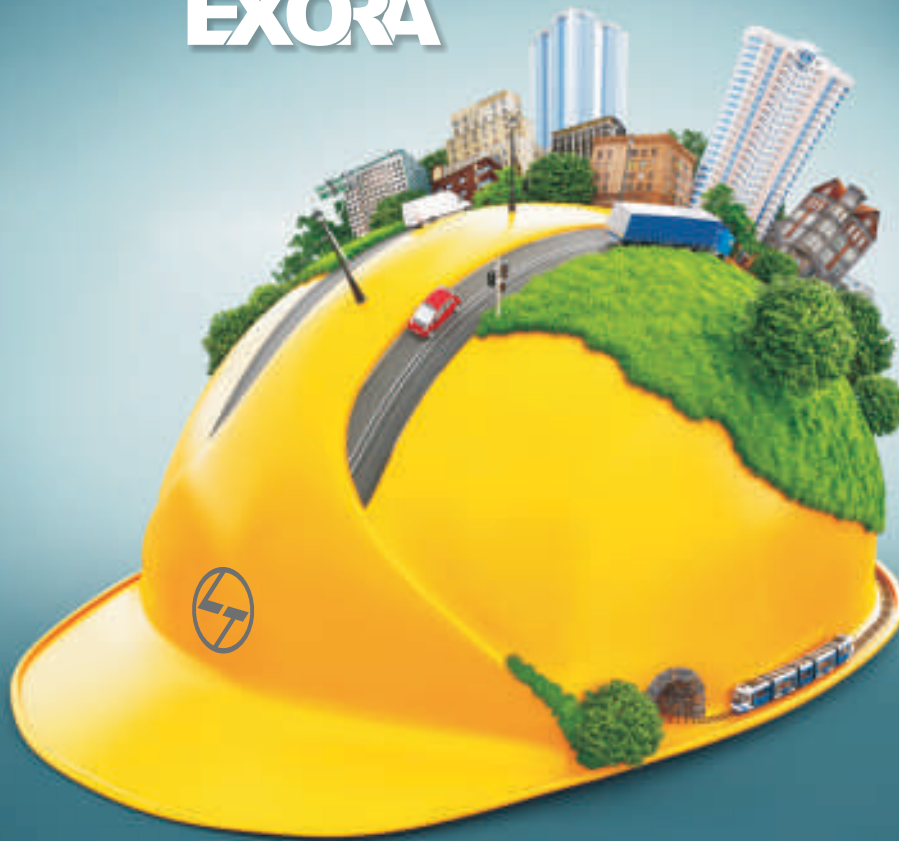


Step into a
Safer World
EXORA



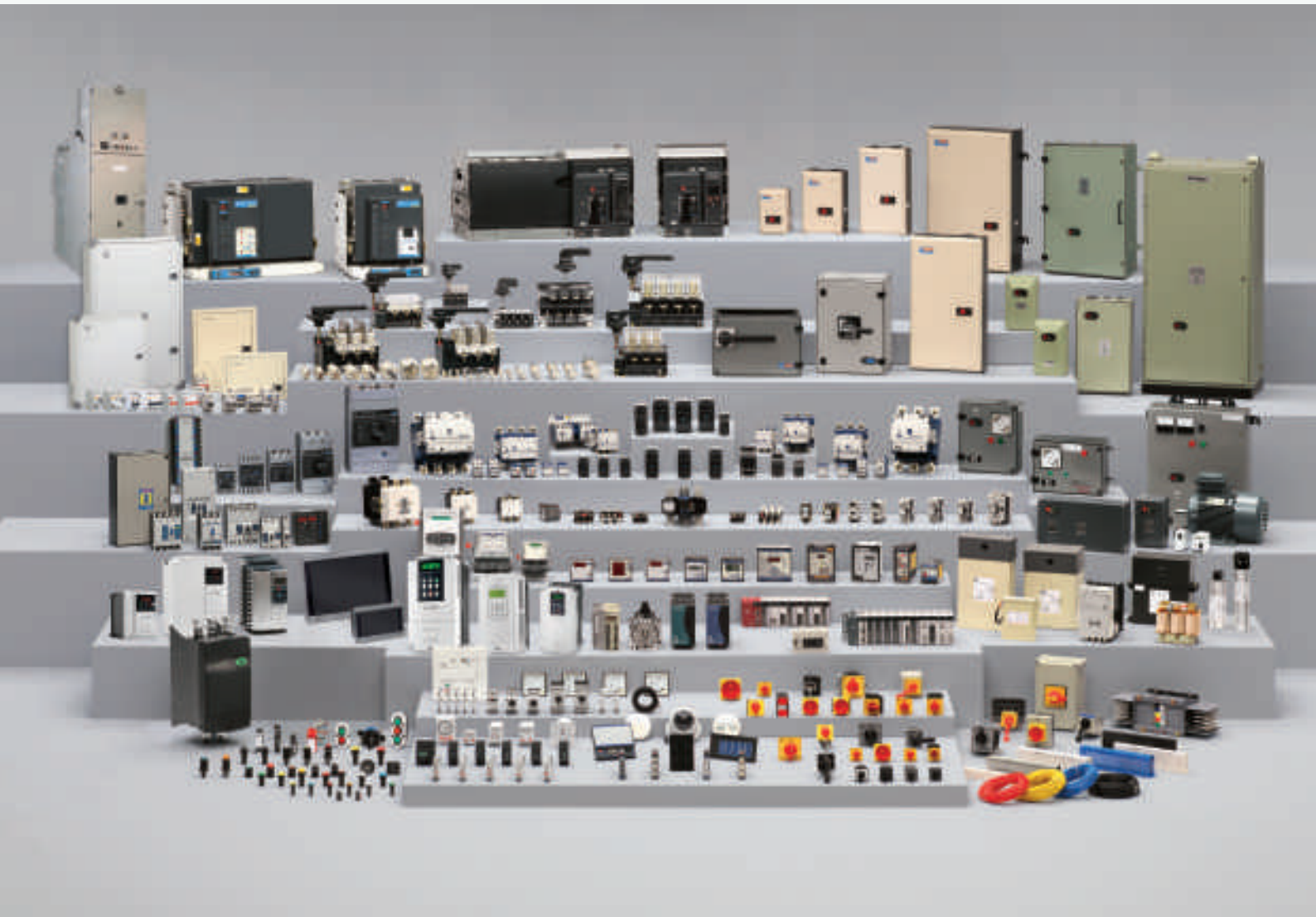
Maximum Retail Prices
for Final Distribution Products - Exora
Effective from 01-01-2017

About L&T

Larsen & Toubro is a technology-driven company that infuses engineering with imagination. The Company offers a wide range of advanced solutions in the field of Engineering, Construction, Electrical & Automation, Machinery and Information Technology.

L&T Switchgear, a part of the Electrical & Automation business, is India's largest manufacturer of low voltage switchgear, with the scale, sophistication and range to meet global benchmarks. With over five decades of experience in this field, the Company today enjoys a leadership position in the Indian market with a growing international presence.

It offers a complete range of products including powergear, controlgear, industrial automation, building electricals & automation, reactive power management, energy meters, and protective relays. These products conform to Indian and International Standards.





L&T Final Distribution Products

L&T's range of modular devices offer MCB, RCCB, Isolator & DB for final distribution of electrical power. L&T's products are better known for reliability, functionality & ease of use.



L&T Final Distribution Products spell world class

L&T products conform to relevant global standards viz. IEC, EN. They also have BIS, CE marking, CB and *KEMA* certification.

Contents

MCB - Miniature Circuit Breaker ----- 4



RCCB - Residual Current Circuit Breaker ----- 6



Isolators ----- 7



Other Protection & Control Devices ----- 7



Distribution Boards ----- 10



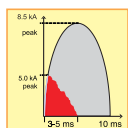
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Safety re-defined

Finger proof terminals eliminate chances of accidental contact with live part. You can install, operate and maintain modular device with total confidence.



Energy limiting class - 3

If fault occurs, the Rapid Arc Quenching mechanism in modular device operates and extinguishes the arc quickly (within 3-5 msec), ensuring lowest possible energy flow through the circuit. This minimize risk of fire and maximizes life of your equipment.

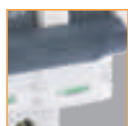


Safety meets superior aesthetics

Ergonomically designed, profiled for superior cooling and manufactured with fire retardant material. Modular device is brought to you keeping in mind utmost user safety.

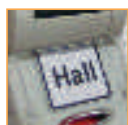


Key Benefits



True contact indication

L&T modular device range enhances safety through true contact indication even from a distance regardless of its mounting and knob position. Red and Green indication tags provided below the knob positively identify the electrical ON/OFF status, reflecting actual contact status.



Integrated label holder

L&T MCBs are equipped with label holder for easy identification of circuit during operation as well as in maintenance.



Innovatively profiled breathing channels

When two or more poles are placed adjacent to each other, the breathing channels are so profiled that the air circulates around individual pole, resulting in cooler operation.



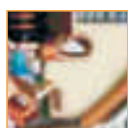
Large terminal size and dual termination

L&T MCBs can easily accommodate cables of up to 35 sq. mm. The terminals are designed to facilitate termination of cable or bus bar or both at incomer side.



Two position DIN rail clip

Installation on a DIN rail is further simplified with a two-position DIN rail clip as a standard feature. L&T MCB range makes mounting on a standard DIN rail more convenient than most.



Non-welding contacts

Silver Graphite contact tips ensure higher life and maximum safety against contact welding due to its superior anti-welding properties, enhancing safety and life of the system.



Combihead screw

L&T modular devices with combihead screws, allow you to use standard as well as Philips head screw drivers. L&T modular device range addresses your undefined needs.



MCB (10kA)

Miniature Circuit Breaker



- True contact indication for individual pole
- Label holder facility for all configurations
- Conforms to IS/IEC 60898 and IEC 60947 -2
- Breaking capacity of 10kA throughout the range
- Available in B, C & D curves
- Low watt loss - almost 50% of the values prescribed by IS/IEC 60898
- Trip free mechanism
- Design based on advanced current limiting hammer trip mechanism
- No Line-Load bias
- Suitable for accessory fitment
- DC MCBs as per IEC 60947-2
 - Rated Voltage:130V DC (for SP), 250V DC (for DP)*



Current Rating (In)	Modules 1 Mod = 17.5 mm	B-Curve Cat. Nos.	M.R.P. (₹) Per Unit	C-Curve Cat. Nos.	M.R.P. (₹) Per Unit	D-Curve Cat. Nos.	M.R.P. (₹) Per Unit	DC MCBs Cat. Nos.	M.R.P. (₹) Per Unit
Single Pole (SP)									
0.5A	1	-	-	BB10E50C	355	BB10E50D	360	BB10E5DC	520
1A	1	-	-	BB10010C	355	BB10010D	360	BB1001DC	520
2A	1	-	-	BB10020C	355	BB10020D	360	BB1002DC	520
3A	1	-	-	BB10030C	355	BB10030D	360	BB1003DC	520
4A	1	-	-	BB10040C	355	BB10040D	360	BB1004DC	520
6A	1	BB10060B	229	BB10060C	229	BB10060D	310	BB1006DC	440
10A	1	BB10100B	229	BB10100C	229	BB10100D	310	BB1010DC	440
16A	1	BB10160B	229	BB10160C	229	BB10160D	310	BB1016DC	440
20A	1	BB10200B	229	BB10200C	229	BB10200D	310	BB1020DC	440
25A	1	BB10250B	229	BB10250C	229	BB10250D	310	BB1025DC	440
32A	1	BB10320B	229	BB10320C	229	BB10320D	310	BB1032DC	440
40A	1	BB10400B	525	BB10400C	525	BB10400D	555	BB1040DC	580
50A	1	BB10500B	525	BB10500C	525	*	*	BB1050DC	580
63A	1	BB10630B	525	BB10630C	525	*	*	BB1063DC	580
Double Pole (DP)									
0.5A	2	-	-	BB20E50C	965	BB20E50D	980	BB20E5DC	1065
1A	2	-	-	BB20010C	965	BB20010D	980	BB2001DC	1065
2A	2	-	-	BB20020C	965	BB20020D	980	BB2002DC	1065
3A	2	-	-	BB20030C	965	BB20030D	980	BB2003DC	1065
4A	2	-	-	BB20040C	965	BB20040D	980	BB2004DC	1065
6A	2	BB20060B	730	BB20060C	730	BB20060D	750	BB2006DC	930
10A	2	BB20100B	730	BB20100C	730	BB20100D	750	BB2010DC	930
16A	2	BB20160B	730	BB20160C	730	BB20160D	750	BB2016DC	930
20A	2	BB20200B	730	BB20200C	730	BB20200D	750	BB2020DC	930
25A	2	BB20250B	730	BB20250C	730	BB20250D	750	BB2025DC	930
32A	2	BB20320B	730	BB20320C	730	BB20320D	750	BB2032DC	930
40A	2	BB20400B	1190	BB20400C	1190	BB20400D	1215	BB2040DC	1170
50A	2	BB20500B	1190	BB20500C	1190	*	*	BB2050DC	1170
63A	2	BB20630B	1190	BB20630C	1190	*	*	BB2063DC	1170



Note: Standard Pack Quantity for MCB : SP - 12 Nos., DP - 6 Nos., TP - 4 Nos., FP - 3 Nos.

* Available on request.



