probability of error occurring in flush mounting installation

Benefits:

- Reduction in installation time.
- Increase in mounting accuracy.



Detachable chassis concept

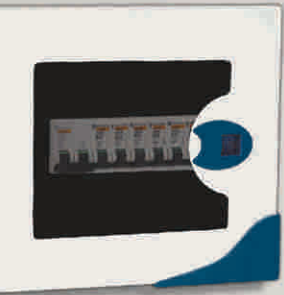
This concept facilitates detaching of the chassis from the DB and the required wiring for the circuit protection devices can be done at a comfortable location.

Benefits:

- Ease and comfort in internal wiring.
- Reduction in installation time and cost.



cont...



Unique Design Features

Cement Spill Protector (CSP)

The CSP ensures no dust or cement particles will enter DBs during the construction period at site. The installation guidelines are mentioned elaborately on CSP.

Benefits:

- No accumulation of dust / cement particle inside the DBs
- The probable damage of the door is avoided.



Front door aesthetics. (Door Knob, Corner Piece, Styling)

The stylish front facia of the DB gives an alluring dimension to your interiors.

Benefits:

- Blends with any interiors
- A Distribution board that you no longer need to hide !

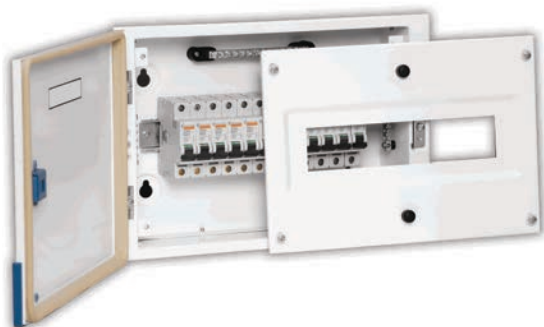


Independent Intermittent Shield

The shield of the DB can be removed without the removal of the door.

Benefits:

- Maintenance friendly design

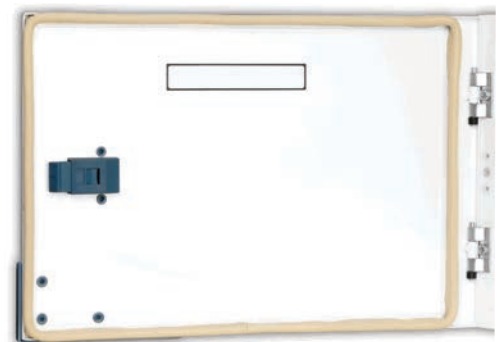


Ingress protection levels

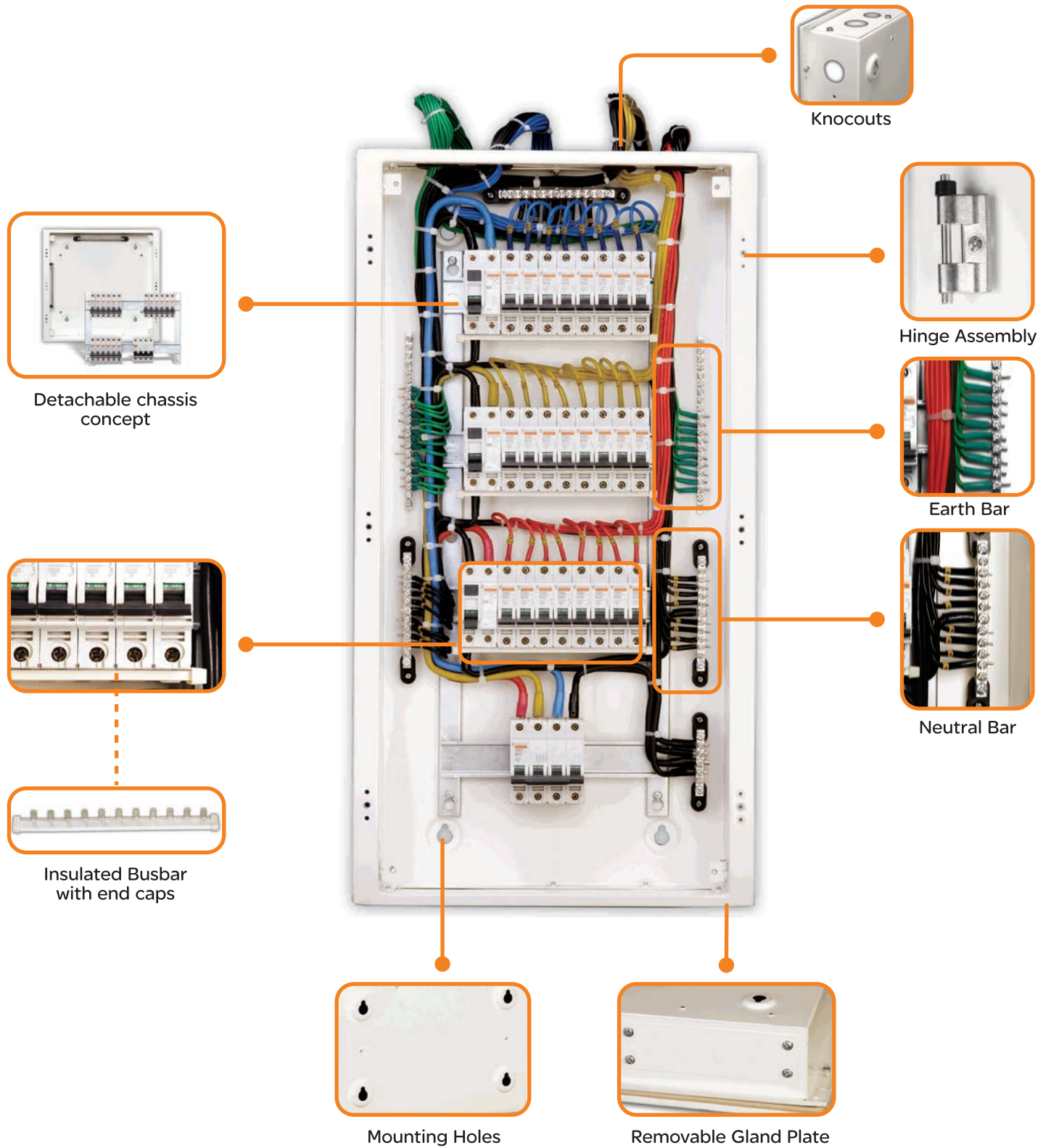
Degree of protection (IP) ensures the protection of the enclosure against dust and water. Multi 9 DBs are designed as per IP 43 for double door and IP 30 for single door.

