



MCCB Panel Board



LOADSTAR Panel Board MCCB

Standard Electricals Limited now offers customized solutions for trouble free distribution of electric power. Standard panel board is a power distribution board with MCCBs as incoming and outgoing switching-cum-protective devices, for distribution of power to various loads as per the requirements of the system.

The modular construction of panel board renders the customary panel building redundant by virtue of compactness, reduced cost and short delivery time coupled with reliability of the various modular units. All units are fabricated using sheet steel of 1.6mm and are epoxy powder coated to give a superior finish.

Range :

STANDARD make MCCBs under the various current & frame sizes and can be fitted at site, providing the clients exceptionally user friendly options.

Two basic versions :

- * Incomer upto 400A, outgoings 25A to 125A (SKB-5/6/7)
- * Incomer upto 800A, outgoings 25A to 250A (SKB-1/2)

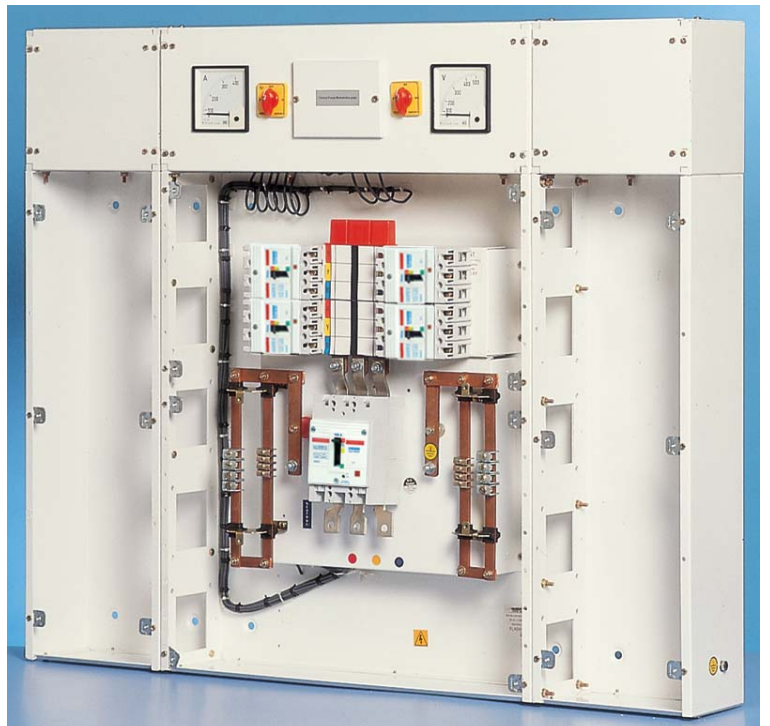
Specification :

Fully application oriented as per

- IS:13947-I&II and IEC:60947-I&II
- IS:8623 and IEC60439
- IS:2147 and IEC:60529.

Features :

- Ready made & customised solutions for load management.
- Factory built, rust and corrosion free.
- Modular construction & compact size provides economy of space, time & cost.
- Designed for floor mounting / wall mounting.
- Specially designed shrouded busbar provides safety.
- Option of a TP or FP Incomer and outgoing of TP or SP MCCBs.
- No. of ways option permits future system expansion.
- Easy add on modules to house various devices offers simplicity & flexibility.
- Elegant & sleek in appearance.



CONSTRUCTION



Standard Panel Boards have a unique modular construction with incoming & outgoing MCCBs housed in an enclosure forming the basic module. Cable way modules are to be added on either side to facilitate the outgoing terminations. Metering module and MCB module may be added to the basic module to have a complete distribution system to suit the specific requirement.

BASIC MODULE

The basic module comprises of two sections, namely :

Incoming Module

The incoming module accommodates single MCCBs upto 400A in SKB 5/6/7 frame panel boards and upto 800A in SKB 1/2 Frame panel boards. They are all supplied with their own dedicated set of preformed copper interconnections.

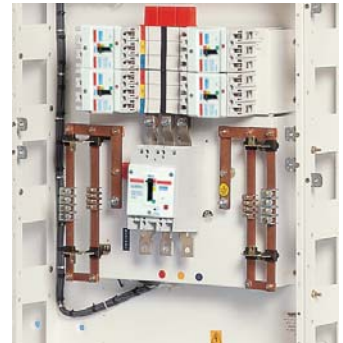
Outgoing Module

They are available with 2, 4, 6, 8, 12 or 16 way outgoing circuits suitable for mounting single pole or three pole 'SKB 5/6/7' Frame MCCBs upto 125A in 'SKB 5/6/7' frame panel boards and for mounting single pole and three pole 'SKB 1/2' frame MCCBs upto 250A in 'SKB 1/2' frame panel boards. The bus bars are fully rated and are completely shielded by transparent polycarbonate shrouds with the extension tags and metal shielding removed from one end. Adequate space is provided for terminating the cable onto the MCCBs.