* 6kA Breaking capacity for DC

Current Rating (In)	Modules 1 Mod = 17.5 mm	B-Curve Cat. Nos.	M.R.P. (₹) Per Unit	C-Curve Cat. Nos.	M.R.P. (₹) Per Unit	D-Curve Cat. Nos.	M.R.P. (₹) Per Unit
Three Pole (TP)							
0.5A	3	-	-	BB30E50C	1340	BB30E50D	1370
1A	3	-	-	BB30010C	1340	BB30010D	1370
2A	3	-	-	BB30020C	1340	BB30020D	1370
3A	3	-	-	BB30030C	1340	BB30030D	1370
4A	3	-	-	BB30040C	1340	BB30040D	1370
6A	3	BB30060B	1185	BB30060C	1185	BB30060D	1210
10A	3	BB30100B	1185	BB30100C	1185	BB30100D	1210
16A	3	BB30160B	1185	BB30160C	1185	BB30160D	1210
20A	3	BB30200B	1185	BB30200C	1185	BB30200D	1210
25A	3	BB30250B	1185	BB30250C	1185	BB30250D	1210
32A	3	BB30320B	1185	BB30320C	1185	BB30320D	1210
40A	3	BB30400B	1820	BB30400C	1820	BB30400D	1885
50A	3	BB30500B	1820	BB30500C	1820	*	*
63A	3	BB30630B	1820	BB30630C	1820	*	*
Four Pole (FP)							
0.5A	4	-	-	BB40E50C	1865	BB40E50D	1890
1A	4	-	-	BB40010C	1865	BB40010D	1890
2A	4	-	-	BB40020C	1865	BB40020D	1890
3A	4	-	-	BB40030C	1865	BB40030D	1890
4A	4	-	-	BB40040C	1865	BB40040D	1890
6A	4	BB40060B	1600	BB40060C	1600	BB40060D	1625
10A	4	BB40100B	1600	BB40100C	1600	BB40100D	1625
16A	4	BB40160B	1600	BB40160C	1600	BB40160D	1625
20A	4	BB40200B	1600	BB40200C	1600	BB40200D	1625
25A	4	BB40250B	1600	BB40250C	1600	BB40250D	1625
32A	4	BB40320B	1600	BB40320C	1600	BB40320D	1625
40A	4	BB40400B	2285	BB40400C	2285	BB40400D	2340
50A	4	BB40500B	2285	BB40500C	2285	*	*
63A	4	BB40630B	2285	BB40630C	2285	*	*



Note: Standard Pack Quantity for MCB : SP - 12 Nos., DP - 6 Nos., TP- 4 Nos., FP - 3 Nos.

* Available on request.

Auxiliary & Accessories for MCBs

Description	Cat. Nos.	M.R.P. (₹) Per Unit
Auxiliary Contact - 6A (1NO+1NC), 0.5 Mod	BZA11006	690
Shunt Release - 240V AC, 1 Mod	BZS00240	1845
Trip Alarm Contact - 240V AC, (1NO + 1NC), 0.5 Mod	BZT11006	805



RCCB

Residual Current Circuit Breaker



- Conforms to IS 12640 (Part 1) / IEC 61008-1
- RCCBs are available in DP and FP versions from 25 to 100A ratings with 30 mA, 100 mA and 300 mA sensitivity
- Truly current operated - operation even at nominal voltage
- Operates on Core Balance Current Transformer (CBCT) principle
- Operation even in case of neutral failure
- Advanced neutral mechanism

Current Rating (In)	Sensitivity	Modules 1 Mod = 17.5 mm	Cat. Nos.	M.R.P. (₹) Per Unit
Double Pole (DP)				
25A	30 mA	2	BG202503	2500
	100 mA	2	BG202510	2600
	300 mA	2	BG202530	2600
40A	30 mA	2	BG204003	2820
	100 mA	2	BG204010	2975
	300 mA	2	BG204030	2975
63A	30 mA	2	BG206303	3530
	100 mA	2	BG206310	3625
	300 mA	2	BG206330	3625
100A	30 mA	2	BG210003	6235
	100 mA	2	BG210010	6315
	300 mA	2	BG210030	6315
Four Pole (FP)				
25A	30 mA	4	BG402503	3285
	100 mA	4	BG402510	3410
	300 mA	4	BG402530	3410
40A	30 mA	4	BG404003	3315
	100 mA	4	BG404010	3455
	300 mA	4	BG404030	3455
63A	30 mA	4	BG406303	3790
	100 mA	4	BG406310	3975
	300 mA	4	BG406330	3975
100A	30 mA	4	BG410003	6805
	100 mA	4	BG410010	6930
	300 mA	4	BG410030	6930



Isolators



- Conforms to IEC 60947-3
- Utilization category AC-22A
- Available in DP, TP and FP versions in 40A, 63A, 80A & 100A ratings

Current Rating (In)	Modules 1 Mod = 17.5 mm	Cat. Nos.	M.R.P. (₹) Per Unit
Double Pole (DP)			
40A	2	BF204000	445
63A	2	BF206300	575
80A	2	BF208000	725
100A	2	BF210000	770
Three Pole (TP)			
40A	3	BF304000	785
63A	3	BF306300	905
80A	3	BF308000	1000
100A	3	BF310000	1015
Four Pole (FP)			
40A	4	BF404000	1025
63A	4	BF406300	1040
80A	4	BF408000	1180
100A	4	BF410000	1250



Note: Standard Pack Quantity for Isolator : DP - 6 Nos., TP - 4 Nos., FP - 3 Nos.

Changeover Switches

- Conforms to IEC 60947-3 and IS/IEC 60947-3
- Available in 3 positions (I-O-II) with centre off position
- Utilization category AC-22A

Description	Module	Cat. Nos.	M.R.P. (₹) Per Unit
Double Pole			
25A	2	AUC00202500	1400
40A	2	AUC00204000	2150
Four Pole			
40A	4	AUC00404000	3700
63A	6	AUC00406300	4200



Modular Contactors

- Wide Range of Current Ratings
 - 25A, 40A and 63A
- Conforms to:
 - IEC 61095, EN 61095
 - IEC 60497-4-1, EN 60497-4-1
 - IEC 60497-5-1
- Available in:
 - 1NO, 2NO, 3NO, 4NO and 2NO+2NC version
- Protection Degree IP 20

Description (AC-1)	Module	Cat. Nos.	M.R.P. (₹) Per Unit
25A-1NO	1	AUMC1002501	1340
25A-2NO	1	AUMC2002501	1670
40A-2NO	3	AUMC2004003	2870
40A-3NO	3	AUMC3004003	4010
40A-4NO	3	AUMC4004003	4800
63A-2NO+2NC	3	AUMC2206303	5100
63A-3NO	3	AUMC3006303	5200
63A-4NO	3	AUMC4006303	5720
Auxiliary Contact, 2NO	0.5	AUMCAUX240	1600



Time Switches

Description	Module	Cat. Nos.	M.R.P. (₹) Per Unit
Analog time switch	1	AUTS01ANA00	2450
Analog time switch	3	AUTS03ANA00	2400
Digital time switch	2	AUTS02DIG00	1875
Astro time switch	2	AUTS02AST00	3150



Indicating Lights

Description	Module	Cat. Nos.	M.R.P. (₹) Per Unit
RED	1	AUIL01RED00	825
YELLOW	1	AUIL01YEL00	825
BLUE	1	AUIL01BLU00	825
GREEN	1	AUIL01GRE00	825
RED-YELLOW-BLUE	1	AUIL01RYB00	1000



Energy Meters

- Communication with additional RS485 & WiFi module
- Class 1 accuracy
- Direct current operated meter
- Reverse current indication for three-phase meter

Description	Module	Cat. Nos.	M.R.P. (₹) Per Unit
Single Phase (5-40A)	2	WD4000101000	2200
Three Phase (10-60A)	7	WD4000103000	5000



MCB (Miniature Circuit Breakers) : 80A-125A

- Short circuit Breaking Capacity - 15kA (IEC 60947-2, EN 60947-2)
- C & D Characteristics
- Available in SP, DP, TP and FP
- Suitable for Isolation
- Protection Degree - IP 20
- Availability of wide Range of Site Mountable Accessories

Rating	Module	C Curve Cat. No.	M.R.P. (₹) Per Unit
Single Pole			
80A	1.5	AU15S10803C	1970
100A	1.5	AU15S11003C	2205
125A	1.5	AU15S11253C	2375

Two Pole			
80A	3	AU15S20803C	4360
100A	3	AU15S21003C	4655
125A	3	AU15S21253C	5120

Three Pole			
80A	4.5	AU15S30803C	6885
100A	4.5	AU15S31003C	7335
125A	4.5	AU15S31253C	8140

Four Pole			
80A	6	AU15S40803C	8990
100A	6	AU15S41003C	9350
125A	6	AU15S41253C	10580



D Curve Cat. No.	M.R.P. (₹) Per Unit
AU15S10803D	2085
AU15S11003D	2340
AU15S11253D	2530

AU15S20803D	4635
AU15S21003D	4945
AU15S21253D	5430

AU15S30803D	7305
AU15S31003D	7785
AU15S31253D	8635

AU15S40803D	9522
AU15S41003D	9925
AU15S41253D	11225

SPDs Surge Protection Devices

- Conforms to IEC 61643-11
- Available in Type 2 and Type 1+2
- Type 2 : Protection against indirect lightning and switching surges
 - Maximum Discharge Current - I_{max} up to 70kA
- Type 1+2 : Protection against direct and indirect lightning surges
 - Maximum Discharge Current - I_{max} up to 100kA



Description	Configuration	Module	Cat. Nos.	M.R.P. (₹) Per Unit
Type 1+2, I _{max} 50kA	1P+N	2	AUSP121PN50	10800
	3P+N	4	AUSP123PN50	21200
Type 2, I _{max} 40kA	1P+N	1	AUSP021PN40	7500
	3P+N	2	AUSP023PN40	15000
Type 2, I _{max} 15kA	1P+N	1	AUSP021PN15	6000
	3P+N	2	AUSP023PN15	11800
New Type 1+2, I _{max} 100kA	1P+N	2	AUSP121PN100	12000
	3P+N	4	AUSP123PN100	22000
New Type 2, I _{max} 70kA	1P+N	2	AUSP021PN70	12000
	3P+N	4	AUSP023PN70	20000

New Range of Distribution Boards



Certification

Conforms to IS 8623-1 & 3,
IEC 61439 - 1 & 3



Protection against Mechanical Impact (IK)

Ensures Distribution Boards and
Enclosures are well protected from
external impact



Ingress Protection (IP) Test certificate
Ensures Distribution Boards and
Enclosures are well protected against
external foreign bodies & liquid



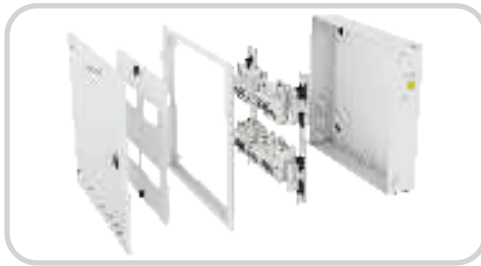
Complete range of Distribution Boards
is RoHS compliant



(Restriction of Hazardous Substances)

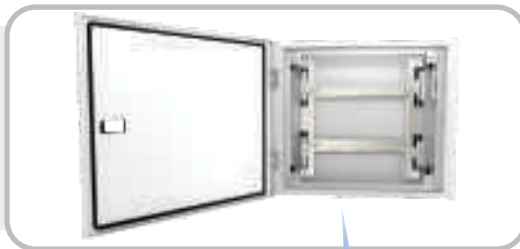
Customer Benefits

- In order to adapt to site condition, DB door can be reversed at the site



- DB Installation made convenient with **independently removable door, shield, frame & chassis**
- The removal of the chassis, with the neutral bar mounted on it offers immense flexibility during commissioning

- Product mounting and wiring made easy as the products can be conveniently mounted on the chassis and entire assembly can be easily fitted in the DB box with chassis that can be stored separately



- To avoid unauthorized access to a DB and ensure safety during maintenance, DBs are equipped for installing a special latch with a key lock provision

- Flush mounting of a DB made easy and perfect fit is achieved with clearly visible anti insertion marking



Customer Benefits

- No accidental contact with live parts is ensured with
 - Transparent shrouds for neutral bars →
 - High quality insulation on bus-bars



- Assured level of **Ingress Protection (IP)** with the help of high quality gaskets in double door DBs



- Protection of DB interiors from cement splashes during civil activities with cement spill protector



- Ease of wiring is facilitated with removable top and bottom gland plates with adequate number of cut and carry knockouts



- Removing of shield made easy with ergonomically designed holding shield knobs

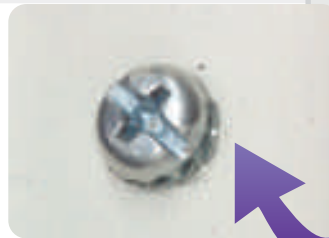


Customer Benefits



- Safe, neat and clutter-free wiring is facilitated with adequate space for wiring

- Complete safety is ensured by effective earthing throughout the distribution board with star washers



- Independently packed 'door-frame-shield' ensures-
 - Separate and safe storage at site
 - No damage during civil activities

Customized Distribution Boards

Prewired DBs

- Distribution Boards with factory fitted phase and neutral terminal blocks for termination of incoming and outgoing wires
- Available in both Single Phase and Three Phase DB versions



8 segment DBs

Distribution Boards with phase segregation between incomer, sub incomer, outgoing and supply changeover sections



DBs with provision for TV/Telephone Splitters

- Distribution Boards equipped with provisions to mount TV-Telephone splitters
- Available in both Single phase and Three phase DB versions



DBs with Auto manual switches

- Distribution Boards with inbuilt auto-manual switches
- Available in both Single phase and Three phase DB versions



For any other customized requirements please contact nearest L&T branch

SPN DB

Highlights

- IK 08-for single door DBs, IK 09-for double door DBs
- Available in CRCA sheet steel, RAL9003, powder coated
- Ready to use DBs - Provided with 100A insulated phase bus-bar | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification label
- With provision for DP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoing



IP 30 - Single Door

IP 43 - Metal Door

IP 43 - Glazed Door

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Outgoing		
IP 30 - Single Door				
4 way	2	2	DBSPN004SD	1035
6 way	2	4	DBSPN006SD	1130
8 way	2	6	DBSPN008SD	1295
12 way	2	10	DBSPN012SD	1535
16 way	2	14	DBSPN016SD	1890
18 way	2	16	DBSPN018SD	2440
IP 43 - Metal Door				
4 way	2	2	DBSPN004DD	1410
6 way	2	4	DBSPN006DD	1625
8 way	2	6	DBSPN008DD	1745
12 way	2	10	DBSPN012DD	2105
16 way	2	14	DBSPN016DD	2640
18 way	2	16	DBSPN018DD	3510
IP 43 - Glazed Door				
4 way	2	2	DBSPN004GD	1790
6 way	2	4	DBSPN006GD	1915
8 way	2	6	DBSPN008GD	2090
12 way	2	10	DBSPN012GD	2525
16 way	2	14	DBSPN016GD	3130
18 way	2	16	DBSPN018GD	3665
IP 54 - Metal Door				
4 way	2	2	DBSPN00454	4470
6 way	2	4	DBSPN00654	4985
8 way	2	6	DBSPN00854	5255
12 way	2	10	DBSPN01254	6070
16 way	2	14	DBSPN01654	6720
18 way	2	16	DBSPN01854	7200

