

Simply stylish

Datasheet

betagard

DISTRIBUTION BOARDS



SIEMENS

Introducing Betagard metallic distribution board

A perfect blend of style and flexibility

Siemens Betagard distribution boards are suitable as sub-distribution boards in all domestic, commercial and industrial applications.

Owing to their small overall depth, they are used in both residential and commercial buildings and are usually installed in the vicinity of respective load centers.

They are connected down stream of the meter cabinet and the main or storey distribution board.

Equipment with a depth of 55 to 70 mm conforming to DIN rails (35mm X 7.5mm) conforming to DIN EN 50022 can be installed in the units.

In order to cater to various complex configuration in modern electric installation, we are glad to introduce following 5 new generation DBs. Flush as well as surface type distribution boards are available from 4 way to 12 ways in double door version.

- **Beta Flex DBs** are offered in row system and are available in 12 & 16 mod/row design. Presently these DBs are being offered in 2 Rows & 4 Rows configuration.
- **Beta Bus DBs** are designed with vertical readymade insulated bus bar and are available with 4W/6W/8W and 12WAY TP/SP configuration
- **Beta Bus Plus DBs** are also having special feature of accommodating siemens 3VT MCCB as I/C up to 160A apart from featured offered in Beta Bus
- **Beta Multi DBs** are having a special feature of accommodating TV socket and tel crone connector apart from LV power distribution.
- **Beta change over DBs** are designed to cater to few specific requirement of regions where-in the consistent availability 3 phase supplies are not reliable.

These DBs are fitted with 40A/63A change over switch in order to shift the phase in the event of failure of any one phase in 3 phase network.

All above DBs are offered only in double door version with IP 42 protection.

Design:

Siemens Betagard distribution boards in sheet steel have been specially designed, keeping in view the interiors of modern day houses and commercial establishments.





Installation:

Betagard distribution boards are available both in flush as well as surface mounting versions.

These distribution boards are provided with removable top and bottom gland plates with adequate number of knock outs, enabling easy installation and connection of conduits of all sizes for top and bottom entry of cables.

Double door construction of DBs facilitates easy removal of inspection window mounted on intermediate plate.

A 15 deg correction factor is possible if the U plate of distribution boards is wrongly installed.

Construction:

Blending style, flexibility and safety, the betagard distribution boards are manufactured with high precision extra thick and fine quality CRCA steel sheet for long lasting strength.

These DBs undergo a seven tank phosphating process to ensure anti rust conditioning and superior finish.

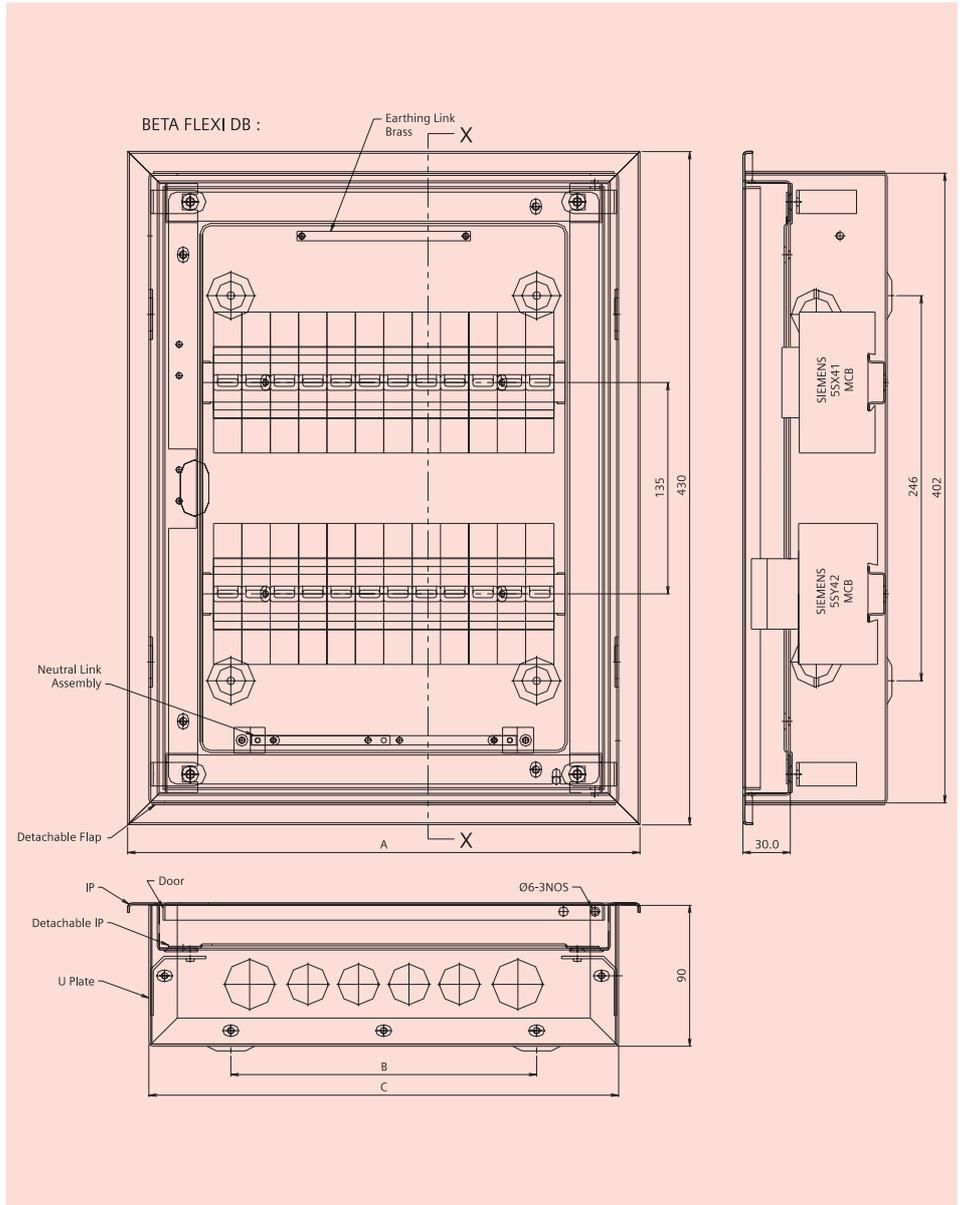
Double door concept for aesthetic and safety:

To ensure total safety, an intermediate plate has been introduced so that when the door is opened, no live parts are exposed. The door is earthed through a copper braid for total safety.