Benefits:

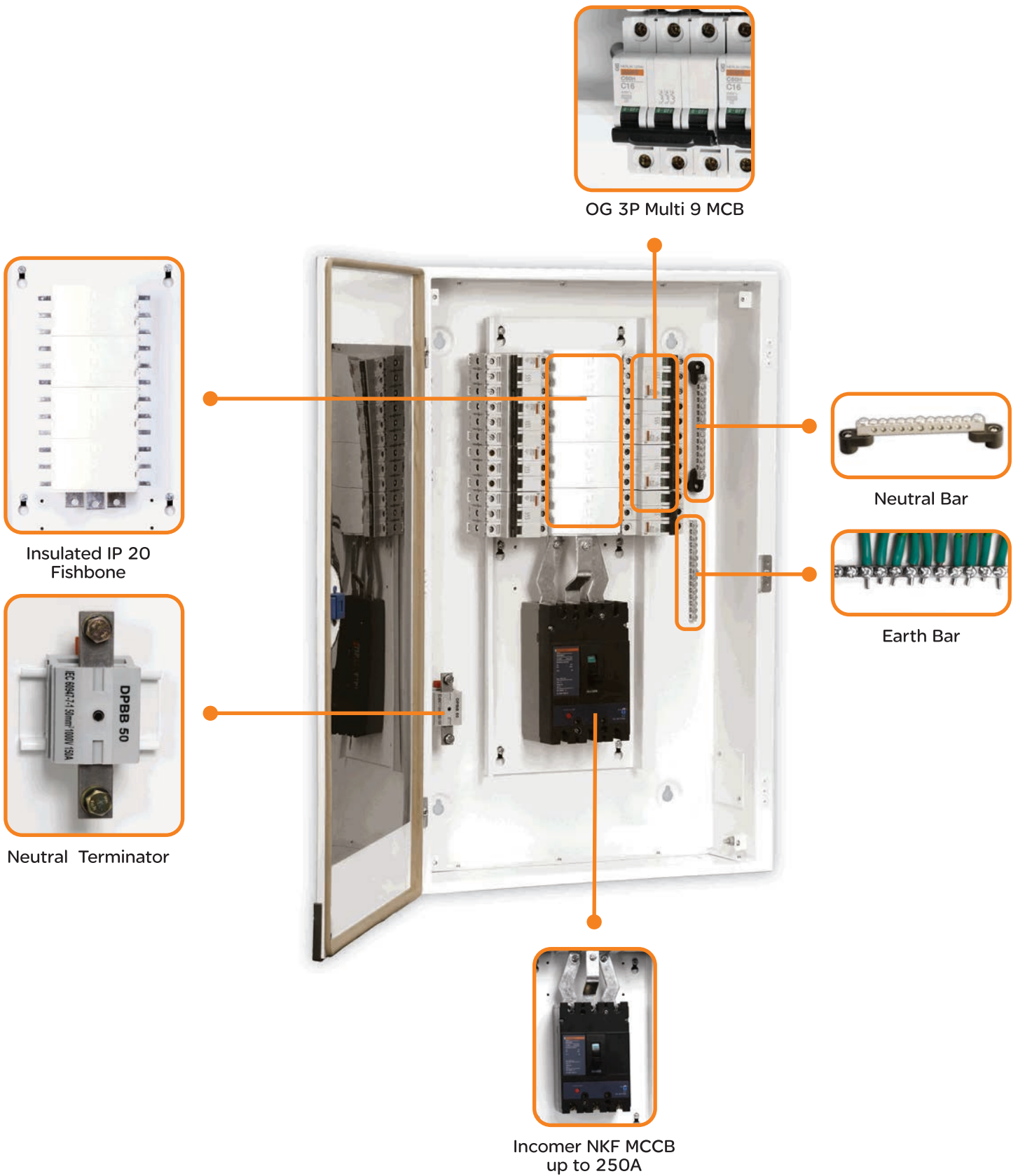
- Total protection against dust and water particles



Salient Features of Wired PPI



Salient Features of Vertical DB



Schneider Electric's Range of Multi 9 Distribution Boards

Product Range At A Glance

- In Compliance with IS 8623-3.
- Supplied with bus bars, wire sets and blanking plates.
- Ingress Protection IP 43 for DD and IP 30 for SD as per IEC 60529.
- Dielectric Strength: 2.5KV per second.
- Surface and Flush Mounting.
- Removable Chassis.
- DB colour: White RAL9016

Product	I/C Current Rating	Incomer	Sub - Incomer	Outgoing
SPN DB	upto 63A	SPN/DP	-	SP MCB
TPN DB	upto 100A	TP/TPN/FP	-	SP MCB
Per Phase Isolation DB	upto 100A	TP/TPN/FP	DP MCB/RCCB/RCBO	SP MCB
Tier DB	upto 100A	TP/TPN/FP	-	SP MCB
Phase Segregated DB	upto 100A	TP/TPN/FP	FP MCB/RCCB/RCBO	SP MCB
Vertical DB with MCB I/C	upto 100A	8 Module Multi 9 MCB	-	SP/TP MCB
Vertical DB with 100 A MCCB I/C	upto 100A	3P 100A NKF D-Range MCCB	-	SP/TP MCB
Vertical DB with 160 A MCCB I/C	upto 160A	3P/4P upto 160A NKF C-Range MCCB	-	SP/TP MCB
Vertical DB with 250 A MCCB I/C	upto 250A	3P/4P upto 250A NKF C-Range MCCB	-	SP/TP MCB

Applications:



Residential



SPN DB



Industry



VERTICAL DB



Building



TPN DB



IT Industry



PPI DB



Multi 9 Sheet Steel Distribution Boards

Single Phase DB

Reference	Total Capacity in mod* width	Description
MGNSPNDD04	4	4 way SPN DD DB
MGNSPNDD06	6	6 way SPN DD DB
MGNSPNDD08	8	8 way SPN DD DB
MGNSPNDD12	12	12 way SPN DD DB
MGNSPNDD16	16	16 way SPN DD DB
MGNSPNSD04	4	4 way SPN SD DB
MGNSPNSD06	6	6 way SPN SD DB
MGNSPNSD08	8	8 way SPN SD DB
MGNSPNSD12	12	12 way SPN SD DB
MGNSPNSD16	16	16 way SPN SD DB
MGNSPNDD04T	4	4 way SPN Acrylic-DD DB
MGNSPNDD06T	6	6 way SPN Acrylic-DD DB
MGNSPNDD08T	8	8 way SPN Acrylic-DD DB
MGNSPNDD12T	12	12 way SPN Acrylic-DD DB
MGNSPNDD16T	16	16 way SPN Acrylic-DD DB

Single Door



Double Door



Acrylic Door



Three Phase DB

Reference	I/C Capacity in mod* width	O/G Capacity per phase in mod* width	Description
MGNTPNDD04I	4	4	4 way TPN DD DB with 4 mod I/c
MGNTPNDD04	8	8	4 way TPN DD DB
MGNTPNDD06	8	8	6 way TPN DD DB
MGNTPNDD08	8	8	8 way TPN DD DB
MGNTPNDD12	8	8	12 way TPN DD DB
MGNTPNSD04I	4	4	4 way TPN SD DB with 4 mod I/c
MGNTPNSD04	8	8	4 way TPN SD DB
MGNTPNSD06	8	8	6 way TPN SD DB
MGNTPNSD08	8	8	8 way TPN SD DB
MGNTPNSD12	8	8	12 way TPN SD DB
MGNTPNDD04IT	4	4	4 way TPN DD DB with 4 mod I/c-Acrylic Door
MGNTPNDD04T	8	8	4 way TPN Acrylic- DD DB
MGNTPNDD06T	8	8	6 way TPN Acrylic-DD DB
MGNTPNDD08T	8	8	8 way TPN Acrylic-DD DB
MGNTPNDD12T	8	8	12 way TPN Acrylic-DD DB

Single Door



Double Door



Acrylic Door



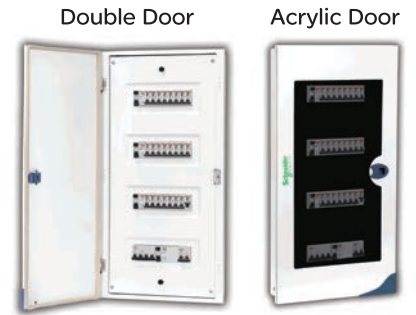
IP 54 Available on request.