TPN DB

Highlights

- IK 08-for single door DBs, IK 09-for double door DBs
- Available in CRCA sheet steel, RAL 9003, powder coated
- Ready to use DBs - Provided with 100A insulated phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- With provision for FP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoing



IP 30 - Single Door

IP 43 - Metal Door

IP 43 - Glazed Door

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Outgoing		
IP 30 - Single Door				
4 WAY	4	4+4+4	DBTPE004SD	2675
6 WAY	4	6+6+6	DBTPE006SD	3290
4 WAY	8	4+4+4	DBTPN004SD	2875
6 WAY	8	6+6+6	DBTPN006SD	3545
8 WAY	8	8+8+8	DBTPN008SD	4170
12 WAY	8	12+12+12	DBTPN012SD	6175
16 WAY	8	16+16+16	DBTPN016SD	7610
IP 43 - Metal Door				
4 WAY	4	4+4+4	DBTPE004DD	3285
6 WAY	4	6+6+6	DBTPE006DD	4055
4 WAY	8	4+4+4	DBTPN004DD	3500
6 WAY	8	6+6+6	DBTPN006DD	4320
8 WAY	8	8+8+8	DBTPN008DD	5175
12 WAY	8	12+12+12	DBTPN012DD	7750
16 WAY	8	16+16+16	DBTPN016DD	9560
IP 43 - Glazed Door				
4 WAY	4	4+4+4	DBTPE004GD	4210
6 WAY	4	6+6+6	DBTPE006GD	5195
4 WAY	8	4+4+4	DBTPN004GD	4485
6 WAY	8	6+6+6	DBTPN006GD	5535
8 WAY	8	8+8+8	DBTPN008GD	6635
12 WAY	8	12+12+12	DBTPN012GD	10180
16 WAY	8	16+16+16	DBTPN016GD	12220
IP 54 - Metal Door				
4 WAY	4	4+4+4	DBTPE00454	10165
6 WAY	4	6+6+6	DBTPE00654	12535
4 WAY	8	4+4+4	DBTPN00454	10705
6 WAY	8	6+6+6	DBTPN00654	12885
8 WAY	8	8+8+8	DBTPN00854	14090
12 WAY	8	12+12+12	DBTPN01254	19860
16 WAY	8	16+16+16	DBTPN01654	23835

PPI DB

Highlights

- IK 09-for double door DBs
- Available in CRCA sheet steel, RAL 9003, powder coated
- Ready to use DBs - Provided with 100A insulated phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- With provision for FP MCB/Isolator//RCCB/RCBO/ as incomer, DP RCCB/RCBO as sub-incomer and SP MCBs as outgoing



Horizontal PPI DBs

IP 43 - Metal Door

Description	No. of Modules			Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Sub-Incomer	Outgoing		
IP 43 - Metal Door					
4 way	8	2+2+2	4+4+4	DBHPI004DD	5390
6 way	8	2+2+2	6+6+6	DBHPI006DD	6435
8 way	8	2+2+2	8+8+8	DBHPI008DD	7650
12 way	8	2+2+2	12+12+12	DBHPI012DD	10460
16 way	8	2+2+2	16+16+16	DBHPI016DD	12555
IP 54 - Metal Door					
4 way	8	2+2+2	4+4+4	DBHPI00454	12640
6 way	8	2+2+2	6+6+6	DBHPI00654	15060
8 way	8	2+2+2	8+8+8	DBHPI00854	16635
12 way	8	2+2+2	12+12+12	DBHPI01254	22700
16 way	8	2+2+2	16+16+16	DBHPI01654	26995



Tier PPI DBs

IP 43 - Metal Door

Description	No. of Modules			Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Sub-Incomer	Outgoing		
IP 43 - Metal Door					
6 way	8	2+2+2	6+6+6	DBTPI006DD	7645
8 way	8	2+2+2	8+8+8	DBTPI008DD	9590
10 way	8	2+2+2	10+10+10	DBTPI010DD	10060
12 way	8	2+2+2	12+12+12	DBTPI012DD	10940
16 way	8	2+2+2	16+16+16	DBTPI016DD	11520
12 way	MCCB*	2+2+2	12+12+12	DBTPL012DD	11400
IP 54 - Metal Door					
6 way	8	2+2+2	6+6+6	DBTPI00654	12610
8 way	8	2+2+2	8+8+8	DBTPI00854	15825
10 way	8	2+2+2	10+10+10	DBTPI01054	16600
12 way	8	2+2+2	12+12+12	DBTPI01254	18055
16 way	8	2+2+2	16+16+16	DBTPI01654	19010
12 way	MCCB*	2+2+2	12+12+12	DBTPL01254	18815

*Suitable for 3 pole and 4 pole DU100H MCCB as incomer

TPN Phase Segregated DB

Highlights

- IK 08-for single door DBs. IK 09-for double door DBs
- Available in CRCA sheet steel, RAL 9003, powder coated
- Ready to use DBs - Provided with 100A insulated phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- With provision for 1. Modular Incomer - FP MCB/Isolator as incomer, DP RCCB/RCBO as sub-incomer and SP MCBs as outgoing
2. MCCB Incomer - TP/FP DU100H MCCB as incomer, DP RCCB/RCBO as sub-incomer and SP MCBs as outgoing



IP 30 - Single Door



IP 43 - Metal Door

With Modular Incomer

Description	No. of Modules			Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Sub-Incomer	Outgoing		
IP 30 - Single Door					
4 way	8	4+4+4	4+4+4	DBPSG004SD	8030
6 way	8	4+4+4	6+6+6	DBPSG006SD	8755
8 way	8	4+4+4	8+8+8	DBPSG008SD	9385
12 way	8	4+4+4	12+12+12	DBPSG012SD	10800
IP 43 - Metal Door					
4 way	8	4+4+4	4+4+4	DBPSG004DD	8695
6 way	8	4+4+4	6+6+6	DBPSG006DD	9800
8 way	8	4+4+4	8+8+8	DBPSG008DD	10930
12 way	8	4+4+4	12+12+12	DBPSG012DD	13960
IP 54 - Metal Door					
4 way	8	4+4+4	4+4+4	DBPSG00454	14925
6 way	8	4+4+4	6+6+6	DBPSG00654	16810
8 way	8	4+4+4	8+8+8	DBPSG00854	18775
12 way	8	4+4+4	12+12+12	DBPSG01254	23960



IP 30 - Single Door



IP 43 - Metal Door

With MCCB Incomer

Description	No. of Modules			Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer*	Sub-Incomer	Outgoing		
IP 30 - Single Door					
4 way	MCCB	4+4+4	4+4+4	DBPGL004SD	11590
6 way	MCCB	4+4+4	6+6+6	DBPGL006SD	13340
8 way	MCCB	4+4+4	8+8+8	DBPGL008SD	15325
12 way	MCCB	4+4+4	12+12+12	DBPGL012SD	17795
IP 43 - Metal Door					
4 way	MCCB	4+4+4	4+4+4	DBPGL004DD	13025
6 way	MCCB	4+4+4	6+6+6	DBPGL006DD	14900
8 way	MCCB	4+4+4	8+8+8	DBPGL008DD	17065
12 way	MCCB	4+4+4	12+12+12	DBPGL012DD	19435
IP 54 - Metal Door					
4 way	MCCB	4+4+4	4+4+4	DBPGL00454	22140
6 way	MCCB	4+4+4	6+6+6	DBPGL00654	25325
8 way	MCCB	4+4+4	8+8+8	DBPGL00854	29010
12 way	MCCB	4+4+4	12+12+12	DBPGL01254	33040

*Suitable for 3 pole and 4 pole DU100H MCCB as incomer

TPN Phase Selector DB

Highlights

- IK 08-for single door DBs, IK 09-for double door DBs
- Available in CRCA sheet steel, RAL 9003, powder coated
- Ready to use DBs - Provided with 3 nos. of 63A Salzer rotary switches | 3 nos. of rocker switches for phase identification | 100A insulated phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- With provision for - FP MCB/Isolator/RCCB/RCBO as incomer and SP MCBs as outgoings



IP 30 - Single Door

IP 43 - Metal Door

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Outgoing		
IP 30 - Single Door				
4 way	8	4+4+4	DBPSR004SD	11110
6 way	8	6+6+6	DBPSR006SD	11815
8 way	8	8+8+8	DBPSR008SD	13090
10 way	8	10+10+10	DBPSR010SD	13580
12 way	8	12+12+12	DBPSR012SD	14370
IP 43 - Metal Door				
4 way	8	4+4+4	DBPSR004DD	12370
6 way	8	6+6+6	DBPSR006DD	12570
8 way	8	8+8+8	DBPSR008DD	13465
10 way	8	10+10+10	DBPSR010DD	14385
12 way	8	12+12+12	DBPSR012DD	15165
IP 54 - Metal Door				
4 way	8	4+4+4	DBPSR00454	16570
6 way	8	6+6+6	DBPSR00654	16835
8 way	8	8+8+8	DBPSR00854	18040
10 way	8	10+10+10	DBPSR01054	19270
12 way	8	12+12+12	DBPSR01254	20315

Flexi/Row DB

Highlights

- IK 08-for single door DBs, IK 09-for double door DBs
- Available in CRCA sheet steel, RAL 9003, powder coated
- Ready to use DBs - neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | cable ties | blanking plates and circuit identification labels
- With provision to mount modular devices as per requirement



IP 30 - Single Door

IP 43 - Metal Door

IP 43 - Glazed Door

Description	No. of Modules Per Row	Cat. Nos.	M.R.P. (₹) Per Unit
IP 30 - Single Door			
2 Row 28 Module	14	DBROW228SD	4455
3 Row 42 Module	14	DBROW342SD	5245
4 Row 56 Module	14	DBROW456SD	5715
4 Row 64 Module	16	DBROW464SD	6220
IP 43 - Metal Door			
2 Row 28 Module	14	DBROW228DD	3665
3 Row 42 Module	14	DBROW342DD	4400
4 Row 56 Module	14	DBROW456DD	5040
4 Row 64 Module	16	DBROW464DD	5660
IP 43 - Glazed Door			
2 Row 28 Module	14	DBROW228GD	4575
3 Row 42 Module	14	DBROW342GD	5610
4 Row 56 Module	14	DBROW456GD	6355
4 Row 64 Module	16	DBROW464GD	6975
IP 54 - Metal Door			
2 Row 28 Module	14	DBROW22854	7210
3 Row 42 Module	14	DBROW34254	8915
4 Row 56 Module	14	DBROW45654	9715
4 Row 64 Module	16	DBROW46454	10725

DB Accessories

Busbar - Fork Type

Highlights

- Conforms to IEC 61439-3
- Available in Single Pole, Double Pole, Three Pole and Four Pole versions
- Material : Copper



Description	Cat. Nos.	M.R.P. (₹) Per Unit	Std. Pack Qty.
SP 13 Mod	BSP13	280	5
SP 56 Mod	BSP56	1060	5
DP 12 Mod	BDP12	465	5
TP 12 Mod	BTP12	495	5
FP 12 Mod	BFP12	1040	5
End Caps for SP	ECP01	8	10
End Caps for DP/TP	ECP03	25	10
End Caps for FP	ECP04	35	10

Blanking Plates

Highlights

- Available in One module and Half module



Description	Cat. Nos.	M.R.P. (₹) Per Unit	Std. Pack Qty.
One Module	BKP10	15	10
Half Module	BKP05	15	10

Padlock

Highlights

- Version with standard lock and a common key



PDK02

Description	Cat. Nos.	M.R.P. (₹) Per Unit	Std. Pack Qty.
Lock and Key Kit	PDK02	450	5

Vertical TPN DB with Modular Incomer

Highlights

- IK 08-for single door DBs, IK 09-for double door DBs
- Available in CRCA sheet steel, RAL 9003, powder coated
- Ready to use DBs - Provided with insulated vertical phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- With provision for FP MCB/Isolator/RCCB/RCBO as incomer and SP/TP MCBs as outgoing



IP 30 - Single Door



IP 43 - Metal Door



IP 43 - Glazed Door

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer	Outgoing		
IP 30 - Single Door				
4 way	8	4+4+4	DBVTM004SD	7960
6 way	8	6+6+6	DBVTM006SD	8705
8 way	8	8+8+8	DBVTM008SD	9715
12 way	8	12+12+12	DBVTM012SD	14030
16 way	8	16+16+16	DBVTM016SD	16225
IP 43 - Metal Door				
4 way	8	4+4+4	DBVTM004DD	8530
6 way	8	6+6+6	DBVTM006DD	10430
8 way	8	8+8+8	DBVTM008DD	11430
12 way	8	12+12+12	DBVTM012DD	15815
16 way	8	16+16+16	DBVTM016DD	18665
IP 43 - Glazed Door				
4 way	8	4+4+4	DBVTM004GD	11385
6 way	8	6+6+6	DBVTM006GD	12160
8 way	8	8+8+8	DBVTM008GD	14475
12 way	8	12+12+12	DBVTM012GD	19310
16 way	8	16+16+16	DBVTM016GD	20500
IP 54 - Metal Door				
4 way	8	4+4+4	DBVTM00454	17175
6 way	8	6+6+6	DBVTM00654	19300
8 way	8	8+8+8	DBVTM00854	20660
12 way	8	12+12+12	DBVTM01254	27530
16 way	8	16+16+16	DBVTM01654	29150

Vertical TPN DB with MCCB Incomer

Highlights

- IK 08-for single door DBs, IK 09-for double door DBs
- Available in CRCA sheet steel, RAL 9003, powder coated
- Ready to use DBs - Provided with insulated vertical phase bus-bars | neutral bar/s with shroud/s | earth bar/s | sticking saddles | cement spill protector | color-coded interconnecting wire set | cable ties | blanking plates and circuit identification labels
- With provision for MCCB* as incomer and SP/TP MCBs as outgoing
 - *Suitable for 3 pole and 4 Pole MCCB as incomer
 - A) Up to 125A - DU100H, DU125H (Icu = 30kA, Ics = 50% Icu)
 - B) Up to 250A - DU250 (Icu = 36kA, Ics = 50% Icu)