- 1 Removable intermittent window for easy in maintenance / installation
- 2 Removable intermittent door ivory-white in colour to match any decor
- 3 Magnetic latch for firm door latching and comforts in opening and closing of DB doors
- 4 Vertical insulated busbar total safety and flexibility in mounting TP/SP MCBs



Beta Flex DB (8GB31) - 2 rows system



Configuration

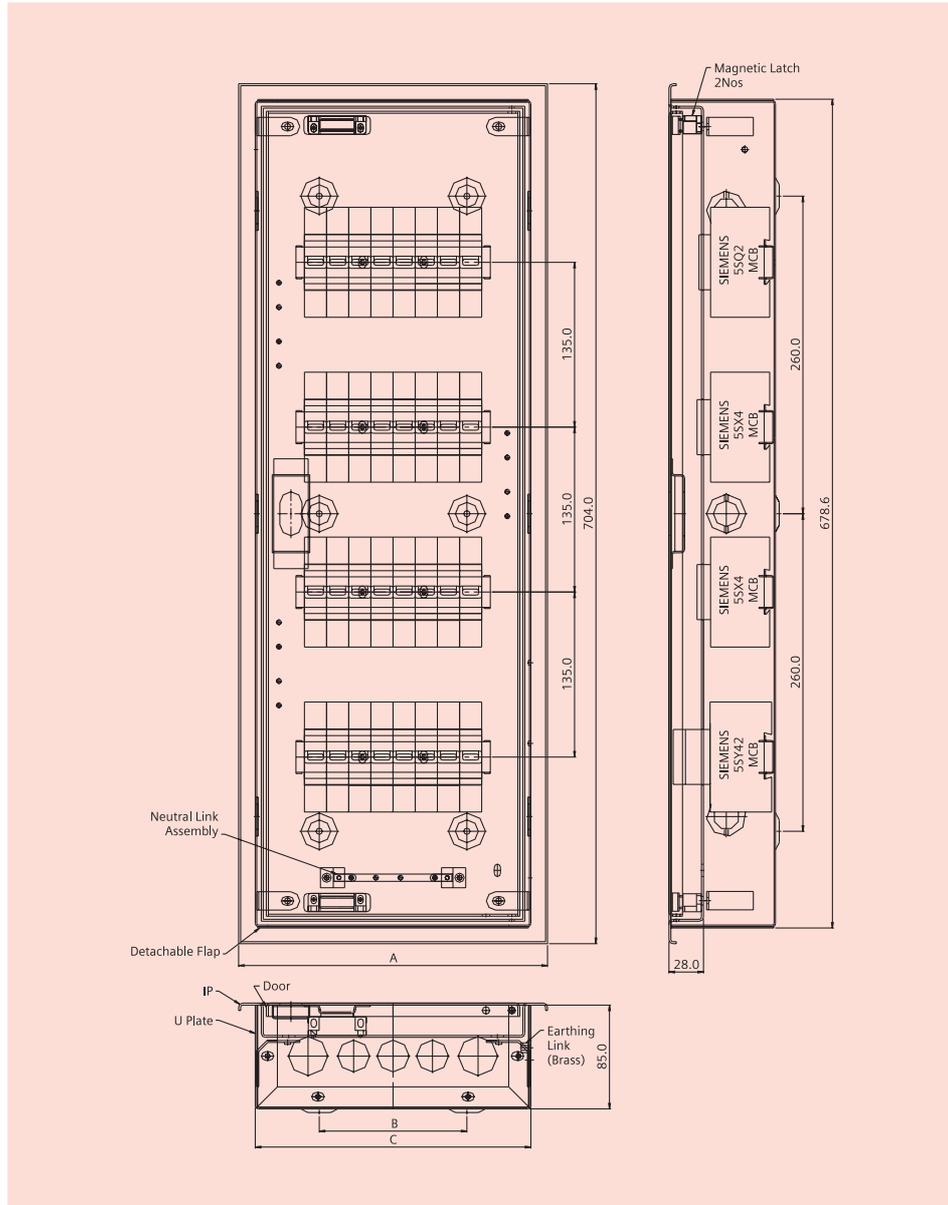
Type ref	No of slots/row	No of rows	Total
8GB31424RC	12	2	24
8GB31426RC	16	2	36

Dimension (mm)

Model	A	B	C	Knockout		
				Per side (top & bottom)		Per side flap combination Ø32 & Ø21
				Ø32	Ø26	
12 x 2 Rows	325	195	298	2	4	2
16 x 2 Rows	413	285	386	2	6	2

Application: recommended for residential and commercial buildings where-in mounting of modular devices like timers, ammeters, and TP MCBs are to be connected in the outgoing circuits.

Beta Flex DB (8GB31) - 4 rows system



Configuration

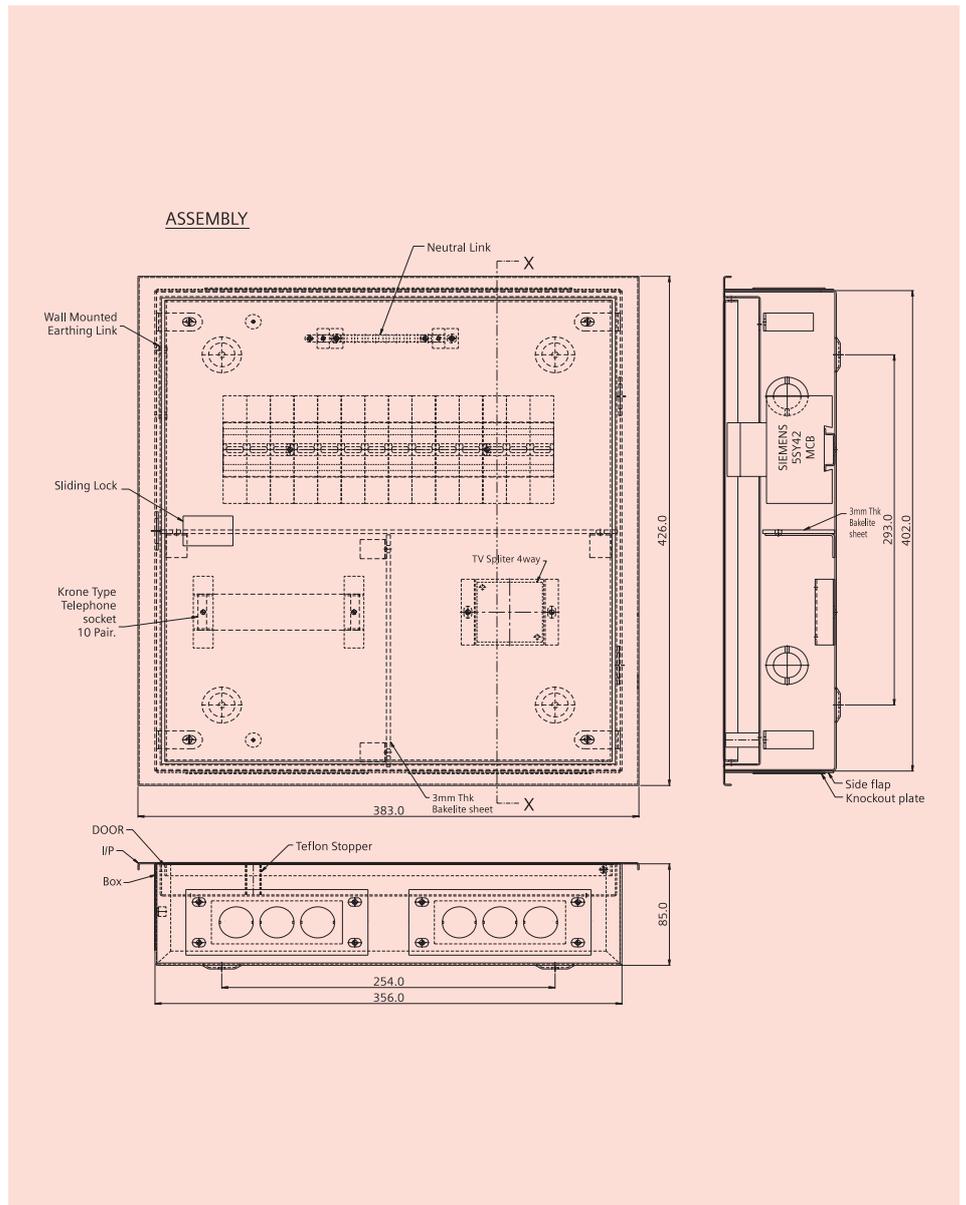
Type ref	No of slots/row	No of rows	Total
8GB3144 2RC	8	4	32
8GB3144 4RC	12	4	48
8GB3144 6RC	16	4	64