* 1 mod = 18 mm

Multi 9 Sheet Steel Distribution Boards

Per Phase Isolation DB

Reference	I/C Capacity in mod* width	Sub - I/C Capacity per phase in mod* width	O/G Capacity per phase in mod* width	Description
MGNPPIDDO6	4	2	6	6+2 TPN PPI DD DB
MGNPPIDDO8	4	2	8	8+2 Tier PPI DD DB
MGNPPIDD12	4	2	12	12+2 Tier PPI DD DB
MGNPPIDDO6T	4	2	6	6+2 TPN PPI Acrylic DD DB
MGNPPIDDO8T	4	2	8	8+2 Tier PPI Acrylic DD DB
MGNPPIDD12T	4	2	12	12+2 Tier PPI Acrylic DD DB



TIER DB

Reference	Total Capacity per tier in Mod* width	No. of Tiers	Description
MGN2T24MDD	12	2	2 tier 24 module DD DB
MGN3T36MDD	12	3	3 tier 36 module DD DB
MGN4T40MDD	10	4	4 tier 40 module DD DB
MGN4T56MDD	14	4	4 tier 56 module DD DB
MGN2T24MDDT	12	2	2 tier 24 module Acrylic-DD DB
MGN3T36MDDT	12	3	3 tier 36 module Acrylic-DD DB
MGN4T40MDDT	10	4	4 tier 40 module Acrylic-DD DB
MGN4T56MDDT	14	4	4 tier 56 module Acrylic-DD DB



Phase Segregated DB 7-Segment

Reference	I/C Capacity in mod* width	Sub - I/C Capacity per phase in mod* width	O/G Capacity per phase in mod* width	Description
MGNPSGDD04	8	4	4	4 way phase segregated DD DB
MGNPSGDD06	8	4	6	6 way phase segregated DD DB
MGNPSGDD08	8	4	8	8 way phase segregated DD DB
MGNPSGDD12	8	4	12	12 way phase segregated DD DB



IP 54 Available on request.

* 1 mod = 18 mm

Multi 9 Sheet Steel Distribution Boards

Metal Enclosures

Reference	Total Capacity in mod* width	Description
MGNME02M	2	2 way metal enclosure
MGNME04M	4	4 way metal enclosure



Vertical DBs

Reference	Total Capacity in mod* width	Description
Vertical DB with provision for 8P(MCB I/C) incomer		
MGNVTPNDD04	12	4 way vertical DD DB
MGNVTPNDD08	24	8 way vertical DD DB
MGNVTPNDD12	36	12 way vertical DD DB
MGNVTPNDD04T	12	4 way vertical Acrylic DD DB
MGNVTPNDD08T	24	8 way vertical Acrylic DD DB
MGNVTPNDD12T	36	12 way vertical Acrylic DD DB
Vertical DB with provision for 3P 100A NKF D MCCB incomer (Simpact)		
MGNV10MDD04	12	4 way vertical DD DB
MGNV10MDD08	24	8 way vertical DD DB
MGNV10MDD12	36	12 way vertical DD DB
MGNV10MDD04T	12	4 way vertical Acrylic DD DB
MGNV10MDD08T	24	8 way vertical Acrylic DD DB
MGNV10MDD12T	36	12 way vertical Acrylic DD DB
Vertical DB with provision for 3P/4P upto 160A NKF C MCCB incomer(Simpact)		
MGNV16MDD04	12	4 way vertical DD DB
MGNV16MDD08	24	8 way vertical DD DB
MGNV16MDD12	36	12 way vertical DD DB
MGNV16MDD04T	12	4 way vertical Acrylic DD DB
MGNV16MDD08T	24	8 way vertical Acrylic DD DB
MGNV16MDD12T	36	12 way vertical Acrylic DD DB
Vertical DB with provision for 3P/4P upto 250A NKF C MCCB incomer(Simpact)		
MGNV25MDD04	12	4 way vertical DD DB
MGNV25MDD08	24	8 way vertical DD DB
MGNV25MDD12	36	12 way vertical DD DB
MGNV25MDD04T	12	4 way vertical Acrylic DD DB
MGNV25MDD08T	24	8 way vertical Acrylic DD DB
MGNV25MDD12T	36	12 way vertical Acrylic DD DB

Double Door



Acrylic Door



Double Door



Acrylic Door



IP 54 Available on request.

* 1 mod = 18 mm

Multi 9 Sheet Steel Distribution Boards

Electra Plug & Socket DBs

Reference	Total Capacity in mod* width	Description
MGNPSS1P10	1	10 A SP plug & socket DB
MGNPSS1P20	1	20 A SP plug & socket DB
MGNPST3P20	3	20 A TP plug & socket DB
MGNPST3P30	3	30 A TP plug & socket DB



Features:

- Suitable for protection of appliances like ACs, Geysers.
- Provided with Electra Plug & Socket.

PK Plug & Socket DBs

Reference	Total Capacity in mod* width	Description
MGNPS3P16	2	DB with prov to mount 3 pin 16A P&S
MGNPS3P32	2	DB with prov to mount 3 pin 32A P&S
MGNPS5P32	4	DB with prov to mount 5 pin 32A P&S
MGNPS5P63	4	DB with prov to mount 5 pin 63A P&S

Features:

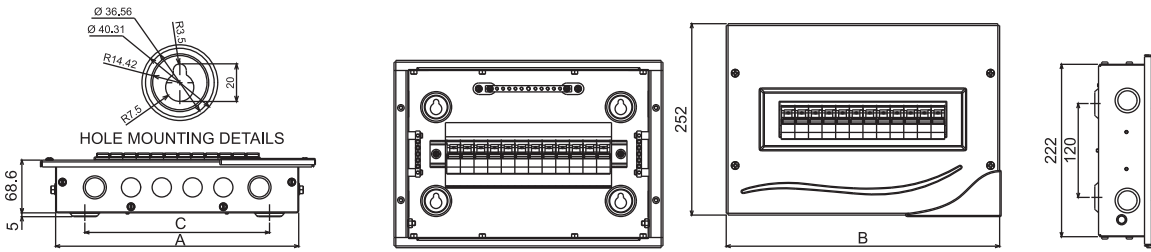
- Suitable for Commercial/ Industrial Installation.
- Provision to mount angled PK Plug & Sockets.

IP 54 Available on request.