IP 30 - Single Door



IP 43 - Metal Door



IP 43 - Glazed Door

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer*	Outgoing		
IP 30 - Single Door				
4 way	MCCB	4+4+4	DBVTL004SD	9130
6 way	MCCB	6+6+6	DBVTL006SD	9920
8 way	MCCB	8+8+8	DBVTL008SD	10805
12 way	MCCB	12+12+12	DBVTL012SD	16340
16 way	MCCB	16+16+16	DBVTL016SD	19330
IP 43 - Metal Door				
4 way	MCCB	4+4+4	DBVTL004DD	10225
6 way	MCCB	6+6+6	DBVTL006DD	11735
8 way	MCCB	8+8+8	DBVTL008DD	12850
12 way	MCCB	12+12+12	DBVTL012DD	17100
16 way	MCCB	16+16+16	DBVTL016DD	19730
IP 43 - Glazed Door				
4 way	MCCB	4+4+4	DBVTL004GD	11500
6 way	MCCB	6+6+6	DBVTL006GD	13035
8 way	MCCB	8+8+8	DBVTL008GD	14700
12 way	MCCB	12+12+12	DBVTL012GD	19600
16 way	MCCB	16+16+16	DBVTL016GD	21700
IP 54 - Metal Door				
4 way	MCCB	4+4+4	DBVTL00454	19765
6 way	MCCB	6+6+6	DBVTL00654	21200
8 way	MCCB	8+8+8	DBVTL00854	23760
12 way	MCCB	12+12+12	DBVTL01254	29990
16 way	MCCB	16+16+16	DBVTL01654	35890

*Suitable for 3 pole and 4 pole DU100H, DU125H MCCB as incomer

Vertical TPN DB with MCCB Incomer

Up to 250A MCCB Incomer



IP 30 - Single Door IP 43 - Metal Door IP 43 - Glazed Door

Description	No. of Modules		Cat. Nos.	M.R.P. (₹) Per Unit
	Incomer*	Outgoing		
IP 30 - Single Door				
4 way	MCCB	4+4+4	DBVTH004SD	11205
6 way	MCCB	6+6+6	DBVTH006SD	11755
8 way	MCCB	8+8+8	DBVTH008SD	12930
12 way	MCCB	12+12+12	DBVTH012SD	18265
16 way	MCCB	16+16+16	DBVTH016SD	22010
IP 43 - Metal Door				
4 way	MCCB	4+4+4	DBVTH004DD	12635
6 way	MCCB	6+6+6	DBVTH006DD	14350
8 way	MCCB	8+8+8	DBVTH008DD	15780
12 way	MCCB	12+12+12	DBVTH012DD	21125
16 way	MCCB	16+16+16	DBVTH016DD	25085
IP 43 - Glazed Door				
4 way	MCCB	4+4+4	DBVTH004GD	20850
6 way	MCCB	6+6+6	DBVTH006GD	23395
8 way	MCCB	8+8+8	DBVTH008GD	24330
12 way	MCCB	12+12+12	DBVTH012GD	25640
16 way	MCCB	16+16+16	DBVTH016GD	27590
IP 54 - Metal Door				
4 way	MCCB	4+4+4	DBVTH00454	28140
6 way	MCCB	6+6+6	DBVTH00654	30725
8 way	MCCB	8+8+8	DBVTH00854	31775
12 way	MCCB	12+12+12	DBVTH01254	37210
16 way	MCCB	16+16+16	DBVTH01654	39160

*Suitable for 3 pole and 4 pole DU250 MCCB as incomer

Enclosure

Highlights

- Suitable for Surface and Flush mounting
- Available in CRCA sheet steel RAL9003 powder coated
- With provision to mount MCB/Isolator/RCCB/RCBO and other modular devices



IP 30 - Metal Door

Description	No. of Modules	Cat. Nos.	M.R.P. (₹) Per Unit
IP 30 - Metal Door			
2 way	2	DBENC002SD	540
3 way	3	DBENC003SD	540
4 way	4	DBENC004SD	540
6 way	6	DBENC006SD	815

Plug & Socket DB

Highlights

- Suitable for Surface and Flush mounting
- Available in CRCA sheet steel RAL9003 powder coated
- Loose Metal Plugs & Sockets conforms to IS 8804; available in Single Phase & Three Phase



Metal Plug & Socket



Plastic Plug & Socket

Description	No. of Pins	No. of Modules	Cat. Nos.	M.R.P. (₹) Per Unit
Metal Plug & Sockets				
10 A, 2 Pin + SC^	P + N	1	DBMPS110SD	1390
20 A, 2 Pin + SC^	P + N	1	DBMPS120SD	1495
20 A, 2 Pin + SC^	P + N	2	DBMPS220SD	1630
20 A, 3 Pin + SC^	3P	3	DBMPS320SD	2760
32 A, 3 Pin + SC^	3P	3	DBMPS332SD	3265
32 A, 3 Pin + SC^	3P	4	DBMPS432SD	3470
63 A, 5 Pin + SC^	3P+N+E	4	DBMPS463SD	11795
Plastic Plug & Sockets				
16 A, 3 Pin	P+N+E	2	DBPPS316SD	2250
32 A, 3 Pin	P+N+E	4	DBPPS332SD	2430
32 A, 5 Pin	3P+N+E	8	DBPPS532SD	4425
63 A, 5 Pin	3P+N+E	8	DBPPS563SD	11255

Metal Plug



Description	No. of Pins	Cat. Nos.	M.R.P. (₹) Per Unit
10 A, 2 Pin + SC^	P + N	MPS210P	145
20 A, 2 Pin + SC^	P + N	MPS220P	155
20 A, 3 Pin + SC^	3P	MPS320P	205
32 A, 3 Pin + SC^	3P	MPS332P	385

Metal Socket



Description	No. of Pins	Cat. Nos.	M.R.P. (₹) Per Unit
10 A, 2 Pin + SC^	P + N	MPS210S	150
20 A, 2 Pin + SC^	P + N	MPS220S	170
20 A, 3 Pin + SC^	3P	MPS320S	225
32 A, 3 Pin + SC^	3P	MPS332S	385

^SC-Scraping Earth

Cable End Boxes

Highlights

- Available in CRCA sheet steel RAL9003 powder coated
- Can be either at the top or bottom of the distribution board



Description	Cat. Nos.	M.R.P. (₹) Per Unit
CEB for SPN DBs		
CEB-SPN Double Door, 4 way	DBSPN004CB	605
CEB-SPN Double Door, 6 way	DBSPN006CB	645
CEB-SPN Double Door, 8 way	DBSPN008CB	720
CEB-SPN Double Door, 12 way	DBSPN012CB	805
CEB-SPN Double Door, 16 way	DBSPN016CB	1115
CEB-SPN Double Door, 18 way	DBSPN018CB	1185
CEB for TPN DBs		
CEB-TPN Double Door, 4 way	DBTPN004CB	1010
CEB-TPN Double Door, 6 way	DBTPN006CB	1280
CEB-TPN Double Door, 8 way	DBTPN008CB	1980
CEB-TPN Double Door, 12 way	DBTPN012CB	2575
CEB-TPN Double Door, 16 way	DBTPN016CB	2600
CEB-TPE Double Door, 4 way	DBTPE004CB	950
CEB-TPE Double Door, 6 way	DBTPE006CB	1185
CEB for Horizontal PPI DBs		
CEB-Horz. PPI Double Door, 4 way	DBHPI004CB	1165
CEB-Horz. PPI Double Door, 6 way	DBHPI006CB	1325
CEB-Horz. PPI Double Door, 8 way	DBHPI008CB	1560
CEB-Horz. PPI Double Door, 12 way	DBHPI012CB	1745
CEB-Horz. PPI Double Door, 16 way	DBHPI016CB	1970
CEB for Tier PPI DBs		
CEB-Tier PPI Double Door, 6 way	DBTPI006CB	1100
CEB-Tier PPI Double Door, 8 way	DBTPI008CB	1150
CEB-Tier PPI Double Door, 10 way	DBTPI010CB	1395
CEB-Tier PPI Double Door, 12 way	DBTPI012CB	1710
CEB-Tier PPI Double Door, 16 way	DBTPI016CB	1820
CEB-Tier PPI Double Door, 12 way MCCB incomer	DBTPL012CB	1730

Description	Cat. Nos..	M.R.P. (₹) Per Unit
CEB for VTPN DBs		
CEB-VTPN Double Door, Modular Incomer	DBVTMXXCB	780
CEB-VTPN Double Door, MCCB Incomer	DBVTXXXCB	2800
CEB for FLEXI DBs		
CEB for Flexi DBs with 14 Modules per Row	DBROWX14CB	905
CEB for Flexi DBs with 16 Modules per Row	DBROWX16CB	1030
CEB for Phase Segregated DBs		
CEB-PSG Double Door, 4 way	DBPSG004CB	1730
CEB-PSG Double Door, 6 way	DBPSG006CB	2060
CEB-PSG Double Door, 8 way	DBPSG008CB	2280
CEB-PSG Double Door, 12 way	DBPSG012CB	2535
CEB for Phase Selector DBs		
CEB-Phase Selector Double Door, 4 way	DBPSR004CB	875
CEB-Phase Selector Double Door, 6 way	DBPSR006CB	990
CEB-Phase Selector Double Door, 8 way	DBPSR008CB	1605
CEB-Phase Selector Double Door, 10 way	DBPSR010CB	1855
CEB-Phase Selector Double Door, 12 way	DBPSR012CB	2010



READY-TO-USE POWER DISTRIBUTION SOLUTION

ENERSYS-S

SUB-MAIN DISTRIBUTION BOARD

Energys-S from L&T is design verified assembly that complies with IEC 61439-2 and certified by DEKRA. It is a design verified sub main distribution board for power distribution that is designed for easy handling and simple installation. It also offers safe, reliable and higher performance.

Customer Interaction Centre (CIC)

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L&T SWITCHGEAR

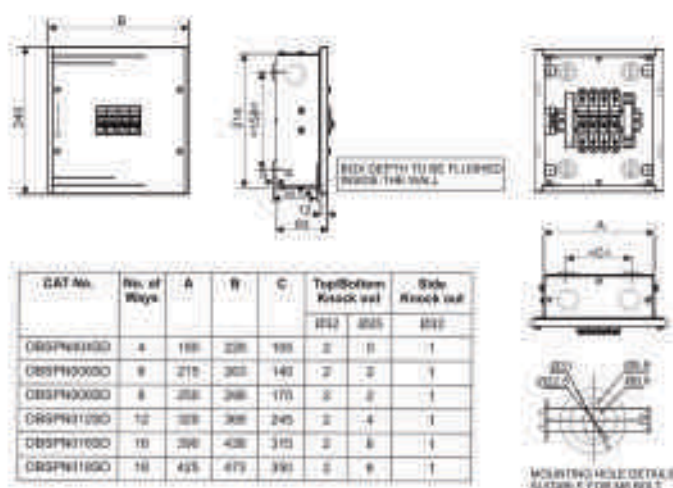
SAFE & SURE

Distribution Board (DB) Selection Guide

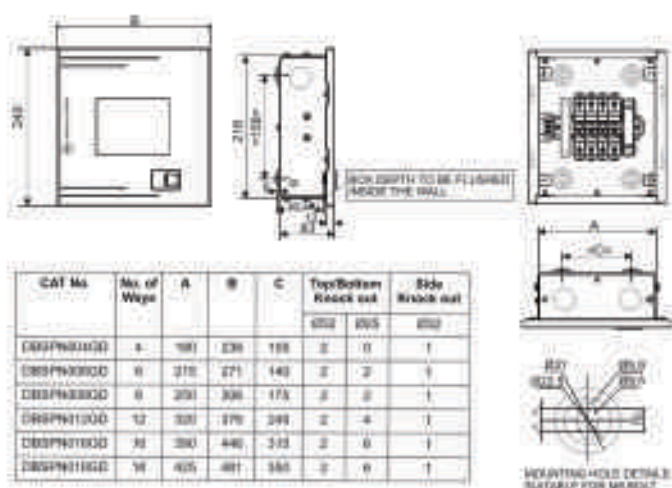
SPN	- For single phase supply distribution
TPN	- For three phase supply distribution
TPN - Horizontal PPI	- For three phase supply distribution in Horizontal disposition - Isolation between phases is achieved with leakage protection device as sub-incomer and separate neutral bar for individual phases (PPI - Per Phase Isolation) - In case one of the circuits experiences earth leakage fault in a specific phase, sub-incomer of that phase trips leaving other phases operate normally
TPN - Tier PPI	- For three phase supply distribution in Tier/Vertical disposition - Isolation between phases is achieved with leakage protection device as sub-incomer and separate neutral bar for individual phases (PPI - Per Phase Isolation) - In case one of the circuits experiences earth leakage fault in a specific phase, sub-incomer of that phase trips leaving other phases operate normally
VTPN Modular Incomer	- For three phase supply distribution (Vertical TPN) - For sites with constraint on mounting DB of higher width - Higher rating (125A) of incomer and corresponding bus bar - Combination of single phase and three phase outgoing MCBs - DBs come with PAN assembly for ready installation of incomer and outgoing devices
VTPN MCCB Incomer	- For three phase supply distribution - For sites with constraint on mounting DB of higher width - Combination of single phase and three phase outgoing MCBs - For MCCB as incomer (with current rating up to 250A) with typically higher breaking capacity than that of an MCB - DBs come with PAN assembly for ready installation of incomer and outgoing devices
TPN - Phase Segregated (7 Segment)	- For three phase supply distribution - Isolation between phases is achieved with leakage protection device as sub-incomer and separate neutral bar for individual phases - Physical separation between outgoing phases, phase sub-incomer and main incomer - Owing to compartmental design, any of the sections can be individually opened
TPN - Phase Selector	- For three phase supply distribution - To maintain continuity of supply to a critical load by switching over to live phase temporarily
Flexi / Row	- Choice of either single phase or three phase supply distribution - Choice of number of modules for incoming and outgoing as per specific requirement - Choice of installing monitoring and control devices
Enclosure	- Enclosure for modular devices
Plug & Socket	- Providing protection to standalone single phase and three phase loads