Dimension (mm)

Model	A	B	C	Knockout		
				Per side (top & bottom)		Per side flap combination
				Ø32	Ø26	
8 x 4 Rows	253	122	226	2	3	3
12 x 4 Rows	325	194	298	2	5	3
16 x 4 Rows	413	282	386	2	6	3

Application: highly recommended for commercial buildings where-in the total number of circuits are considerably more. Beta flex can offer 16 module X 4 rows design DB which can accommodate 64 modules in total of 55/70mm depth.

Betagard SPN DB (8GB31) with or without TV splitter and krone type telephone socket



Configuration

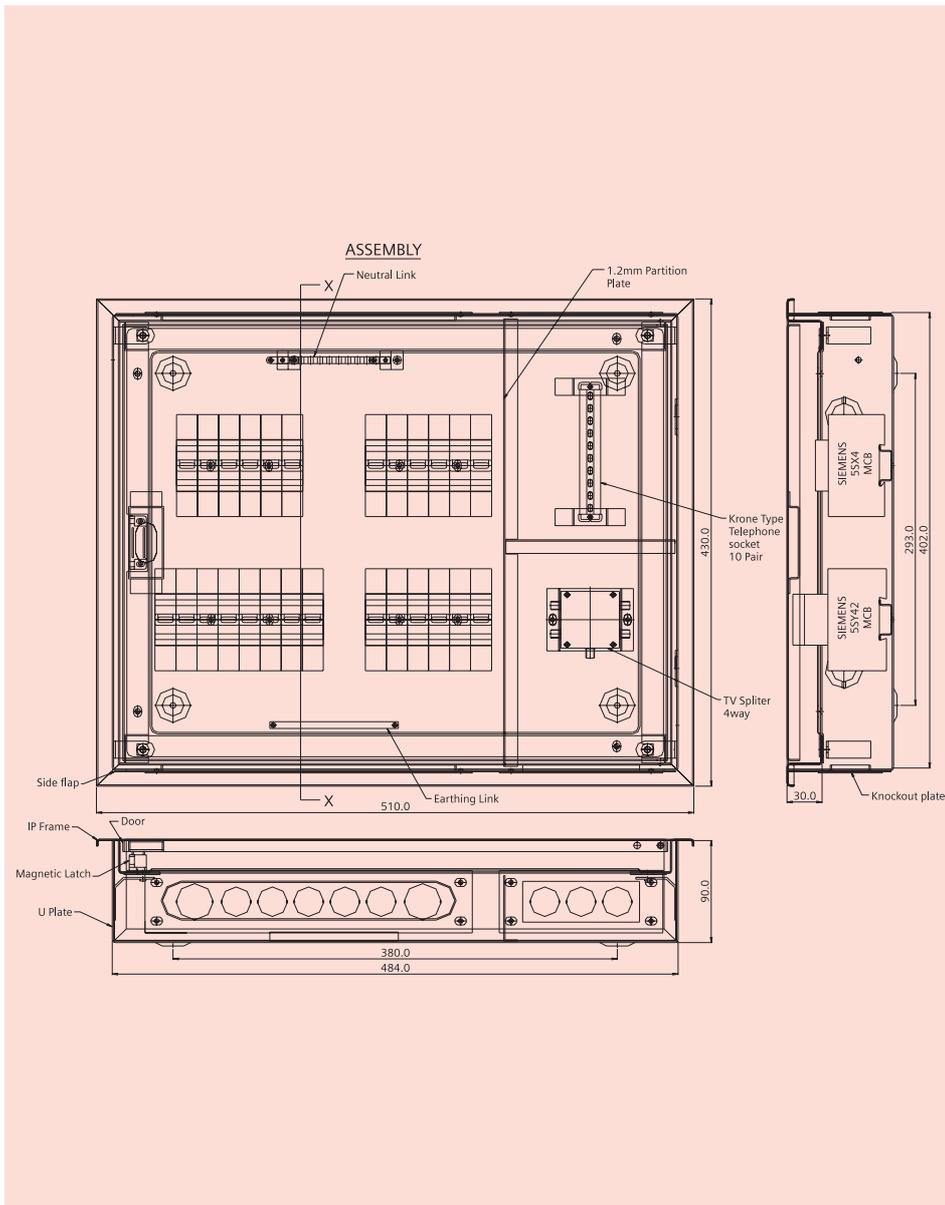
Type ref	No of slots/row	No of rows	Total
8GB31215RC	14	1	14
8GB31315RC	14	1	14

Dimension (mm)

Model	A	B	C	Knockout		
				Per side (top & bottom)		Per side flap combination
				Ø32	Ø26	
8GB31215RC	383	254	356	2	11	2
8GB31315RC	383	254	356	2	11	2

Application: Recommended for single phase power distribution network + TV & telephone connection in one location in order to give better aesthetics and neat wiring.

Betagard TPN DB (8GB31) with or without TV splitter and krone type telephone socket