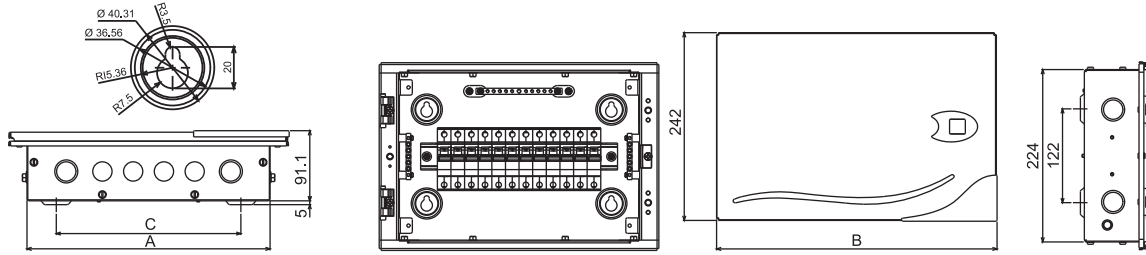
* 1 mod = 18 mm

Dimensions: SPN DBs

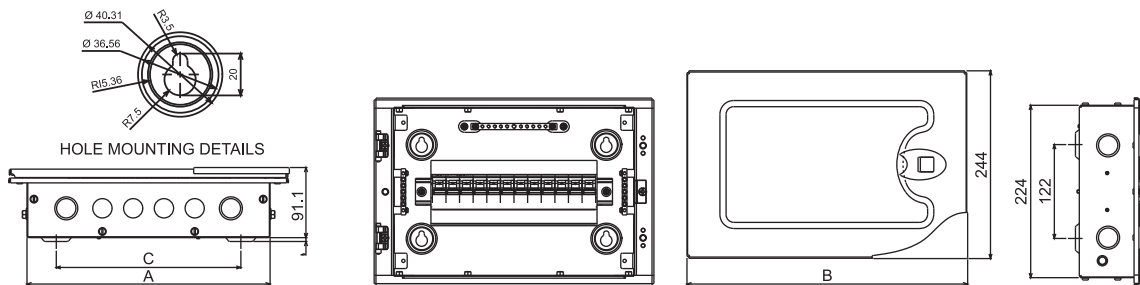
Single Door



Double Door



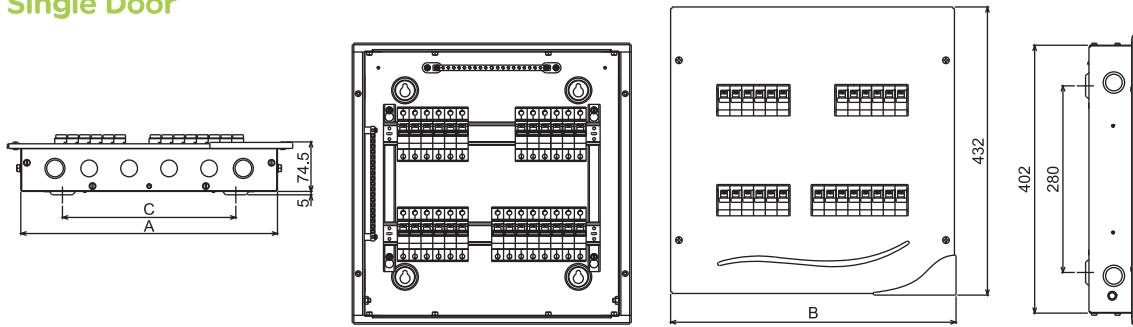
Acrylic Door



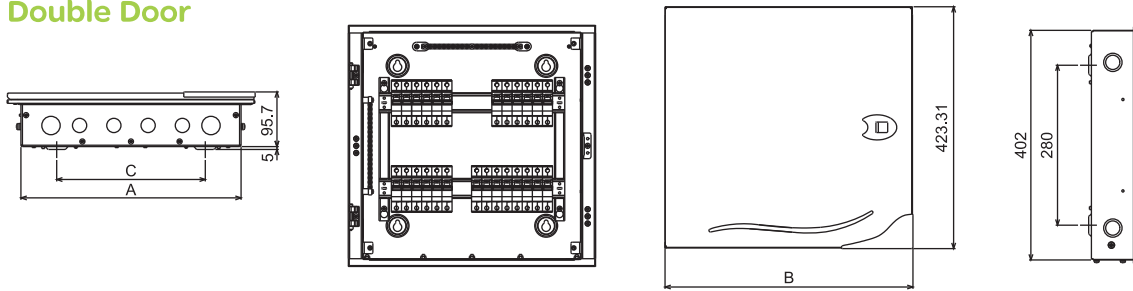
SPN-Single Door-IP30										
Sl.No.	Cat. No.	No. of ways	A	B	C	Top		Bottom		Sides
						Ø 32	Ø 25	Ø 32	Ø 25	Ø 32
						Knock out	Knock out	Knock out	Knock out	Knock out
1	MGNSPNSD04	4	172	216	96	2 nos.	0	2 nos.	0	2nos.
2	MGNSPNSD06	6	208	252	132	2 nos.	1 no.	2 nos.	1 no.	2nos.
3	MGNSPNSD08	8	244	288	168	2 nos.	2 nos.	2 nos.	2 nos.	2nos.
4	MGNSPNSD12	12	316	360	240	2 nos.	3 nos.	2 nos.	3 nos.	2nos.
5	MGNSPNSD16	16	408	452	332	2 nos.	4 nos.	2 nos.	4 nos.	2nos.
SPN-Double Door/Acrylic Door-IP43										
1	MGNSPNDD/AD04	4	172	221	96	2 nos.	0	2 nos.	0	2nos.
2	MGNSPNDD/AD06	6	208	257	132	2 nos.	1 no.	2 nos.	1 no.	2nos.
3	MGNSPNDD/AD08	8	244	293	168	2 nos.	2 nos.	2 nos.	2 nos.	2nos.
4	MGNSPNDD/AD12	12	316	365	240	2 nos.	3 nos.	2 nos.	3 nos.	2nos.
5	MGNSPNDD/AD16	16	408	457	332	2 nos.	4 nos.	2 nos.	4 nos.	2nos.