Dimension Details SPN DB

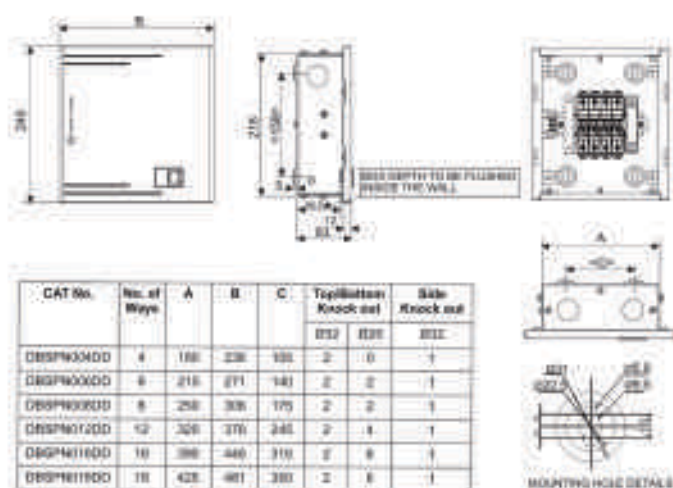
IP 30 single door



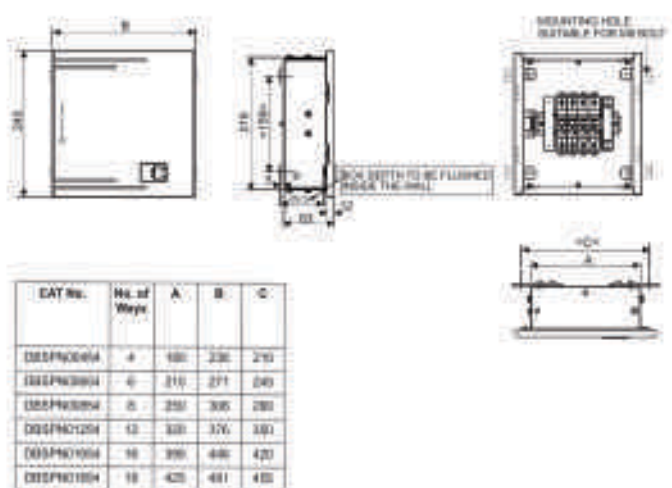
IP 43 glazed door



IP 43 metal door

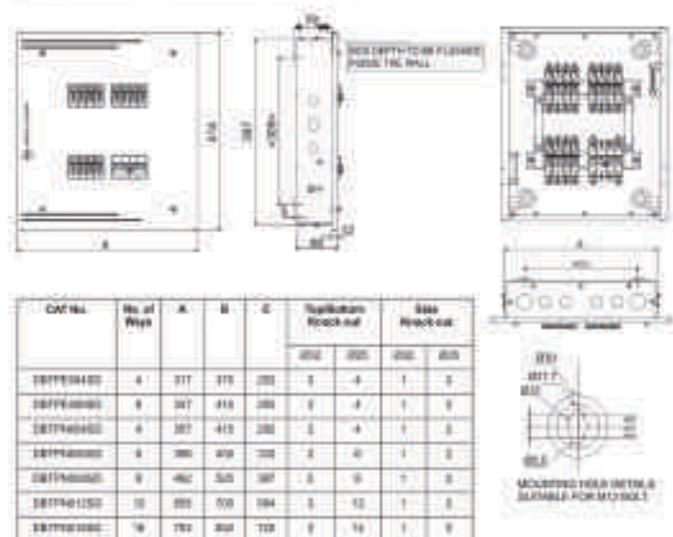


IP 54 metal door

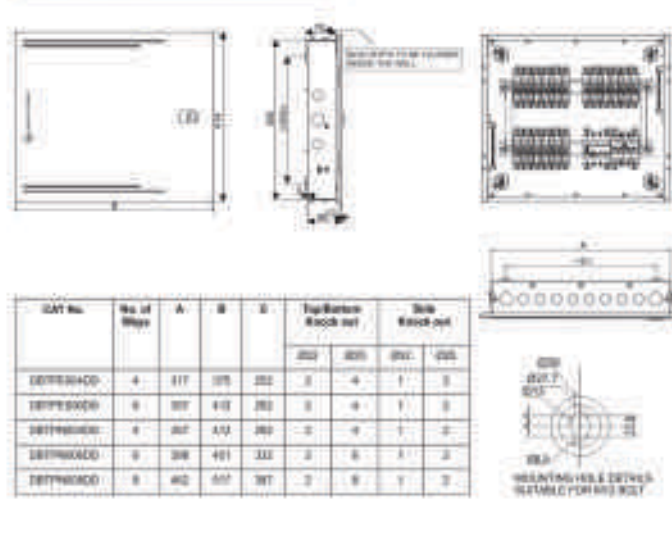


Dimension Details TPN DB

IP 30 single door



IP 43 metal door



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm
TOLERANCE ON DIMENSIONS ± 0.2 mm

Dimension Details TPN DB

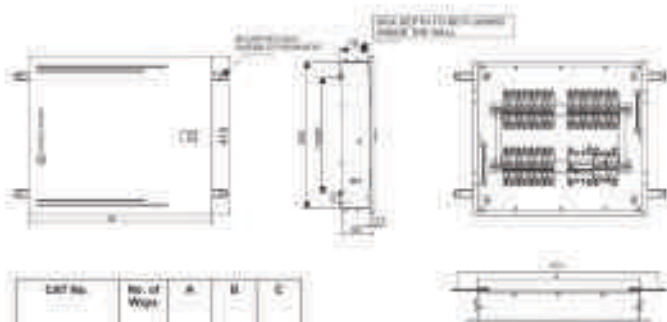
IP 43 metal door



CST No.	No. of Pages	A	B	C	Topicalities Present in		Date Received to	
					Q1	Q2	Q3	Q4
00199412001	12	200	710	500	5	12	1	2
00199412002	16	100	600	720	5	14	1	3

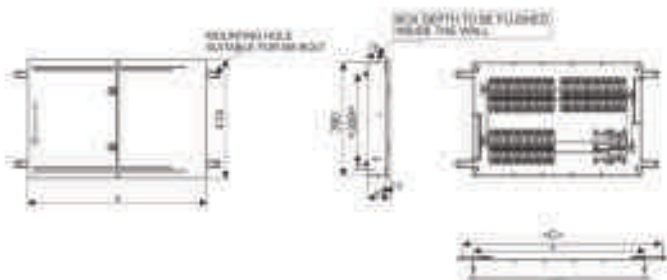


IP 54 metal door



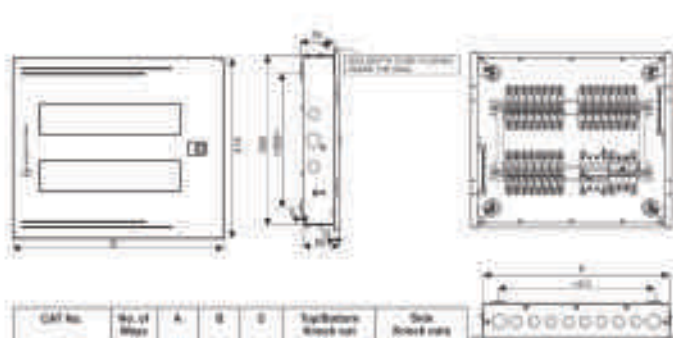
Est No.	No. of Wpts	A	B	C
DOTF00000	4	317	378	407
DOTF00004	2	397	412	487
DOTF00006	4	387	412	487
DOTF00008	4	388	401	505
DOTF00009	3	463	517	571

IP 54 metal door



Cyl. No.	No. of Weighs	A	B	C
12074011204	10	000	712	1000
12074011205	10	100	600	1000

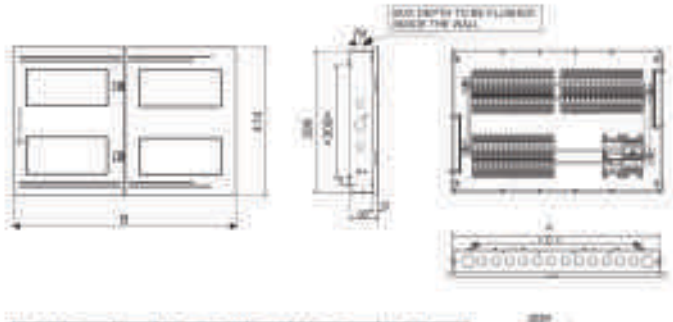
IP 43 glazed door



CIAT No.	No. of Meters	A	B	C	Explosives Weight (kg)		Sens. (Seconds)	
					INIT	SEC	INIT	SEC
3879994400	6	117	378	280	3	6	1	3
3879994500	6	107	410	280	3	6	1	3
3879994600	6	107	410	280	3	6	1	3
3879994700	6	108	401	280	3	6	1	3
3879994800	6	460	567	280	3	6	1	3



IP 43 glazed door



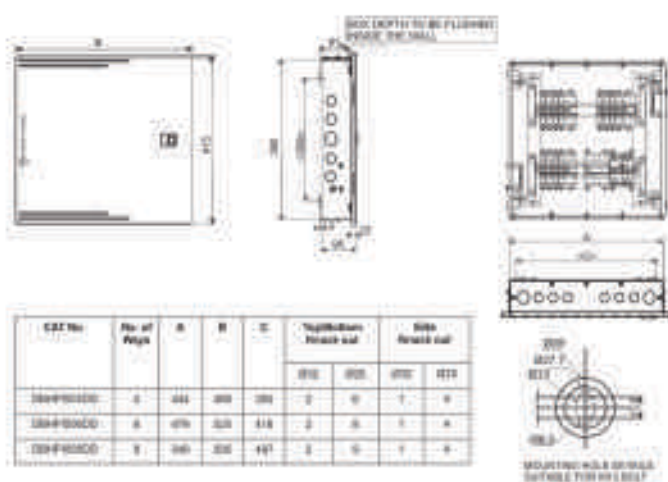
Cell No.	No. of Nests	A	B	C	Trap/Random Search and		Radio Search and	
					2002	2003	2002	2003
1207N100000	50	600	710	1000	0	0	0	0
1207N100000	50	500	600	1000	0	14	1	0



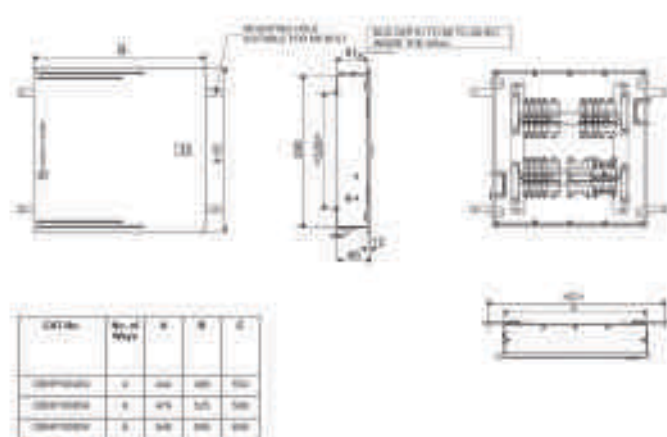
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm
TOLERANCE ON DIMENSIONS = ± 0.2 mm

Dimension Details Horizontal PPI DB

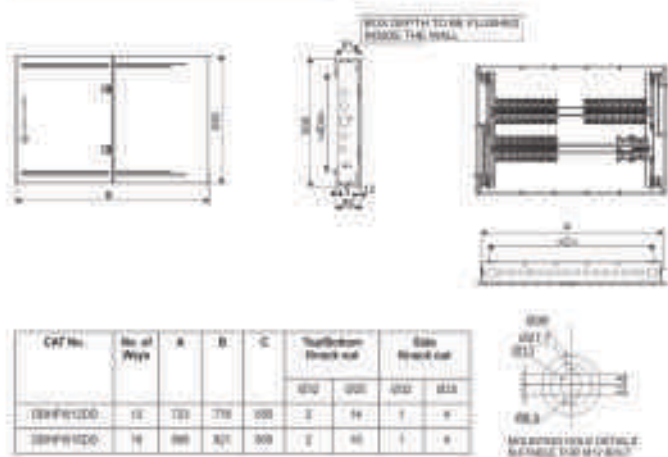
IP 43 metal door



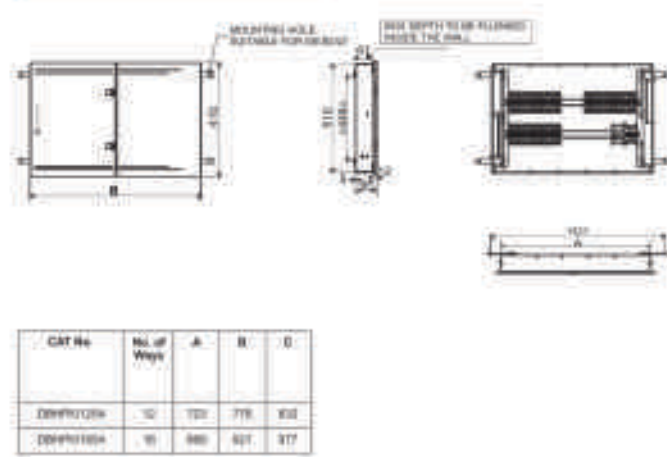
IP 54 metal door



IP 43 metal door

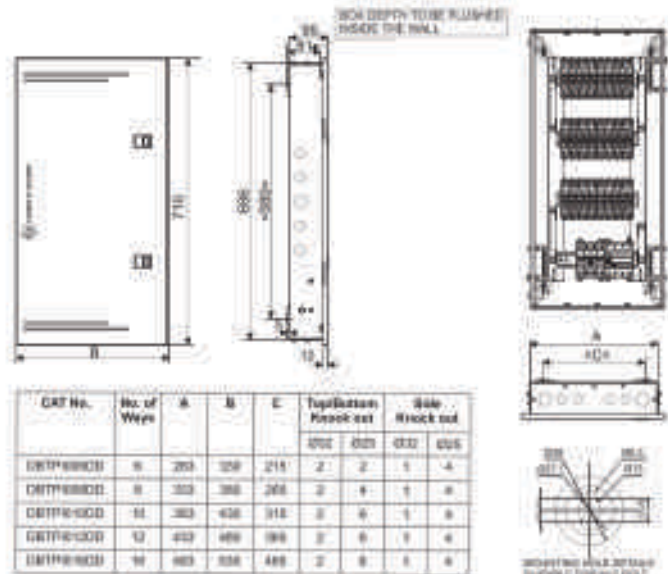


IP 54 metal door

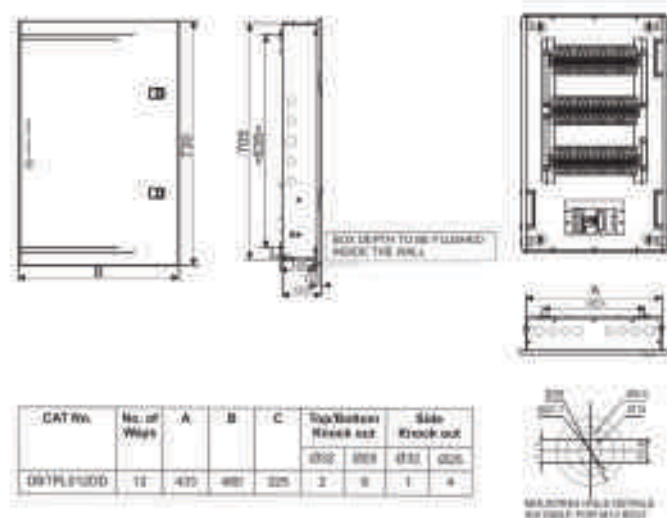


Dimension Details Tier PPI DB

IP 43 metal door



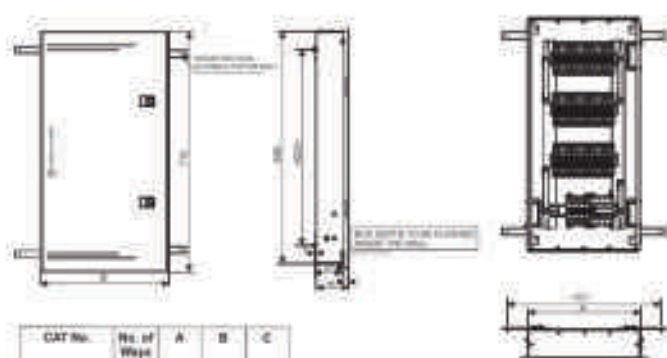
IP 43 metal door- MCCB incoming



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm
TOLERANCE ON DIMENSIONS +42 mm