Configuration

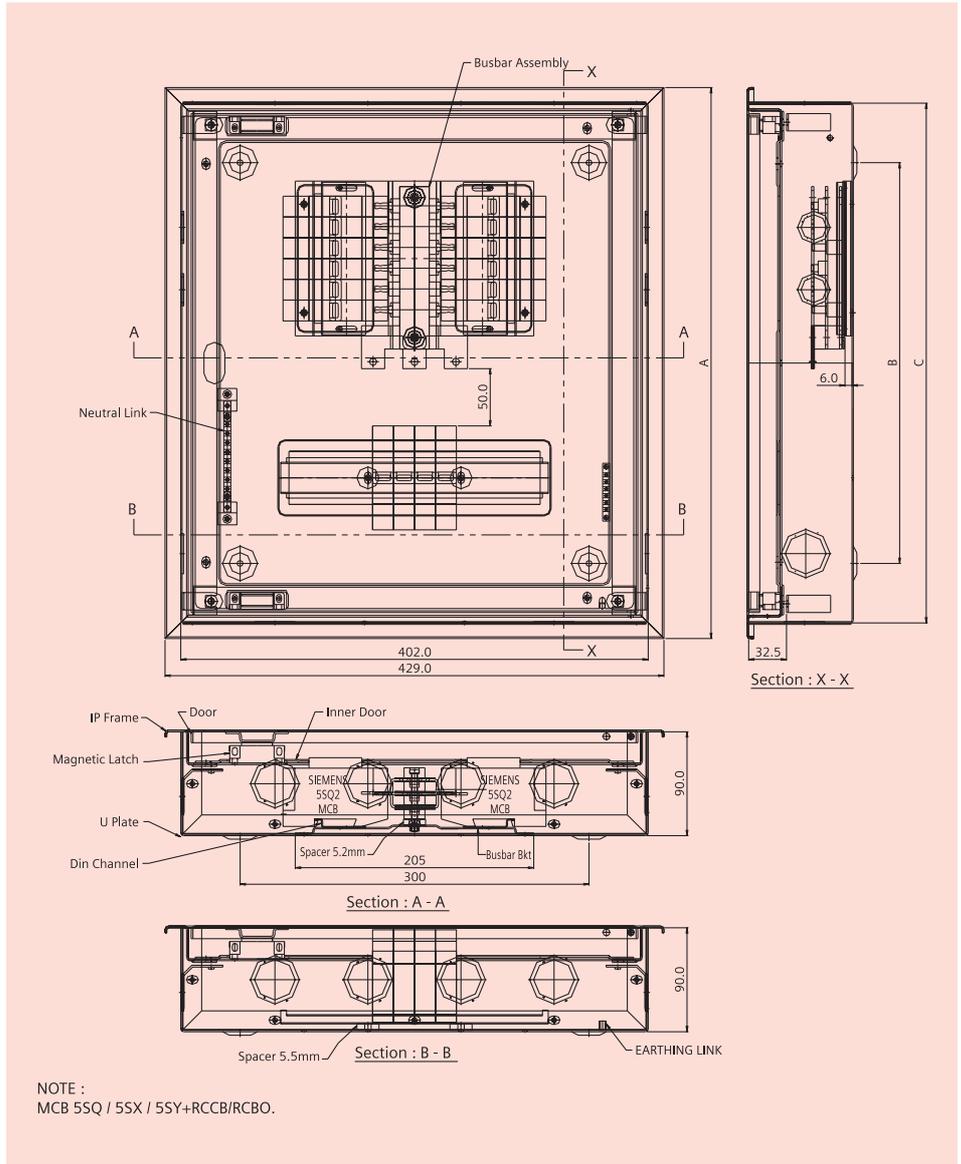
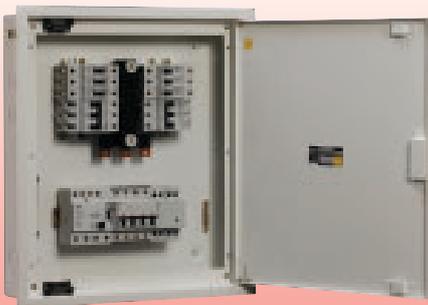
Type ref	No of slots/row	I/C Slots	O/G Slot	Total
8GB31221RC	6	8	3X 6	26
8GB31321RC	6	8	3X6	26

Dimension (mm)

Model	A	B	C	Knockout		
				Per side (top & bottom)		Per side flap combination
				Ø32	Ø26	
8GB31221RC	510	380	484	2	8	2
8GB31321RC	510	380	484	2	8	2

Application: Recommended for three phase power distribution network + TV & telephone connection in one location in order to give better aesthetics and neat wiring.

Beta Bus DB (8GB31)



Configuration

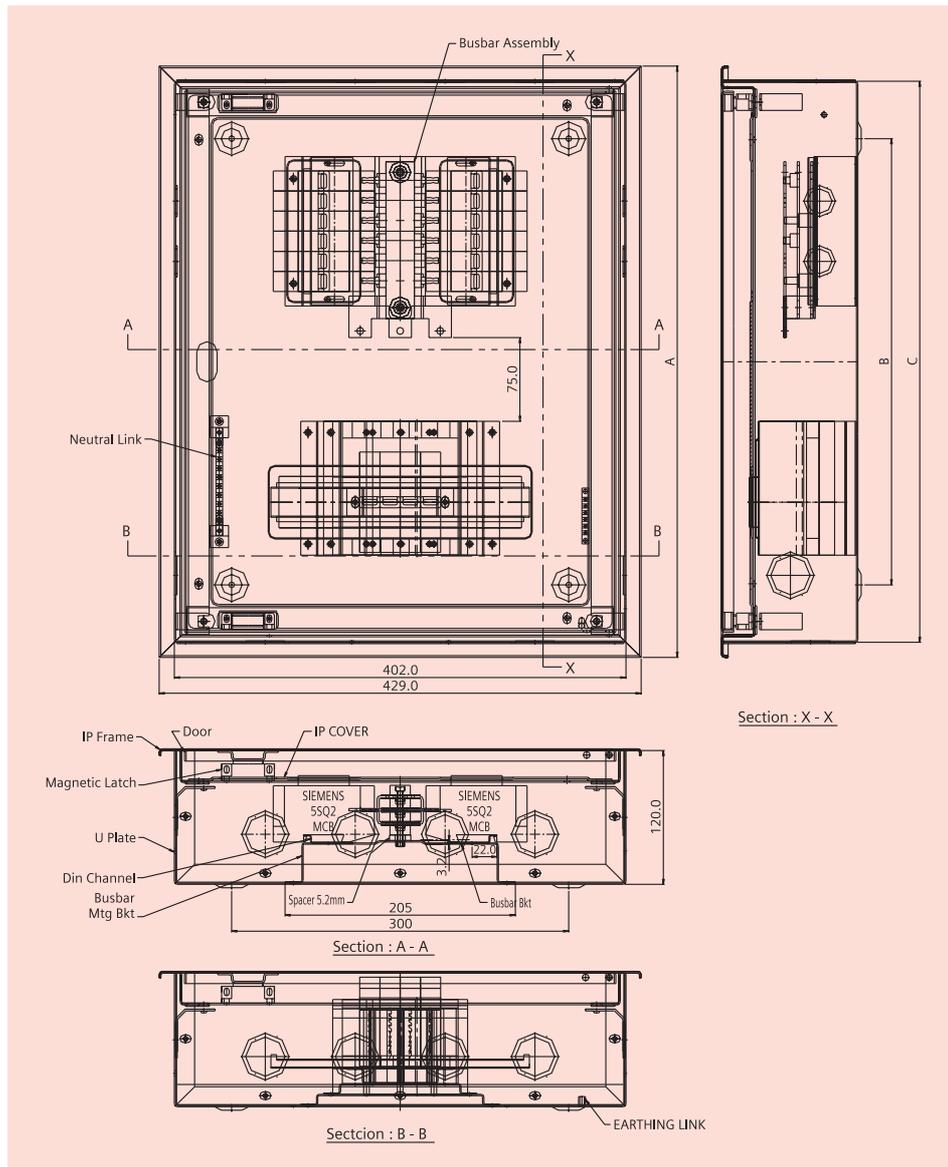
Type ref	No of ways	I/C slots (MCB+RCCB)	O/G slots TP/SP (V.Bus Bar)
8GB3147 1RC	4	12	4/12
8GB3147 3RC	6	12	6/18
8GB3147 4RC	8	12	8/24
8GB3147 7RC	12	12	12/36

Dimension (mm)

Model	A	B	C	Knockout			
				Top & bottom combination Ø42 & Ø35	Bottom slit	Per side flap combination Ø28 & Ø22	Per side flap combination Ø42 & Ø35
4 Way	477	347	450	6	72 X 46	2	1
6 Way	531	401	504	6	72 X 46	3	1
8 Way	585	455	558	6	72 X 46	4	1
12 Way	693	563	666	6	72 X 46	6	1

Application: Recommended where ever TP/SP MCBS are to be mounted in the outgoing circuits. The ready made insulated vertical bus bar will simplify the wiring job apart from giving total safety.