Dimensions: TPN DBs

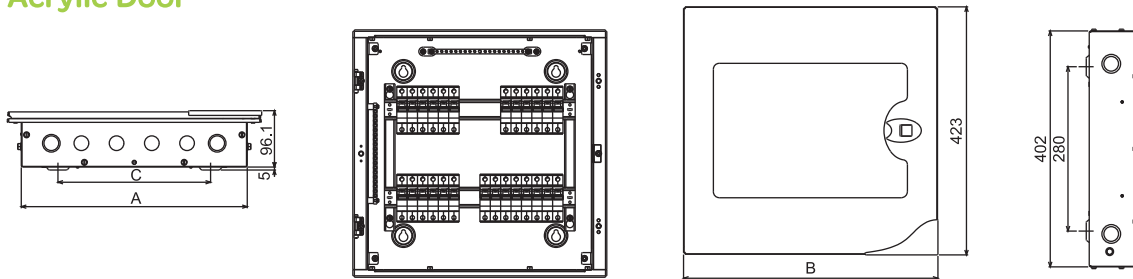
Single Door



Double Door



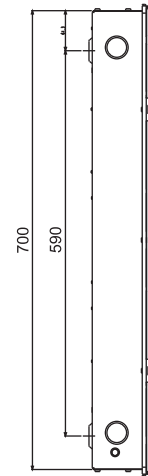
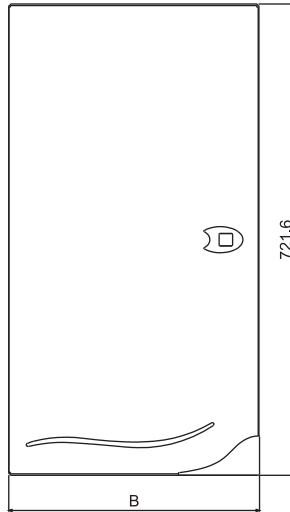
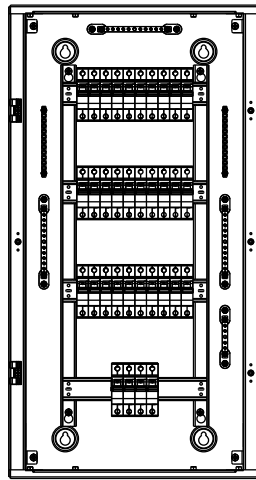
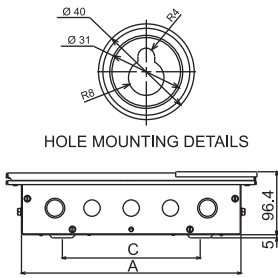
Acrylic Door



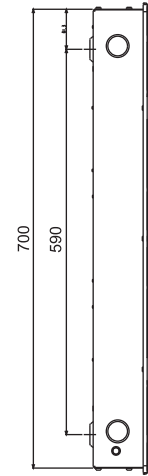
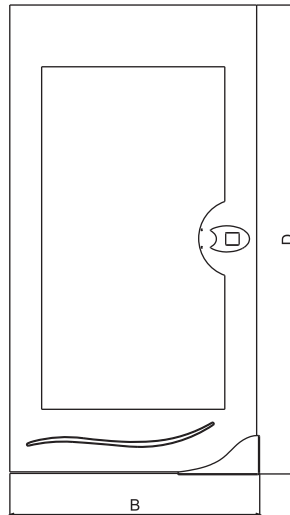
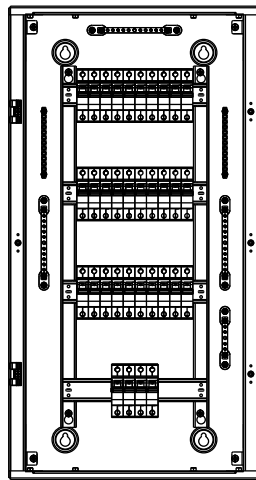
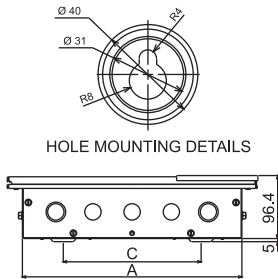
TPN-Single Door-IP30										
Sl.No.	Cat. No.	No. of ways	A	B	C	Top		Bottom		Sides
						Ø 32 Knock out	Ø 25 Knock out	Ø 32 Knock out	Ø 25 Knock out	Ø 32 Knock out
1	MGNTPNSD04I	4	313	357	188	2 nos.	3 nos.	2 nos.	3 nos.	2nos.
2	MGNTPNSD04	4	349	393	224	2 nos.	3 nos.	2 nos.	3 nos.	2nos.
3	MGNTPNSD06	6	385	429	260	2 nos.	4 nos.	2 nos.	4 nos.	2nos.
4	MGNTPNSD08	8	431	475	306	2 nos.	5 nos.	2 nos.	5 nos.	2nos.
5	MGNTPNSD12	12	575	619	450	2 nos.	7 nos.	2 nos.	7 nos.	2nos.
TPN-Double Door/Acrylic Door-IP43										
1	MGNTPNDD/AD04I	4	313	362	188	2 nos.	3 nos.	2 nos.	3 nos.	2nos.
2	MGNTPNDD/AD04	4	349	398	224	2 nos.	3 nos.	2 nos.	3 nos.	2nos.
3	MGNTPNDD/AD06	6	385	434	260	2 nos.	4 nos.	2 nos.	4 nos.	2nos.
4	MGNTPNDD/AD08	8	431	480	306	2 nos.	5 nos.	2 nos.	5 nos.	2nos.
5	MGNTPNDD/AD12	12	575	624	450	2 nos.	7 nos.	2 nos.	7 nos.	2nos.

Dimensions: PPI DBs

Double Door



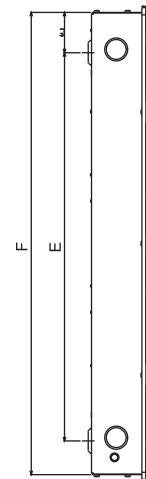
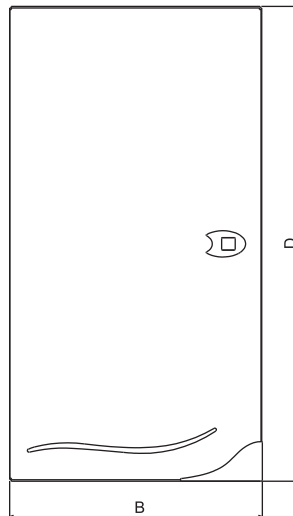
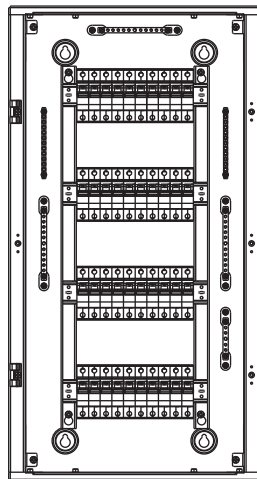
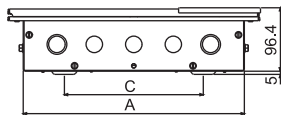
Acrylic Door



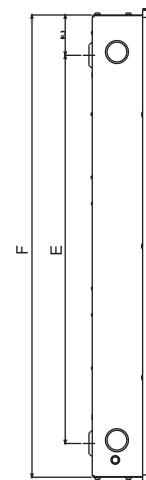
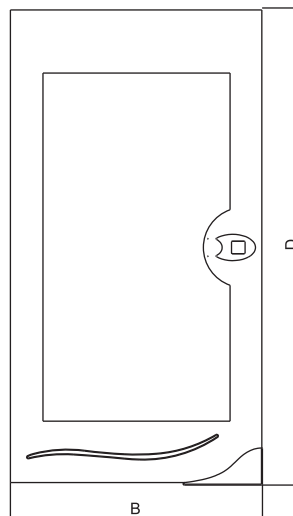
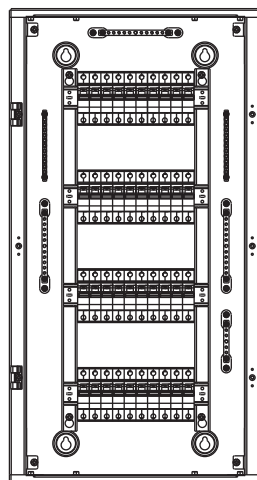
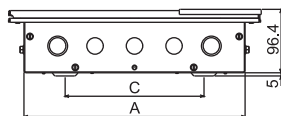
PPI-Double Door/Acrylic Door-IP43									
Sl.No.	Cat. No.	No. of ways	A	B	C	Top		Bottom	
						Ø 30 Knock out	Ø 25 Knock out	Ø 30 Knock out	Ø 25 Knock out
1	MGNPPIDD/AD06	6	500	549	375	2 nos.	6 nos.	2 nos.	6 nos.
2	MGNPPIDD/AD08	8	336	385	211	2 nos.	3 nos.	2 nos.	3 nos.
3	MGNPPIDD/AD12	12	408	457	283	2 nos.	4 nos.	2 nos.	4 nos.