Dimension Details Tier PPI DB

IP 54 metal door



CAT No.	No. of Ways	A	B	C
DBTM0004	4	200	230	190
DBTM0008	8	230	260	440
DBTM0016	16	300	430	450
DBTM0024	12	420	400	540
DBTM0048	16	490	530	640

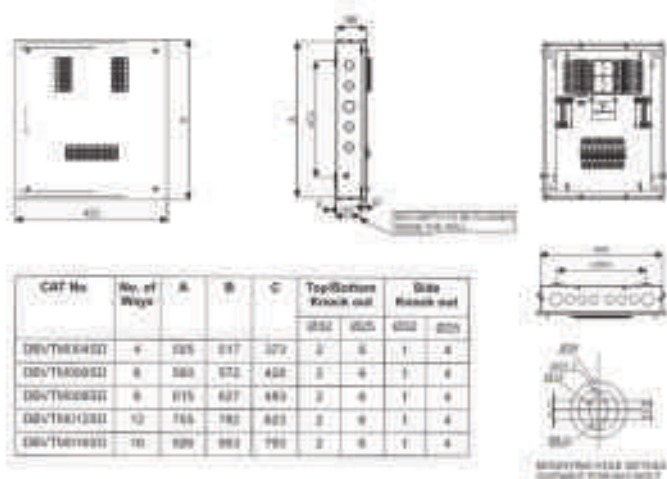
IP 54 metal door - MCCB incomer



CAT No.	No. of Ways	A	B	C
DBTM001204	12	420	400	540

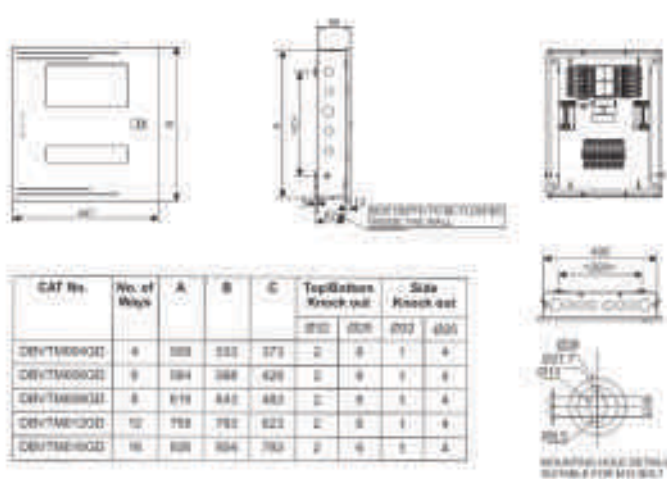
Dimension Details VTPN DB-MCB Incomer

IP 30 metal door



CAT No	No. of Ways	A	B	C	Top/Bottom Knock out		Side Knock out	
					DB02	DB05	DB02	DB05
DBVTM000400	4	125	147	172	2	1	4	
DBVTM000800	8	180	172	428	2	1	4	
DBVTM001600	16	215	427	483	2	1	4	
DBVTM001200	12	165	180	603	2	1	4	
DBVTM001800	18	320	583	793	2	1	4	

IP 43 glazed door



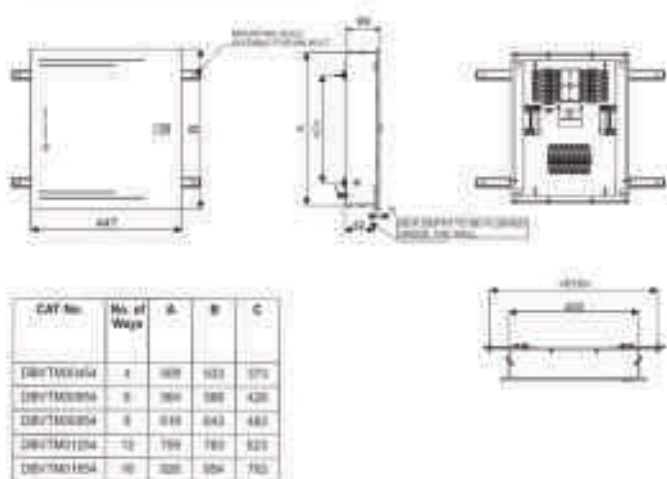
CAT No.	No. of Ways	A	B	C	Top/Bottom Knock out		Side Knock out	
					2002	2003	2003	2004
DBVTM000400	4	100	111	171	2	0	1	4
DBVTM000800	8	104	166	426	2	0	1	4
DBVTM001600	16	119	441	481	2	0	1	4
DBVTM001200	12	168	181	621	2	0	1	4
DBVTM001800	18	320	581	781	2	0	1	4

IP 43 metal door



CAT No.	No. of Ways	A	B	C	Top/Bottom Knock out		Side Knock out	
					DBVT	DBVT	DBVT	DBVT
DBVTM000400	4	125	147	172	2	1	4	
DBVTM000800	8	180	172	428	2	1	4	
DBVTM001600	16	215	427	483	2	1	4	
DBVTM001200	12	165	180	603	2	1	4	
DBVTM001800	18	320	583	793	2	1	4	

IP 54 metal door

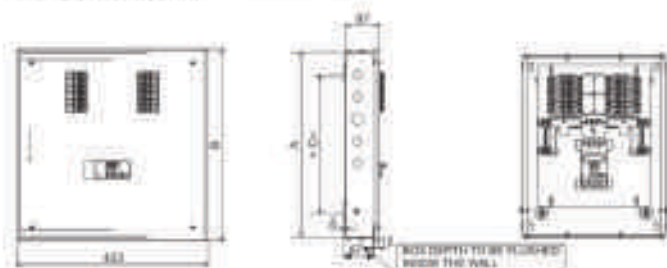


CAT No.	No. of Ways	A	B	C
DBVTM0004	4	180	123	175
DBVTM0008	8	180	180	428
DBVTM0016	16	215	443	483
DBVTM001204	12	165	180	623
DBVTM001804	18	320	584	793

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm
TOLERANCE ON DIMENSIONS = ±2 mm

Dimension Details VTPN DB-125A MCCB Incomer

IP 30 metal door

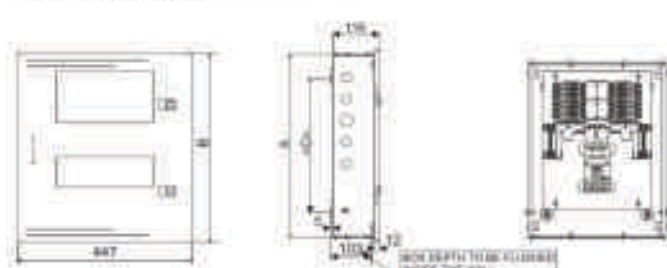


CAT No.	No. of Ways	A	B	C	Top/Bottom Knock out		Side Knock out	
					Ø32	Ø25	Ø32	Ø25
DBVTL004GD	4	595	516	375	2	0	1	4
DBVTL006GD	6	645	575	425	2	0	1	4
DBVTL008GD	8	675	625	455	2	0	1	4
DBVTL012GD	12	725	735	505	2	0	1	4
DBVTL016GD	16	801	805	715	2	0	1	4



Mounting hole detail suitable for M12 bolt

IP 43 glazed door

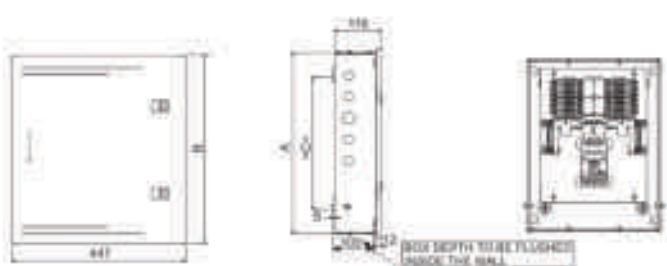


CAT No.	No. of Ways	A	B	C	Top/Bottom Knock out		Side Knock out	
					Ø32	Ø25	Ø32	Ø25
DBVTL004GD	4	595	533	375	2	0	1	4
DBVTL006GD	6	644	586	425	2	0	1	4
DBVTL008GD	8	674	640	455	2	0	1	4
DBVTL012GD	12	724	752	505	2	0	1	4
DBVTL016GD	16	801	879	715	2	0	1	4



Mounting hole detail suitable for M12 bolt

IP 43 metal door

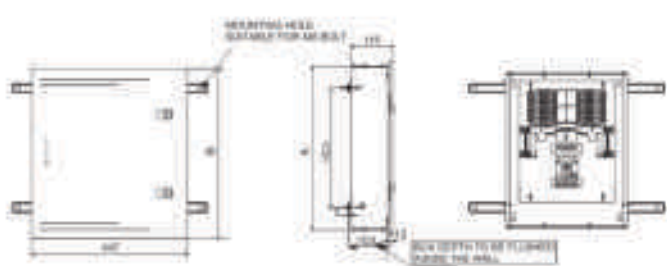


CAT No.	No. of Ways	A	B	C	Top/Bottom Knock out		Side Knock out	
					Ø32	Ø25	Ø32	Ø25
DBVTL004GD	4	589	533	375	2	0	1	4
DBVTL006GD	6	644	586	425	2	0	1	4
DBVTL008GD	8	679	643	455	2	0	1	4
DBVTL012GD	12	729	753	505	2	0	1	4
DBVTL016GD	16	801	879	715	2	0	1	4



Mounting hole detail suitable for M12 bolt

IP 54 metal door

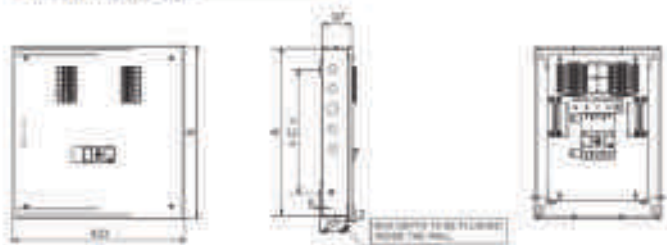


CAT No.	No. of Ways	A	B	C
DBVTL004M	4	595	533	397
DBVTL006M	6	644	586	425
DBVTL008M	8	679	643	453
DBVTL012M	12	729	753	500
DBVTL016M	16	801	879	725



Dimension Details VTPN DB-250A MCCB Incomer

IP 30 metal door

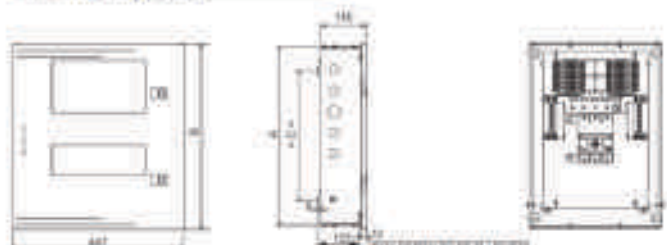


CAT No.	No. of Ways	A	B	C	Top/Bottom Knock out		Side Knock out	
					Ø32	Ø25	Ø32	Ø25
DBVTH004GD	4	615	608	483	2	0	1	4
DBVTH006GD	6	679	683	525	2	0	1	4
DBVTH008GD	8	725	730	563	2	0	1	4
DBVTH012GD	12	851	863	715	2	0	1	4
DBVTH016GD	16	1015	1028	863	2	0	1	4



Mounting hole detail suitable for M12 bolt

IP 43 glazed door



CAT No.	No. of Holes	A	B	C	Top/Bottom Knock out		Side Knock out	
					DBK	DBK	DBK	DBK
DBVTH004GD	4	615	643	483	2	0	1	4
DBVTH006GD	6	679	698	539	2	0	1	4
DBVTH008GD	8	725	753	583	2	0	1	4
DBVTH012GD	12	851	879	715	2	0	1	4
DBVTH016GD	16	1015	1044	863	2	0	1	4

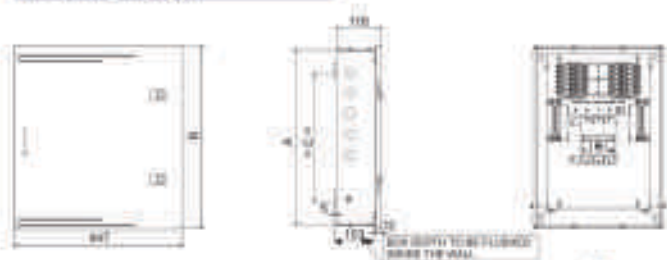


Mounting hole detail suitable for M12 bolt

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm
TOLERANCE ON DIMENSIONS = ±2 mm