Beta Bus plus DB with vertical Bus Bar (8GB31)



Configuration

Type ref	No of ways	I/C slots (MCB+RCCB)	O/G slots TP/SP (V.Bus Bar)
8GB3157 1RC	4	12	4/12
8GB3157 2RC	6	12	6/18
8GB3157 3RC	8	12	8/24
8GB3157 4RC	12	12	12/36

Sentron 3VT MCCB recommended for installing in Beta Bus Plus DB

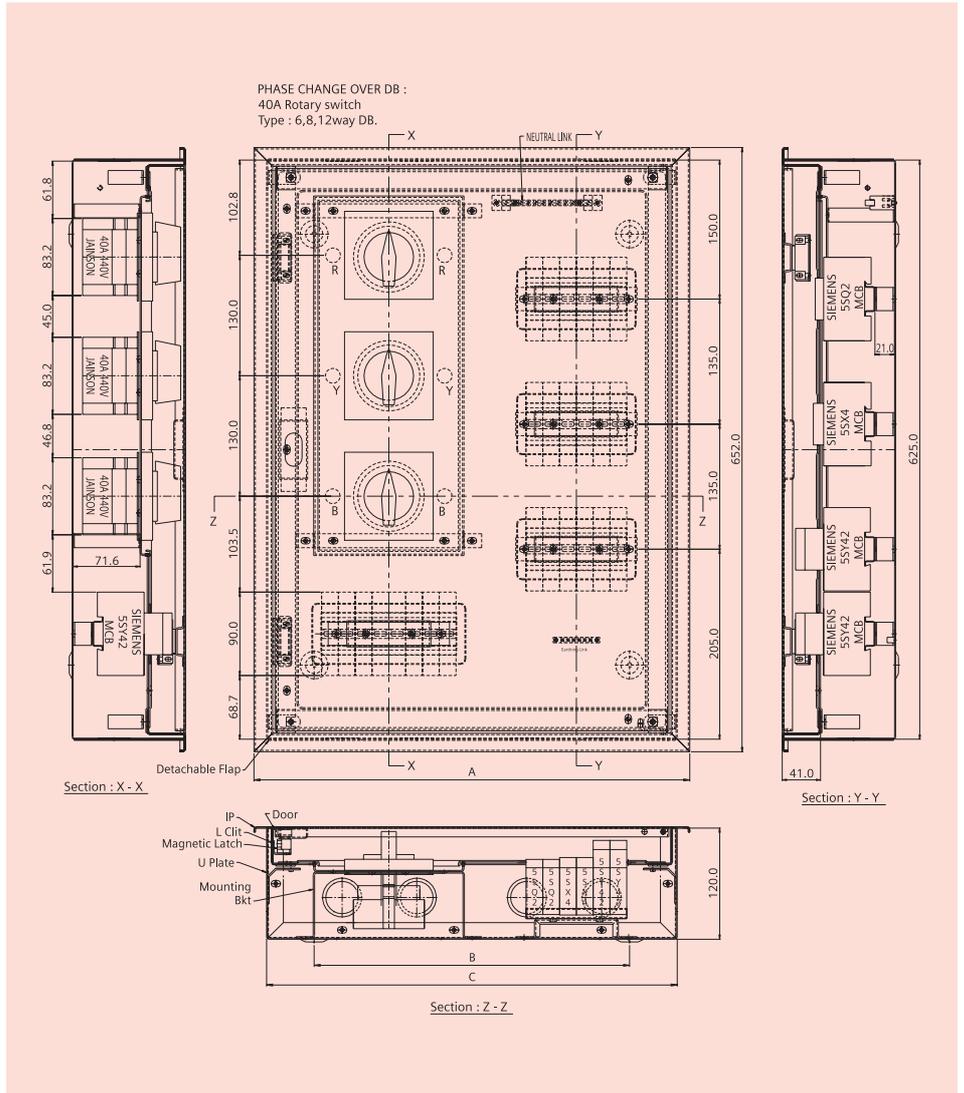
Sr.No	Breaking capacity	Rated current (415V,50Hz)	Type no	
			3 poles	4 poles
1	25kA	63A	3VT8063 1AA03 0AA2	3VT8063 1AA04 0AA2
2	25kA	80A	3VT8108 1AA03 0AA2	3VT8108 1AA04 0AA2
3	25kA	100A	3VT8110 1AA03 0AA2	3VT8110 1AA04 0AA2
4	25kA	125A	3VT8212 1AA03 0AA2	3VT8212 1AA04 0AA2
5	25kA	160A	3VT8216 1AA03 0AA2	3VT8216 1AA04 0AA2

Dimension (mm)

Model	A	B	C	Knockout			
				Top & bottom combination	Bottom slit	Per side flap combination Ø28	Per side flap combination
4 Way	530	400	503	6	72 X 46	2	1
6 Way	584	454	557	6	72 X 46	3	1
8 Way	638	508	611	6	72 X 46	4	1
12 Way	746	616	719	6	72 X 46	6	1

Application: highly Recommended where ever MCCB as incomer up to 160A and TP/SP MCBS are to be mounted in the outgoing circuits. The ready made insulated vertical bus bar will simplify the wiring job apart from giving total safety.

Beta phase change over DB (8GB31)



Configuration (with 3 nos. 40A change over switch & LED indication)

Type ref	No of ways (MCB + RCCB)	I/C slots	O/G slot	Total
8GB3174 1RC	6	8	3 X 6	18
8GB3174 2RC	8	8	3 X 8	24
8GB3174 4RC	12	8	3 X 12	36

Configuration (without 3 Nos. 40A change over switch & LED indication)