Dimensions: TIER DBs

Double Door



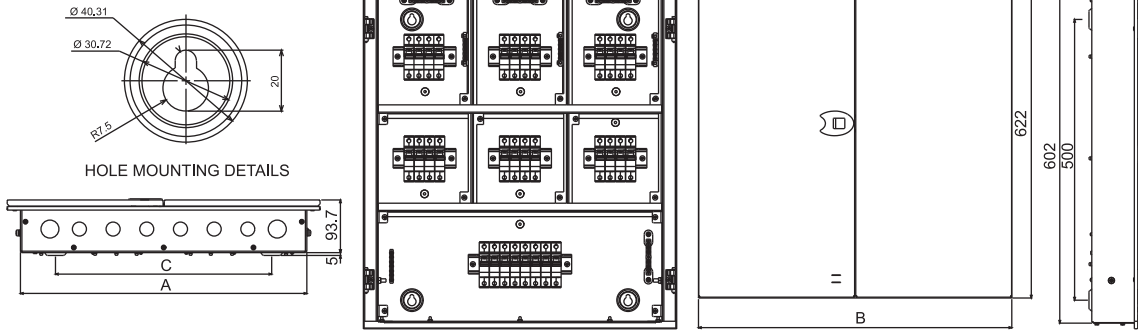
Acrylic Door



TIER-Double Door/Acrylic Door-IP43														
Sl. No.	Cat. No.	No. of ways	A	B	C	D	E	F	Top		Bottom		Sides	TIER (T)
									Ø 30 Knock out	Ø 25 Knock out	Ø 30 Knock out	Ø 25 Knock out	Ø 30 Knock out	
1	MGN2T24MDD/AD	-	336	385	211	422	280	402	2	3	2	3	2	2
2	MGN3T36MDD/AD	-	372	421	249	572	440	552	2	4	2	4	2	3
3	MGN4T40MDD/AD	-	336	385	211	722	590	702	2	3	2	3	2	4
4	MGN4T56MDD/AD	-	408	457	283	722	590	702	2	4	2	4	2	4

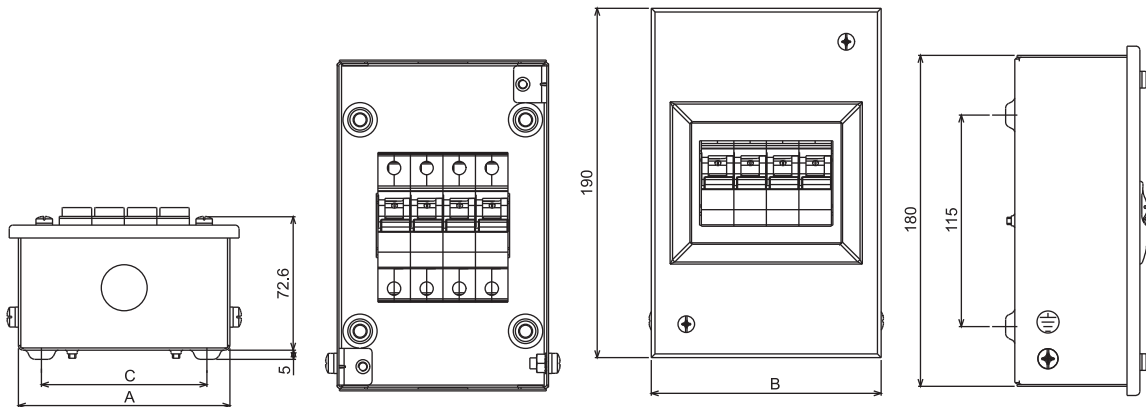
Dimensions: Phase Segregated (PSG) DBs

Double Door



PSG-Double Door-IP43									
Sl.No.	Cat. No.	No. of ways	A	B	C	Top		Bottom	
						Ø 30 Knock out	Ø 25 Knock out	Ø 30 Knock out	Ø 25 Knock out
1	MGNPSGDD04	4	510	558	385	2 nos.	9 nos.	2 nos.	3 nos.
2	MGNPSGDD06	6	618	666	493	2 nos.	12 nos.	2 nos.	4 nos.
3	MGNPSGDD08	8	726	774	601	2 nos.	15 nos.	2 nos.	5 nos.
4	MGNPSGDD12	12	942	990	817	2 nos.	18 nos.	2 nos.	6 nos.

Dimensions: METAL ENCLOSURE

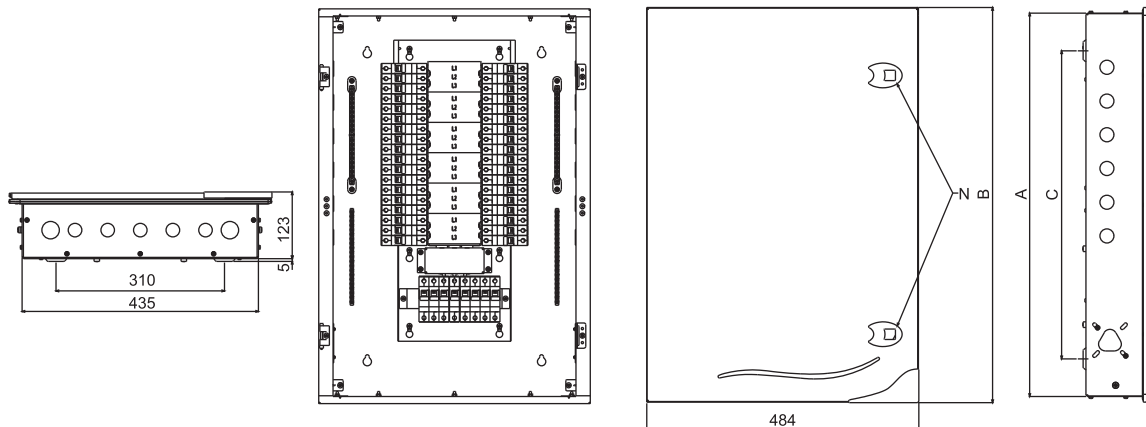


METAL ENCLOSURE							
Sl.No.	Cat. No.	No. of ways	A	B	C	Top	Bottom
						Ø 25 Knock out	Ø 25 Knock out
1	MGNME02M	2	80	95	60	1 no.	1 no.
2	MGNME04M	4	115	130	70	1 no.	1 no.