Dimension Details VTPN DB-250A MCCB Incomer

IP 43 metal door



CAT No.	No. of Ways	A	B	C	Tegbiters Knock out		New Knock out	
					012	010	012	010
D017H0000D	4	019	043	483	2	0	0	4
D017H0001D	8	070	066	038	2	0	0	4
D017H0002D	8	138	763	080	2	0	1	4
D017H0103D	10	001	009	710	2	0	0	4
D017H0105D	10	1018	1044	083	2	0	0	4



IP 54 metal door

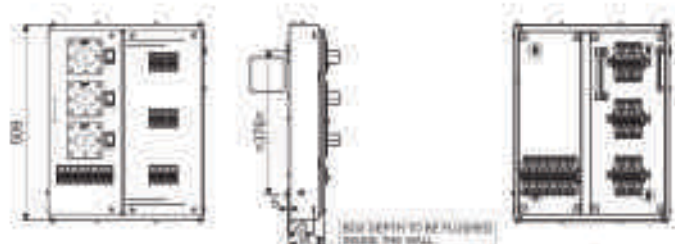


CAT No.	No. of Days	A	B	C
DDY-7H04054	4	0.75	0.43	406
DDY-7H00034	8	0.75	0.86	343
DDY-7H04044	8	1.00	1.00	339
DDY-7H01024	12	0.51	0.75	328
DDY-7H00054	16	1.00	1.00	300



Dimension Details Phase Selector DB

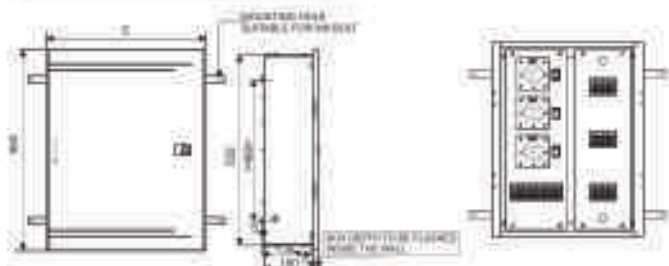
IP 30 metal door



CAF No.	Start Ways	A	B	Topological Branch out	
				Out	in
DDPSPR0002	4	470	370	2	0
DDPSPR0003	8	430	320	2	0
DDPSPR0004	8	470	360	2	0
DDPSPR0005	10	330	360	2	0
DDPSPR0006	12	340	400	2	0



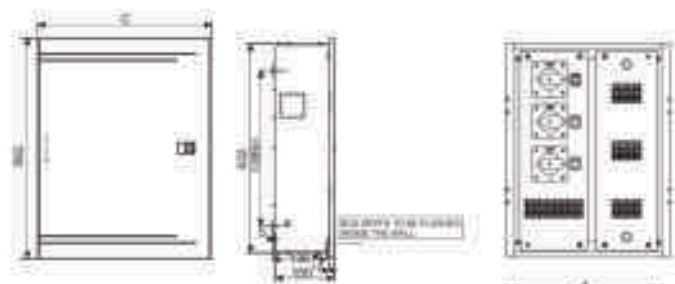
IP 54 metal door



CAT No.	No. of Maps	A	B	C
DEP000000000000	4	400	310	440
DEP000000000000	5	430	340	460
DEP000000000000	6	470	380	510
DEP000000000000	10	820	610	850
DEP000000000000	12	940	700	950



IP 43 metal door



CAT No.	No. of Ways	A	B	C	Top/Bottom Knock out	
					2012	2013
DDPSR000000	4	400	380	440	2	0
DDPSR000000	6	430	320	480	2	0
DDPSR000000	6	470	360	510	2	0
DDPSR000000	8	500	380	530	2	0
DDPSR000000	10	540	420	560	0	10



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm
TOLERANCE ON DIMENSIONS = ± 0.25 mm

Dimension Details Phase Segregated DB-MCB Incomer

IP 30 metal door

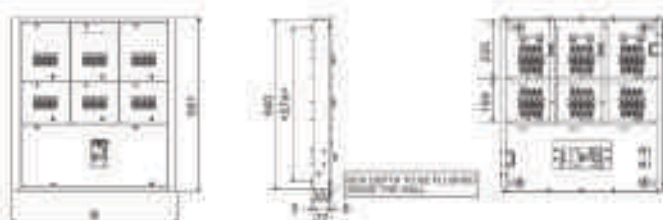


CAT No.	No. of Ways	A	B	C	Top/Bottom Knock out	
					Ø32	Ø25
DBPSG004SD	4	491	513	384	2	8
DBPSG006SD	6	596	618	489	2	10
DBPSG008SD	8	701	723	594	2	12
DBPSG012SD	12	911	933	804	2	18



Dimension Details Phase Segregated DB-MCCB Incomer

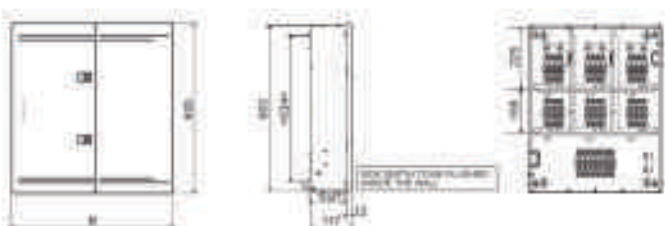
IP 30 metal door



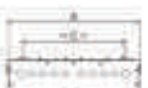
CAT No.	No. of Ways	A	B	C	Top/Bottom Knock out	
					Ø32	Ø25
DBPGL004SD	4	491	513	384	2	8
DBPGL006SD	6	596	618	489	2	10
DBPGL008SD	8	701	723	594	2	12
DBPGL012SD	12	911	933	804	2	18



IP 43 metal door



CAT No.	No. of Ways	A	B	C	Top/Bottom Knock out	
					Ø32	Ø25
DBPSG004DD	4	491	540	384	2	8
DBPSG006DD	6	596	646	489	2	10
DBPSG008DD	8	701	751	594	2	12
DBPSG012DD	12	911	961	804	2	18



IP 43 metal door



CAT No.	No. of Ways	A	B	C	Top/Bottom Knock out	
					Ø32	Ø25
DBPGL004DD	4	491	541	384	2	8
DBPGL006DD	6	596	646	489	2	10
DBPGL008DD	8	701	751	594	2	12
DBPGL012DD	12	911	961	804	2	18



IP 54 metal door



CAT No.	No. of Ways	A	B	C
DBPSG004S4	4	491	540	601
DBPSG006S4	6	596	646	706
DBPSG008S4	8	701	751	811
DBPSG012S4	12	911	961	1021



IP 54 metal door



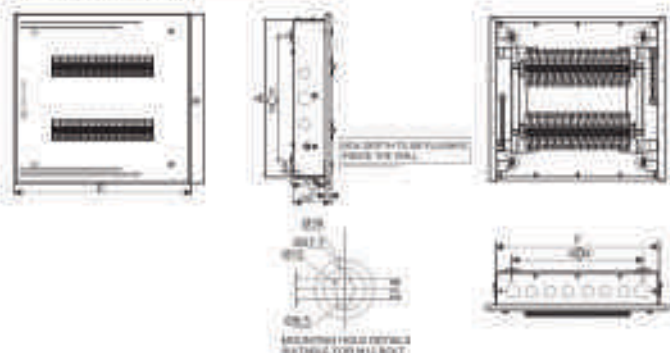
CAT No.	No. of Ways	A	B	C
DBPGL004S4	4	491	541	601
DBPGL006S4	6	596	646	706
DBPGL008S4	8	701	751	811
DBPGL012S4	12	911	961	1021



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm
TOLERANCE ON DIMENSIONS +42 mm

Dimension Details Flexi / Row DB

IP 30 metal door



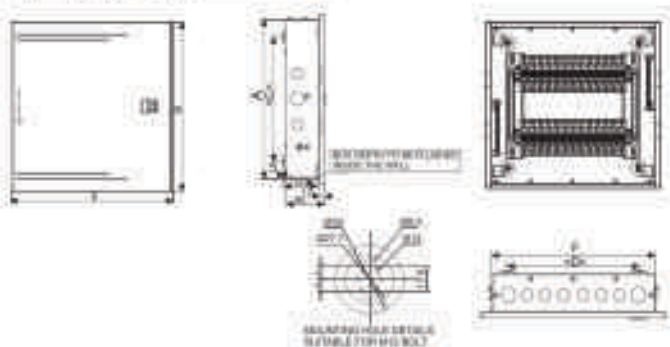
CAT No.	No. of Rows	No. of Metal Rows	A	B	C	D	E	F	Top/Bottom Knock out			
									Ø32	Ø25	Ø32	Ø25
DBR0W30SD	2	14	375	435	295	310	440	385	2	6	1	2
DBR0W32SD	3	14	552	585	475	310	440	385	2	6	1	4
DBR0W35SD	4	14	632	710	605	310	440	385	2	6	1	4
DBR0W40SD	4	16	685	710	605	385	480	425	2	6	1	4

IP 43 glazed door



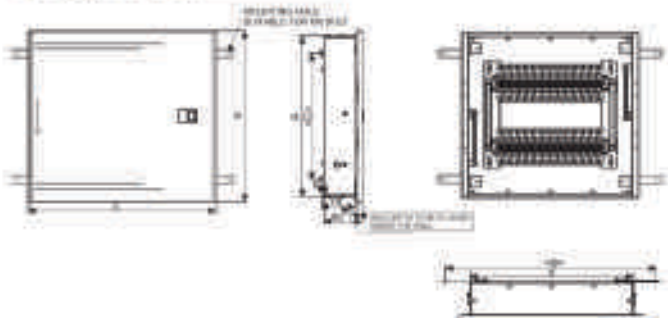
CAT No.	No. of Rows	No. of Metal Rows	A	B	C	D	E	F	Top/Bottom Knock out			
									Ø32	Ø25	Ø32	Ø25
DBR0W32GD	2	14	575	435	295	310	440	385	2	6	1	2
DBR0W34GD	3	14	585	585	475	310	440	385	2	6	1	4
DBR0W38GD	4	14	685	710	605	310	440	385	2	6	1	4
DBR0W40GD	4	16	685	710	605	385	480	425	2	6	1	4

IP 43 metal door



CAT No.	No. of Rows	No. of Metal Rows	A	B	C	D	E	F	Top/Bottom Knock out			
									Ø32	Ø25	Ø32	Ø25
DBR0W30MD	2	14	375	435	295	310	440	385	2	6	1	2
DBR0W32MD	3	14	552	585	475	310	440	385	2	6	1	4
DBR0W35MD	4	14	632	710	605	310	440	385	2	6	1	4
DBR0W40MD	4	16	685	710	605	385	480	425	2	6	1	4

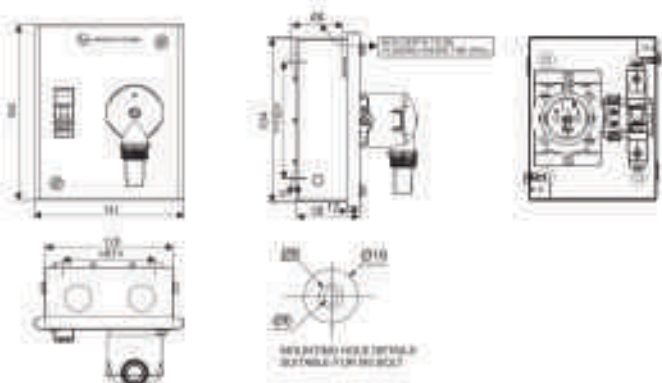
IP 54 metal door



CAT No.	No. of Rows	No. of Metal Rows	A	B	C	D	E	F	Top/Bottom Knock out			
									Ø32	Ø25	Ø32	Ø25
DBR0W30MD	2	14	375	435	295	310	440	385	2	6	1	2
DBR0W32MD	3	14	552	585	475	310	440	385	2	6	1	4
DBR0W35MD	4	14	632	710	605	310	440	385	2	6	1	4
DBR0W40MD	4	16	685	710	605	385	480	425	2	6	1	4

Dimension Details Metal Plug & Socket DB

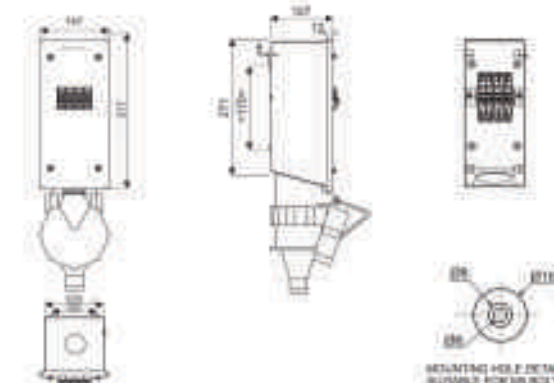
Metal Plug & Socket DB



CAT No.	Description	Top/Bottom Knock out
DBRPS110SE	10A, 2P+N+SC - 1MCO	2
DBRPS120SD	20A, 2P+N+SC - 1MCO	2
DBRPS220SD	20A, 2P+N+SC - 2MCO	2

SC - Strapping Earth

Metal Plug & Socket DB



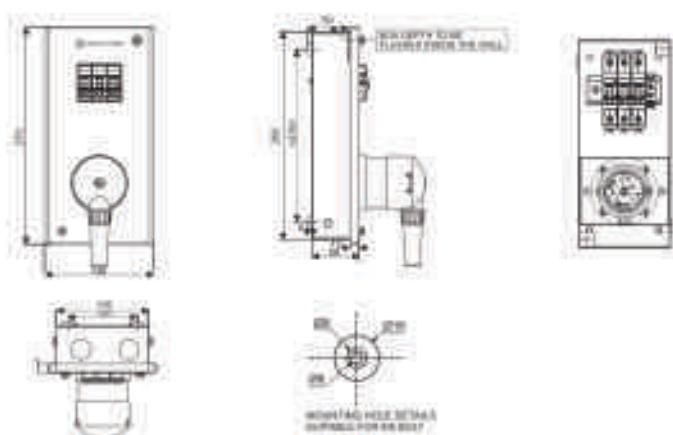
CAT No.	Description	Top/Bottom Knock out
DBRPS41SD	10A, 2P+N+SC - 1MCO	1