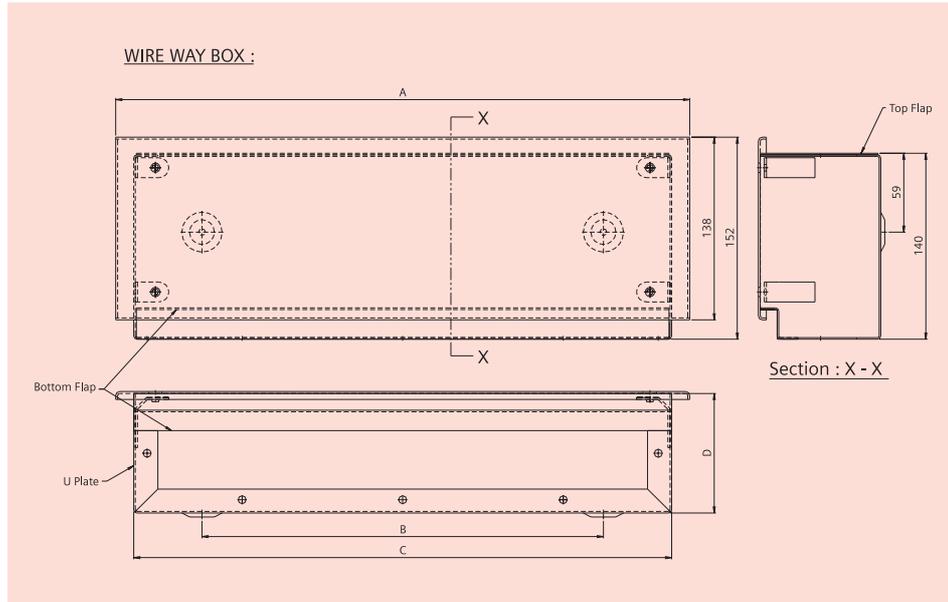
Type ref	No of ways (MCB + RCCB)	I/C slots	O/G slot	Total
8GB3184 1RC	6	8	3 X 6	18
8GB3184 2RC	8	8	3 X 8	24
8GB3184 4RC	12	8	3 X 12	36

Dimension (mm)

Model	A	B	C	Knockout	
				Top & bottom combination	Per side flap combination
6 Way	468	338	440	4	3
8 Way	503	373	475	4	3
12 Way	578	448	550	4	3

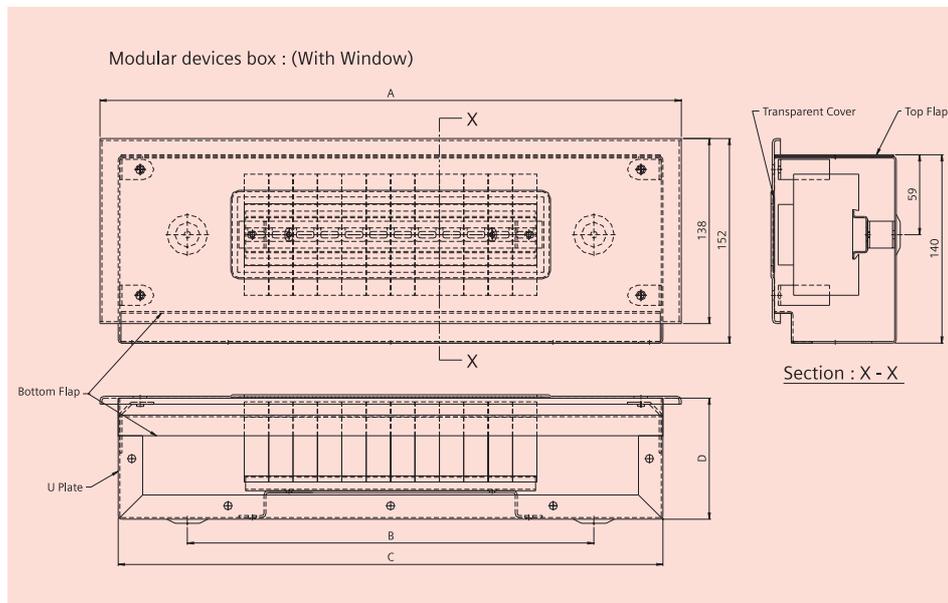
Application: recommended where ever the reliability of 3 phase supplies are not dependable. Beta change over DB will have a feature to shift the load connected to the dead phase to a live one whenever there is a failure of any one phase.

Betagard wire way boxes



Suitable for	Config.	Type	A	B	C	D	Nos of MCB Slot
Flexi DB	12 X 2R & 12 X 4R	8GB9912FWWNT	325	226	298	90	12
	8 X 4R	8GB9908FWWNT	253	154	226	90	08
	16 X 2R & 16 X 4R	8GB9916FWWNT	413	314	386	90	16
Beta Bus DB	-	8GB99BUSWWNT	430	300	402	90	12
Beta Bus Plus DB	-	8GB99PLUSWWNT	430	300	402	120	12

Betagard modular device boxes



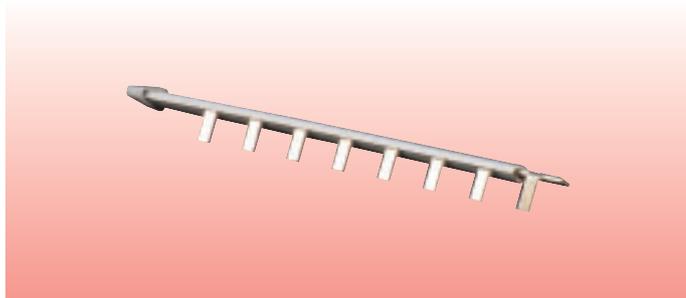
Suitable for	Config.	Type	A	B	C	D	Nos of MCB slot
Flexi DB	12 X 2R & 12 X 4R	8GB9912FMDTC	325	226	298	90	12
	8 X 4R	8GB9908FMDTC	253	154	226	90	08
	16 X 2R & 16 X 4R	8GB9916FMDTC	413	314	386	90	16
Beta Bus DB	-	8GB99BUSMBTC	430	300	402	90	12
Beta Bus Plus DB	-	8GB99PLUSMBTC	430	300	402	120	12

RYB 3 Phase indicator in 1 module width

Type no.	Description
5TE5802	3 phase indicator in one module (all with green colour cap)
5TG8070	Transparent cap set consisting of red/yellow/green(1 set = 3 items)
5TE5802Z	3 phase indicator in one module width (red/yellow/green)

Betagard accessories

Single phase insulated shorting link

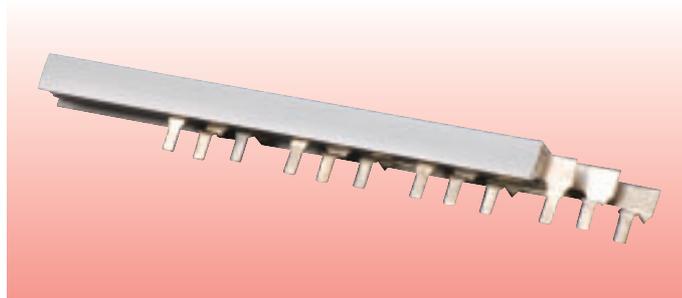


Configuration

No of ways	Cat no.	No of SP MCB	Ordering qty (nos.)
4 WAY	8GB9904LSP	4	10
6 WAY	8GB9906LSP	6	10
8 WAY	8GB9908LSP	8	10
10 WAY	8GB9910LSP	10	10
12 WAY	8GB9912LSP	12	10
14 WAY	8GB9914LSP	14	10
16 WAY	8GB9916LSP	16	10