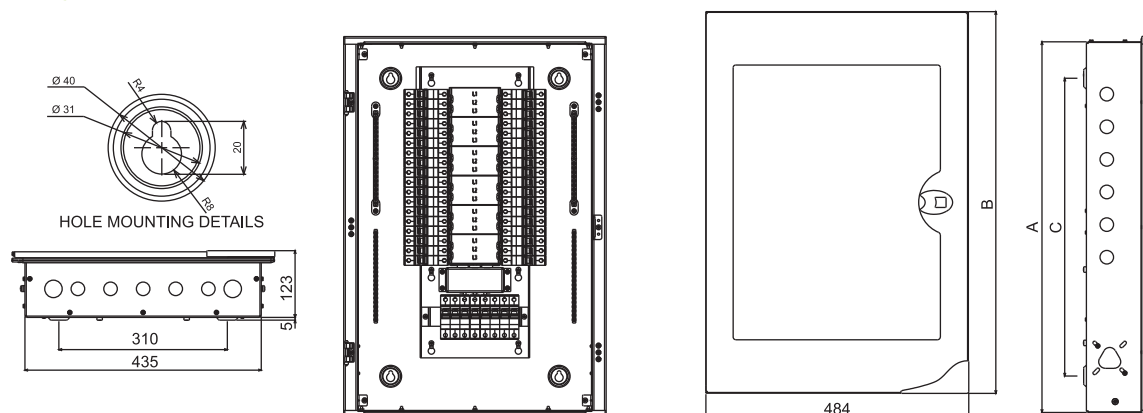
Dimensions: Vertical DBs

VTPN-63A-MCB I/C

Double Door



Acrylic Door

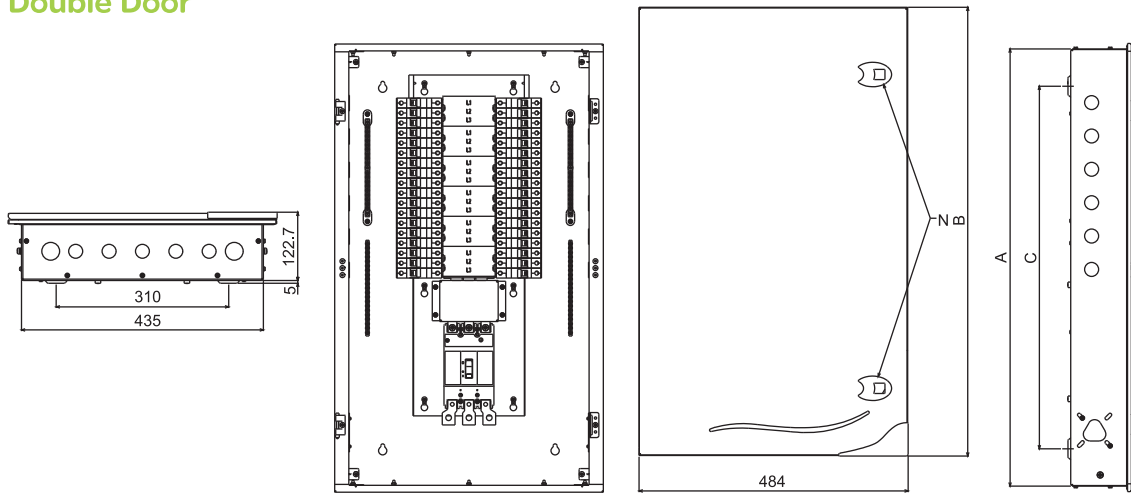


VTPN-63A-MCB I/C IP43 Double Door/Acrylic Door											
Sl.No.	Cat. No.	No. of ways	A	B	C	Top		Bottom		Sides	N
						Ø 30 Knock out	Ø 25 Knock out	Ø 30 Knock out	Ø 25 Knock out	Ø 30 Knock out	No. of knobs
1	MGNVTPNDD/AD04	4	464	422	332	2 nos.	5 nos.	2 nos.	5 nos.	3nos.	1 no.
2	MGNVTPNDD/AD08	8	572	530	440	2 nos.	5 nos.	2 nos.	5 nos.	4nos.	1 no.
3	MGNVTPNDD/AD12	12	680	700	548	2 nos.	5 nos.	2 nos.	5 nos.	6nos.	2 nos.

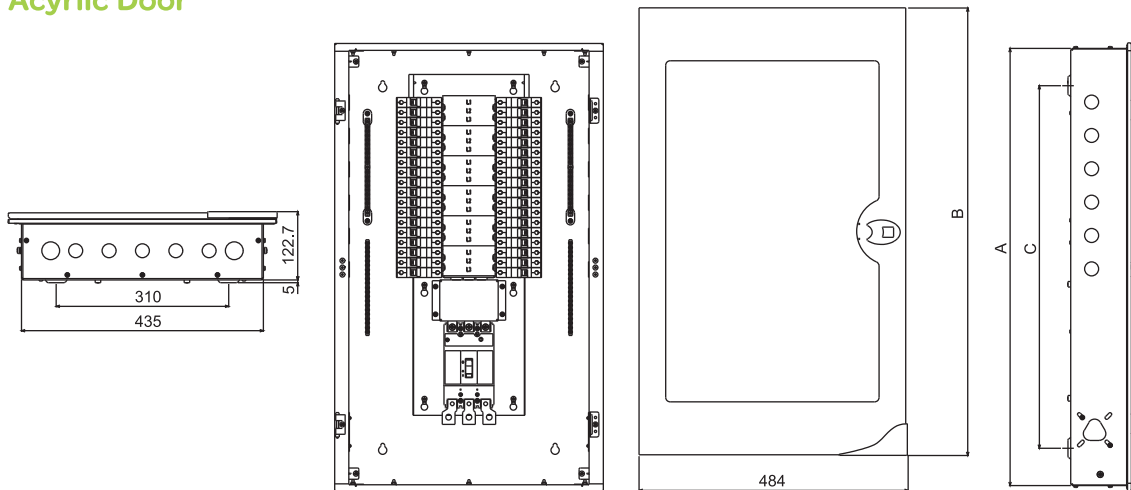
Dimensions: Vertical DBs

Vertical-100A-MCCB I/C

Double Door



Acrylic Door

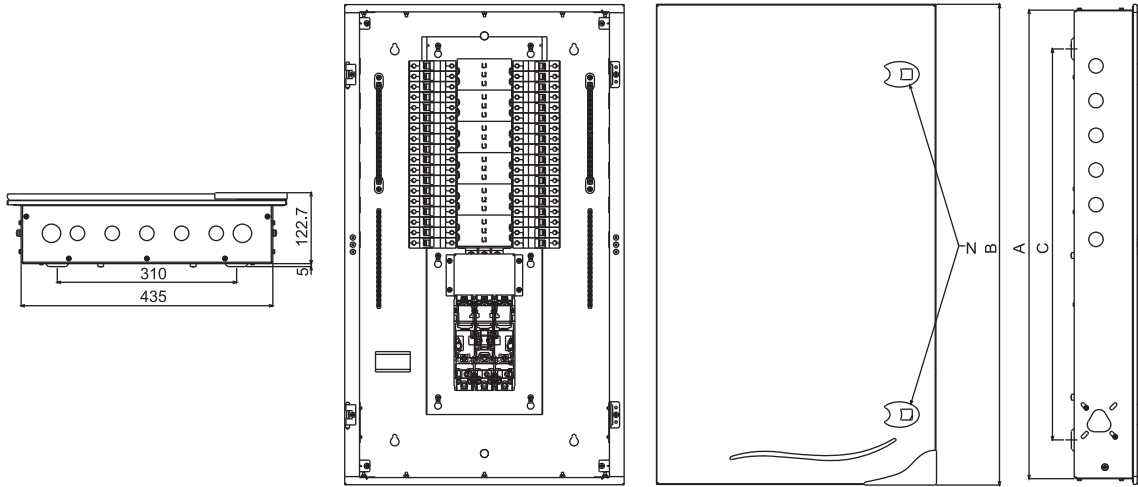


VTPN-100A-MCCB I/C IP43 Double Door/Acrylic Door											
Sl.No.	Cat. No.	No. of ways	A	B	C	Top		Bottom		Sides	N
						Ø 30 Knock out	Ø 25 Knock out	Ø 30 Knock out	Ø 25 Knock out	Ø 30 Knock out	No. of knobs
1	MGNV10MDD/AD04	4	570	590	436	2	5	2	5	3	1
2	MGNV10MDD/AD08	8	678	698	544	2	5	2	5	4	1
3	MGNV10MDD/AD12	12	786	806	652	2	5	2	5	6	2