SC - Strapping Earth

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm
TOLERANCE ON DIMENSIONS = ±2 mm

Dimension Details Metal Plug & Socket DB

Metal Plug & Socket DB

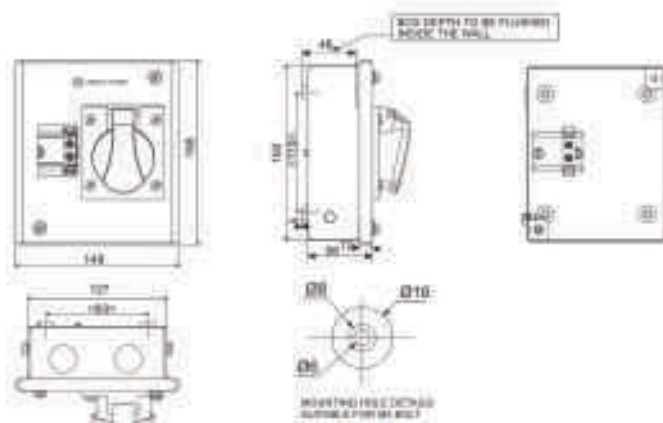


CAT No.	Description	Top/Bottom Knock out
DBMPS0200	20A, 3P+N+PE-2MOD	2
DBMPS0300	30A, 3P+N+PE-3MOD	2
DBMPS0400	40A, 3P+N+PE-4MOD	2

PE - Protective Earth

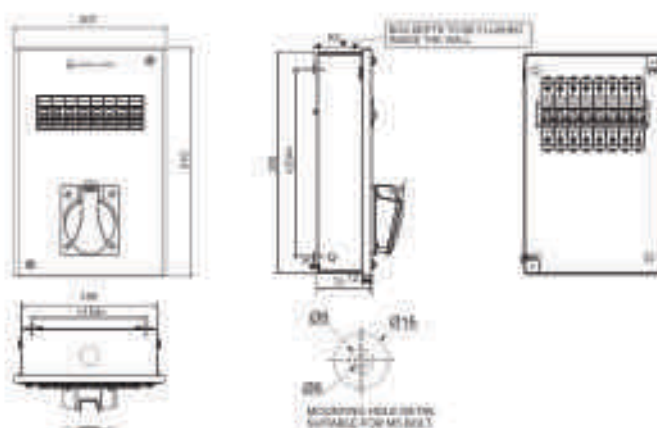
Dimension Details Plastic Plug & Socket DB

Plastic Plug & Socket DB



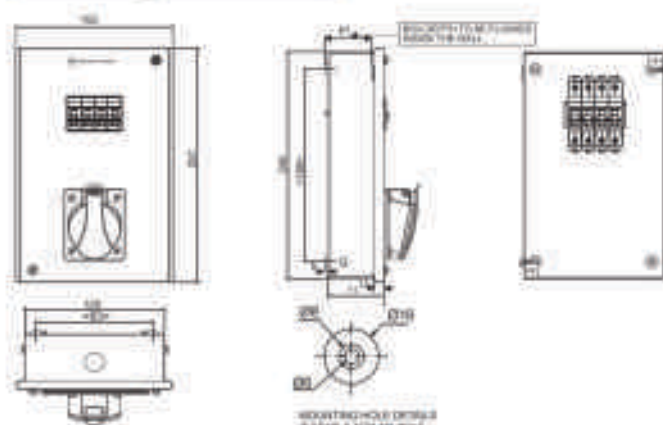
CAT No.	Description	Top/Bottom Knock out
DBPPS0100	10A, 3P+N-2MOD	2

Plastic Plug & Socket DB



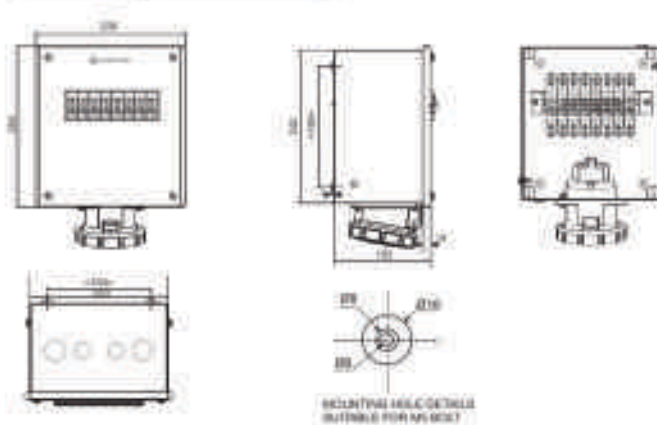
CAT No.	Description	Top/Bottom Knock out
DBPPS0200	20A, 3P+N-2MOD	2

Plastic Plug & Socket DB



CAT No.	Description	Top/Bottom Knock out
DBPPS0300	30A, 3P+N-3MOD	2

Plastic Plug & Socket DB

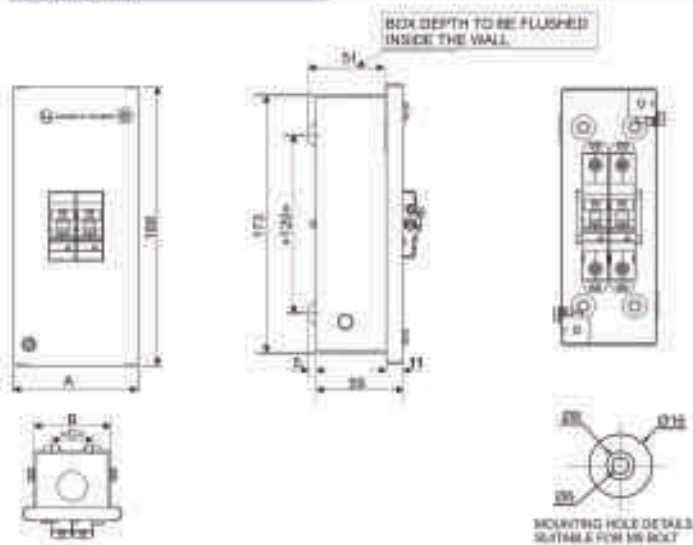


CAT No.	Description	Top/Bottom Knock out
DBPPS0400	40A, 3P+N-4MOD	2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm
TOLERANCE ON DIMENSIONS = ±0.2 mm

Dimension Details Enclosures

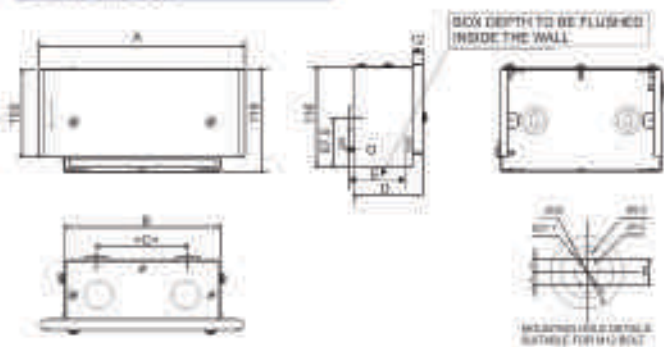
Enclosures



CAT No.	No. of Ways	A	B	C	Top/Bottom Knock out
DBENC000SD	2	85	85	35	1
DBENC003SD	3	95	75	45	1
DBENC004SD	4	100	85	55	1
DBENC006SD	6	145	125	85	2

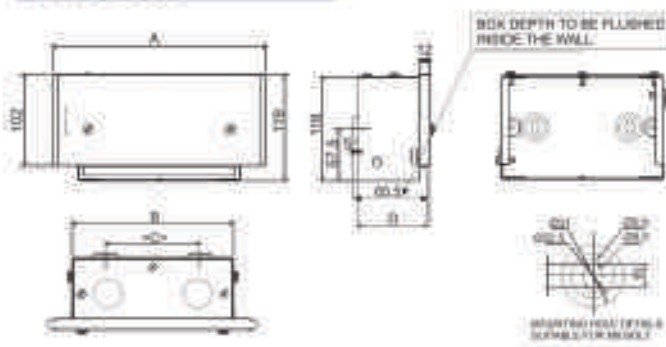
Dimension Details Cable end box

Cable end box



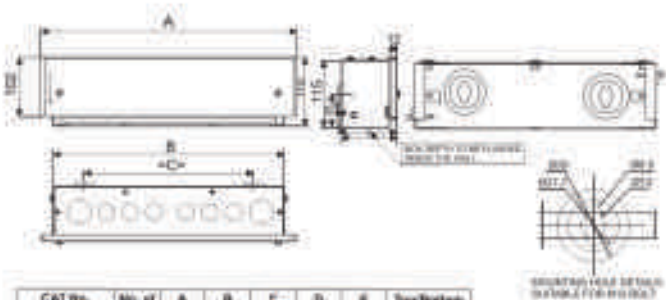
CAT No.	No. of Ways	A	B	C	D	E	Top/Bottom Knock out
DBTPN004CB	4	371	317	205	87	72	3 4
DBTPN006CB	6	411	357	242	87	72	3 4
DBTPN008CB	8	411	357	260	87	72	3 4
DBTPN010CB	10	451	357	332	87	72	3 8
DBTPN012CB	12	451	357	350	87	72	3 8
DBTPN014CB	14	491	357	367	87	72	3 8
DBTPN016CB	16	531	357	385	87	72	3 14
DBTPN018CB	18	571	357	402	87	72	3 14
DBTPN020CB	20	611	357	420	87	72	3 14
DBTPN022CB	22	651	357	437	87	72	3 14
DBTPN024CB	24	691	357	455	87	72	3 14
DBTPN026CB	26	731	357	472	87	72	3 14
DBTPN028CB	28	771	357	490	87	72	3 14
DBTPN030CB	30	811	357	507	87	72	3 14
DBTPN032CB	32	851	357	525	87	72	3 14
DBTPN034CB	34	891	357	542	87	72	3 14
DBTPN036CB	36	931	357	560	87	72	3 14
DBTPN038CB	38	971	357	577	87	72	3 14
DBTPN040CB	40	1011	357	595	87	72	3 14
DBTPN042CB	42	1051	357	612	87	72	3 14
DBTPN044CB	44	1091	357	630	87	72	3 14
DBTPN046CB	46	1131	357	647	87	72	3 14
DBTPN048CB	48	1171	357	665	87	72	3 14
DBTPN050CB	50	1211	357	682	87	72	3 14
DBTPN052CB	52	1251	357	700	87	72	3 14
DBTPN054CB	54	1291	357	717	87	72	3 14
DBTPN056CB	56	1331	357	735	87	72	3 14
DBTPN058CB	58	1371	357	752	87	72	3 14
DBTPN060CB	60	1411	357	770	87	72	3 14
DBTPN062CB	62	1451	357	787	87	72	3 14
DBTPN064CB	64	1491	357	805	87	72	3 14
DBTPN066CB	66	1531	357	822	87	72	3 14
DBTPN068CB	68	1571	357	840	87	72	3 14
DBTPN070CB	70	1611	357	857	87	72	3 14
DBTPN072CB	72	1651	357	875	87	72	3 14
DBTPN074CB	74	1691	357	892	87	72	3 14
DBTPN076CB	76	1731	357	910	87	72	3 14
DBTPN078CB	78	1771	357	927	87	72	3 14
DBTPN080CB	80	1811	357	945	87	72	3 14
DBTPN082CB	82	1851	357	962	87	72	3 14
DBTPN084CB	84	1891	357	980	87	72	3 14
DBTPN086CB	86	1931	357	997	87	72	3 14
DBTPN088CB	88	1971	357	1015	87	72	3 14
DBTPN090CB	90	2011	357	1032	87	72	3 14
DBTPN092CB	92	2051	357	1050	87	72	3 14
DBTPN094CB	94	2091	357	1067	87	72	3 14
DBTPN096CB	96	2131	357	1085	87	72	3 14
DBTPN098CB	98	2171	357	1102	87	72	3 14
DBTPN100CB	100	2211	357	1120	87	72	3 14

Cable end box



CAT No.	No. of Ways	A	B	C	D	E	Top/Bottom Knock out
DBTPN004CB	4	236	182	105	87	72	3 4
DBTPN006CB	6	271	215	140	87	72	3 4
DBTPN008CB	8	306	250	175	87	72	3 4
DBTPN010CB	10	341	285	210	87	72	3 4
DBTPN012CB	12	376	320	245	87	72	3 4
DBTPN014CB	14	411	355	280	87	72	3 4
DBTPN016CB	16	446	390	315	87	72	3 4
DBTPN018CB	18	481	425	350	87	72	3 4

Cable end box



CAT No.	No. of Ways	A	B	C	D	E	Top/Bottom Knock out
DBTPN004CB	4	241	430	200	87	72	3 4
DBTPN006CB	6	281	470	240	87	72	3 4

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm
TOLERANCE ON DIMENSIONS = ±0.2mm

Notes:

Notes:

General Terms

All prices are on maximum retail price basis inclusive of Excise Duty and VAT / Sales Tax as applicable.

Prices are subject to revision without notice.

Warranty Policy

All the products listed in the price list carry a warranty, against manufacturing defects for a period of 18* months from the date of purchase.

Should the product prove to be defective due to faulty workmanship or otherwise, we will remedy the defect or replace the faulty parts or the whole product at our discretion, as soon as possible, free of cost.

The warranty is however subject to the provision of proper usage, efficient maintenance and does not cover defects arising out of fire, accident, inefficient maintenance, faulty operation and willful or accidental damage. It also does not cover damage to power electronic components like thyristors & IGBTs, which fail predominantly due to over-temperature & over-voltage. The user needs to take adequate precautions to eliminate these conditions. The manufacturer shall not be liable for any consequential loss, injury or damages attributable to defect or failure of its products.

Comprehensive Service Support

L&T has over five decades of experience in providing after sales service for low voltage distribution systems in every type of industry & commercial complex in India.

L&T offers the following services, partnering you in your maintenance of low voltage distribution products :

- Regular Maintenance
- Preventive Maintenance Programme
- On Call
- Annual Maintenance Contract
- Product Support for Managing Obsolescence - Retrofitting & Upgradation of your switchgear products

* Proof of purchase to be retained to avail warranty

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e-mail: cic@LNTEBG.com

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