	Type ref.	Ordering qty. (nos.)
Blanking plates	8GB9901	25

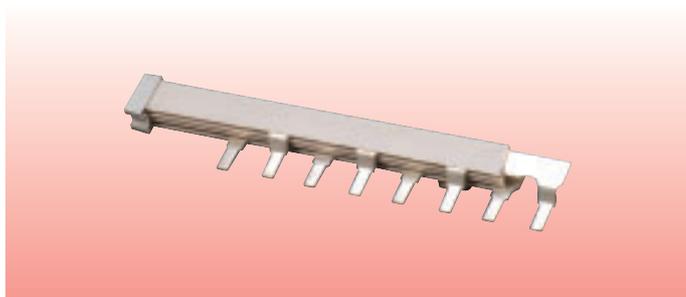
Three phase insulated shorting link



Configuration

No of ways	Cat no.	No of TP MCB	Ordering qty (nos.)
4 Way	8GB9904LTP	4	5
6 Way	8GB9906LTP	6	5
8 Way	8GB9908LTP	8	5

Two phase insulated shorting link

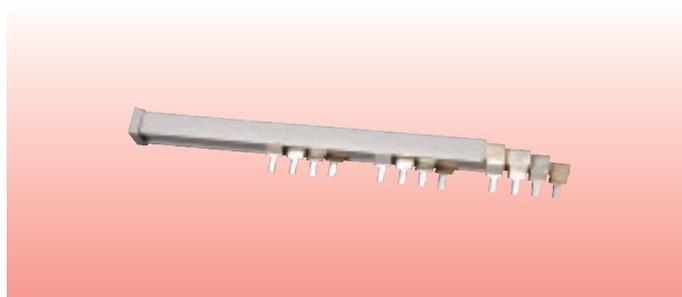


Configuration

No of ways	Cat no.	No of DP MCB	Ordering qty (Nos.)
4 Way	8GB9904LDP	4	5
6 Way	8GB9906LDP	6	5
8 Way	8GB9908LDP	8	5

Note: For any kind of non-standard DBs, please contact your nearest Siemens sales office

Three phase neutral insulated shorting link



Configuration

No of ways	Cat no.	No of TP MCB	Ordering qty (Nos.)
4 Way	8GB9904LTPN	4	5
6 Way	8GB9906LTPN	6	5
8 Way	8GB9908LTPN	8	5

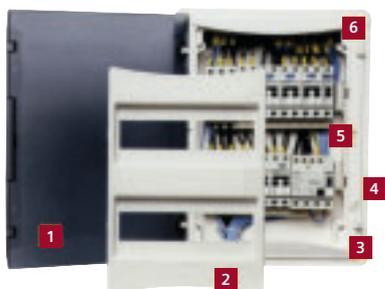
The small distribution board with big advantages: (100% Thermoplastic DB)

Residential distribution boards share typical property: They are usually installed at locations near to load and therefore near to people.

Due to the above fact it is obvious that they must offer

- Maximum safety by means of fire and corrosion resistance.
- Mechanical strength and increased shock hazard protection.

Safety requirements, for which our SIMBOX LC have consistently been tested and independently certified in compliance with EN 60439-3; IEC 60439-3



- 1** Transparent and removable DB door
- 2** Intermittent windows
- 3** Removable Intermittent Plate (IP)
- 4** Provision for cylindrical security lock
- 5** DIN Rail arrangements
- 6** Neutral link / Earthing termination

Features:

- A red-hot case for fire protection
In order to avoid fire damage caused by short circuits, we check our SIMBOX LC for their fire-resistant properties in the 'glow-wire test'
- Taking all the knocks
Mechanical strength is a further criterion to which we pay utmost attention. We therefore test our SIMBOX LC DBs for the danger of an electric shock following an impact load.
- Spotless reputation
As soon as live parts start to rust, safe operation can not be guaranteed. Therefore we also test the SIMBOX LC DBs for its resistance to corrosion. To do this, the test item is immersed in a solution of ammonium chloride, then stored for a specified period in a warm, damp atmosphere. The test is only passed if no traces of rust appear.
- We do not like the shocks and we believe in easy handling
The SIMBOX LC conforms to IP 40 degree of protection. This means that reliable level of shock hazard protection is guaranteed.
The unique design of Intermittent window cover enables electrician for easy access to components and wires without opening the IP cover and door while installation and maintenance.

Bring home installation benefits:

- The SIMBOX LC is designed by the top Italian designer Giorgio Giugiaro, who is one of the most celebrated designers of consumer and industrial products.
- The rail spacing of 150mm offers plenty of room for quick and easy wiring of the built in devices.
- The screw terminal offers sufficient clamping points for N and PE conductors.
- The DBs can subsequently be fitted with a lock.
- Facility available to hinge the door on the left or right hand side.
- The set of labels and symbols supplied permits tidy labeling of the respective circuits.

Selection and Ordering data

Surface mounting

Photo	Modules	No of rails X modules	White with white door	White with transp. door	Dimensions (H X W X D)mm	Terminal blocks N/PE
	12	1 X 12	8GB13111	8GB13211	300 X 236 X 113	(2 X 16)+(10 X 4)
	24	2 X 12	8GB13121	8GB13221	300 X 406 X 113	(2 X 16)+(14 X 4)
	36	3 X 12	8GB13131	8GB13231	300 X 571 X 113	2 X (2 X 16)+(10 X 4)

Flush mounting

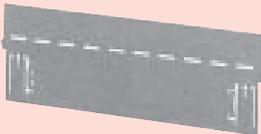
	04	1 X 4	8GB11112	8GB11212	164 X 264 X 114	–
	08	1 X 8	8GB11113	8GB11213	263 X 264 X 114	–
	12	1 X 12	8GB11111	8GB11211	328 X 264 X 115	(2 X 16)+(10 X 4)
	24	2 X 12	8GB11121	8GB11221	328 X 299 X 115	(2 X 16)+(14 X 4)
	36	3 X 12	8GB11131	8GB11231	328 X 434 X 115	2 X (2 X 16)+(10 X 4)

Accessories

Terminal block N/PE for	5 terminals	(1 X 16)+(4 X 4)	8GB20813	12 terminals	(2 X 16)+(10 X 4)	8GB20810
	7 terminals	(1 x 16)+(6 X 4)	8GB20812	16 terminals	(2 X 16)+(14 x 4)	8GB20811
Cylinder security lock	left		8GB20820	Right		8GB20821



Type no.	No. of modules	Installable terminal blocks
8GB1 371-0*	4	–
8GB1 371-1*	8	N (1 x 25) + (7 x 10) ⊥ (1 x 25) + (7 x 10)
8GB1 372-2*	12	N (3 x 25) + (10 x 10) ⊥ (3 x 25) + (10 x 10)
8GB1 371-3*	18	N (5 x 25) + (14 x 10) ⊥ (5 x 25) + (14 x 10)
8GB1 372-2*	24 (12 x 2)	N (3 x 25) + (10 x 10) ⊥ (3 x 25) + (10 x 10)
8GB1 372-3*	36 (18 x 2)	N (10 x 25) + (28 x 10) ⊥ (10 x 25) + (28 x 10)
8GB1 373-3*	54 (18 x 3)	N (10 x 25) + (28 x 10) ⊥ (10 x 25) + (28 x 10)
8GB1 374-3*	72 (18 x 4)	N (10 x 25) + (28 x 10) ⊥ (10 x 25) + (28 x 10)

SIMBOX WP Accessories			Type Reference
	Stylish coupling covers for trunking and conduit entry	12M 18M	8GB2 -051-0 8GB2 051-1
	Insulated neutral and earth terminal blocks		8GB2 052-0 8GB2 052-1 8GB2 052-2
	Internal horizontal dividers	12M 18M	8GB2 052-3 8GB2 053-1
	Blank cover panels 1 module high for CDK distribution boards	12M 18M	8GB2 054-0 8GB2 054-1
	Metal cylinder security lock		8GB2 055-0
	Interchangeable flange with quick entry stepped glands		8GB2 050-0

* These DBs are supplied without insulated neutral and earth terminal blocks and the same has to be ordered separately.