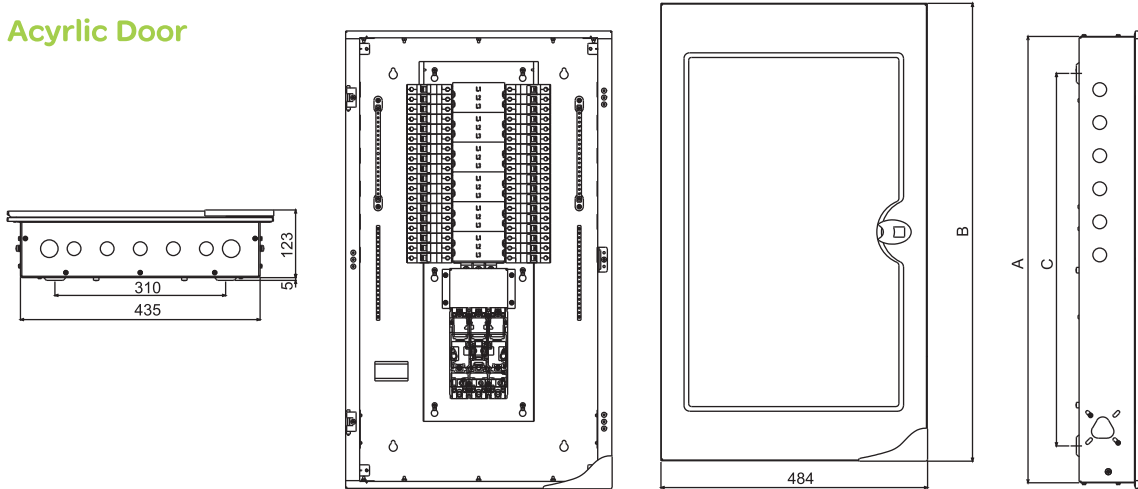
Dimensions: Vertical DBs

Vertical-250A/160A MCCB I/C

Double Door

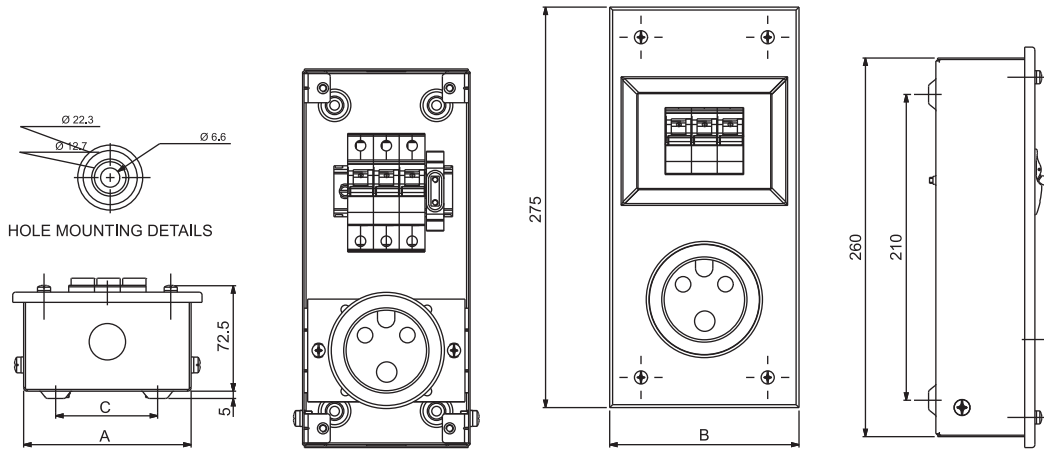


Acrylic Door



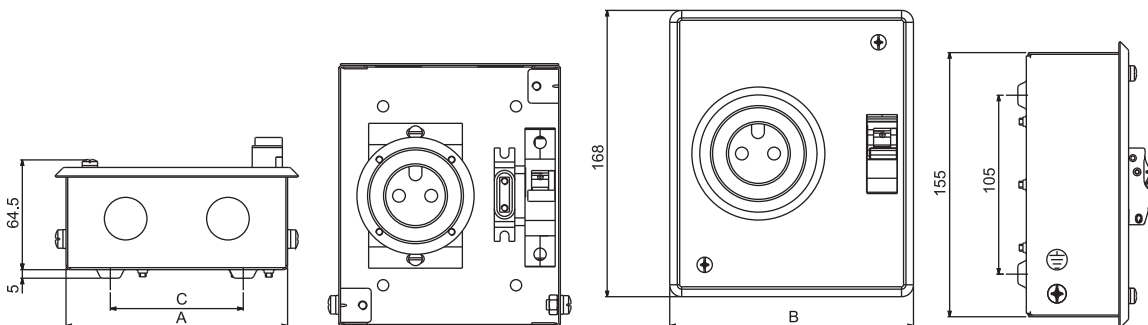
VTPN-250A/160A MCCB I/C IP43 Double Door/Acrylic Door											
Sl.No.	Cat. No.	No. of ways	A	B	C	Top		Bottom		Sides	N
						Ø 30 Knock out	Ø 25 Knock out	Ø 30 Knock out	Ø 25 Knock out	Ø 30 Knock out	No. of knobs
1	MGNV25MDD04T	4	594	615	460	2 nos.	5 nos.	2 nos.	5 nos.	3nos.	1
2	MGNV25MDD08T	8	702	723	568	2 nos.	5 nos.	2 nos.	5 nos.	4nos.	1
3	MGNV25MDD12T	12	810	831	678	2 nos.	5 nos.	2 nos.	5 nos.	6nos.	2

Dimensions: TPN P&S



TPN-Plug & Socket							
Sl.No.	Cat. No.	No. of ways	A	B	C	Top	
						Ø 25 Knock out	Ø 25 Knock out
1	MGNPSS3P20	-	115	130	70	1 no.	1 no.
2	MGNPSS3P30	-	115	130	70	1 no.	1 no.

Dimensions: SPN-P&S



TPN-Plug & Socket							
Sl.No.	Cat. No.	No. of ways	A	B	C	Top	
						Ø 25 Knock out	Ø 25 Knock out
1	MGNPSS1P10	-	130	143	78	2 no.	2 no.
2	MGNPSS1P20	-	130	143	78	2 no.	2 no.