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403A, Senapati Bapat Road
☎ : +91 20 2570 6000
Fax: +91 20 2570 6060
- Bhopal** - 462023
C/o. Mr. A.K. Sundrani, Sector - D
Plot No. B-204, Meenal Residency, J.K. Road
☎ : +91 755 2688662
Mobile: +91 9425057945
E-mail: siemens@sancharnet.in
- Bhubaneswar** - 751003
Flat No. 4C, Aditya Palace, 218/219, Paika Nagar
☎ : +91 674 2563124
Mobile: +91 9437013124
E-mail: angshumanrc@yahoo.com
- Bokaro**
Mobile: +91 9934352756
E-mail: siemens_bokaro@yahoo.co.in
- Chandigarh** - 160019
SCO - 188-190, 2nd Floor
Sector 34A, Gurunanak Complex
☎ : +91 172 2666618, 2666619
Mobile: +91 9417121990
E-mail: siemenschd@satyam.net.in
- Cochin** - 682016
K.G. Oxford Business Centre
39/4609, 3rd Floor, Sreekanad Road, Ravipuram
☎ : +91 484 4028611/22/33/44
Fax: +91 484 2371564
E-mail: kumchn@satyammail.com
- Durgapur** - 713216
A-39, Moulana Azad Sarani, 1st Floor, City Centre
☎ : +91 343 2546777
Mobile: +91 9832172046
E-mail: dgp_sldgp@sancharnet.in
- Guwahati** - 781003
G1, Hill View Apartment
Navagraha Path, Chenikuthi Hill Side
☎ : +91 361 2663988
Mobile: +91 9864037562
E-mail: amarnath.karmakar@vsnl.net
- Hardwar** - 249407
758, 1st Floor, Model Colony
Awasth Vikas, Jwalapur, Uttaranchal
☎ & Fax: +91 1334 265491
Mobile: +91 9897070133
E-mail: siemens_hwd@datainfosys.net
- Indore** - 452001
521 Suniket Apartments
Shri Nagar Extension, Main Khajrana Road
Mobile: +91 98266 41970
E-mail: siemens_indore@yahoo.com
- Jaipur** - 302016
Flat No.101, Mahiraj Apartment
Basant Marg, Bani Park, Rajasthan
☎ & Fax: +91 141 2203058
Mobile: +91 9829244313
E-mail: siemens_jpr@dil.in
- Jalandhar** - 144002
635L, 1st Floor, Model Town, Punjab
☎ & Fax: +91 181 2460547
Mobile: +91 9814306636
E-mail: siemensjal@vsnl.net
- Jamshedpur** - 831005
1511, Kirthar Apartment, Vijaya Heritage, Uliyan, Kadma
☎ : +91 657 2311352
Mobile: +91 9934311352
E-mail: siemens.jsr@rediffmail.com
- Kanpur** - 208001
Flat No.19-B, 4th Floor, Prabhu Vatika
7/109, Swarup Nagar, U.P.
☎ & Fax: +91 512 2548765
Mobile: +91 9839102434
E-mail: siemens_knp@satyam.net.in
- Kolhapur** - 416001
B-7, Mahagaonkar Complex
1147/E, Rajaram Road, Opp. Kamala College
☎ : +91 231 2536626
Mobile: +91 9822558876
E-mail: amol.pandit@siemens.com
- Lucknow** - 226001
28/45, Ashok Marg
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Mobile: +91 9415012500
E-mail: siemens_lko@satyam.net.in
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Flat No.5 (GF), HIG Flats, Opp. Milk Plant
Bhai Randhir Singh Nagar, Ferozpur Road, Punjab
☎ : +91 161 2457199
Mobile: +91 9417045273
E-mail: siemens_ldh@satyam.net.in
- Ludhiana** - 141004
House No.228, 2nd Floor, B.R.S.Nagar
☎ : +91 161-4610776
Mobile: +91 9872000936
E-Mail: siemens.ludhiana@sify.com
- Madurai** - 625016
Flat No, 210, II Floor, Arunachalam Apartment
Bharathiyar 5th street, S.S.Colony
☎ & Fax: +91 452 2601305
Mobile: +91 9443369375
E-Mail: k.shankar@siemens.com
- Nashik** - 422013
5, Vistaar Apts. Above Hari OM Super Market
Pumping Station, Gangapur Road
Mobile: +91 9822193204
E-mail: siemens_nsk@sancharnet.in
- Raipur** - 492 001
C/o Mr.Shahpurkar
280, Samta Colony, Near Gayatri Mandir
Mobile: +91 93297 07579
E-mail: siemens_chg@hotmail.com
- Rajkot** - 360005
House No 97, Street No 3, Panchvati Park
Bh: Panchvati Hall, Panchvati Society
Mobile: +91 98258 18864
E-mail: vinod_naik_sl@yahoo.co.in
- Rourkela** - 769004
T-15 Civil Town
☎ : +91 661 2400880
Mobile: +91 9437041724
E-mail: ganguly_sl@yahoo.co.in
- Renukoot** - 231217
Room No.1 - 2, Adjacent Jain Complex, Murdhawa
Mobile: +91 9838007897
E-mail: siemens_upeast@sify.com
- Surat** - 395009
Flat No: 104, A5 Block, Green Avenue Apartment, Adajan
Mobile: +91 98255 06962
E-mail: siemens.surat@gmail.com
- Udaipur** - 313001
Oasis Park, Flat No.303, P.P. Singhal Marg, Ambavgarh
☎ : +91 294 2430345
Mobile: +91 9829039120
E-mail: siemens@datainfosys.net
- Vapi** - 396195
Flat No. 302, Samrajaya IV
Royal Residency, Charwada Road
☎ : +91 260 6451156
Mobile: +91 98251 47957
E-Mail: siemens_vapi@sancharnet.in
- Vijayawada** - 520010
G-2, Shreya Towers, Moghalrajapuram
Near Jammichettu Centre
☎ : +91 866 5529933
Mobile: +91 9866690935
E-mail: srisachandra.kartikeya@siemens.com
kartikeya_p@rediffmail.com
- Visakhapatnam** - 530017
Flat No. 101, Shripal Towers, Kiralampudi Layout
Mobile: +91 9849077719
E-mail: siemensvizag@rediffmail.com

Siemens Ltd.

Automation and Drives Division

Electrical Installation Technology

Thane Belapur Road

Thane 400601

Fax: +91 22 27623729

E-mail: switches.india@siemens.com

Siemens Ltd.

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