Cable Way Module

Cableways have to be added on either side of the basic module for termination of incoming & outgoing MCCBs. The cable way selection is simply determined by adding together the modular height of the final layout & choosing cableways to match. The vertical insulated partition kit allows shielding between the shared face of a cableway and the basic module.



Metering Module

This module can be assembled on top of the basic module. Two types of metering module are available, namely, analog and digital. The analog type metering module provides for mounting analog type ammeter and voltmeter, whereas, the digital type metering module provides for mounting digital type ammeter and voltmeter. Besides ammeter and voltmeter, the metering module has provision for providing with selector switches, indicating lights and back up fuses.



MCB Module

A module for housing MCCBs can be integrated with the loadbanks for individual final outgoing circuit protection. Two different versions are available for mounting 22 SPMCCBs or 24 SPMCCBs on DIN channel.



Add on Module

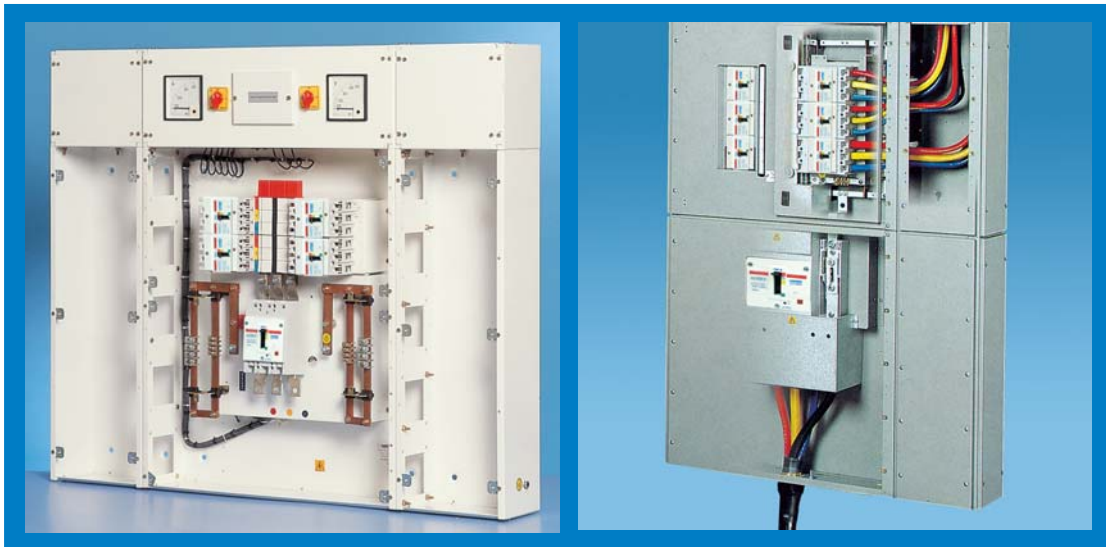
The add on module is designed for giving extra space for incoming termination. This module can be assembled at the bottom of the basic module.



TECHNICAL INFORMATION

Panel Boards	SKB 5,6&7 Panel Board		SKB 1&2 Panel Board	
Standard Conformity	IEC:60439 / IS:8623		IEC:60439 / IS:8623	
Incoming				
MCCB Rating	SKB1/2Frame upto 250A	SKB 3/4 Frame upto 400A	SKB 3/4Frame upto 400A	SKB 3/4Frame upto 800A
No. of Poles	3 Pole / 4 Pole	3 Pole / 4 Pole	3 Pole	3 Pole
Breaking Capacity (KA)	25, 35	35, 50	35, 50	35, 50
Outgoing				
No. of ways	2, 4, 6, 8, 12, 16	2, 4, 6, 8, 12, 16	4, 6, 8, 12	4, 6, 8, 12
MCCB Rating	SKB 5/6/7Frame upto 125A	SKB 5/6/7 Frame upto 125A	SKB 1/2 Frame upto 250A	SKB 1/2 Frame upto 250A
Breaking Capacity (KA)	10, 16, 25	10,16,25	25, 35	25, 35
Bus Bar Rating	250A	400A	400A	800A
Short time withstand current	25KA for 1 sec	35KA for 1 sec	50KA for 1 sec	50 KA for 1 sec
Degree of protection	IP 31 / IP 41	IP 31 / IP 41		
Dimensions W	630 mm	630 mm	750 mm	750 mm
without Cablealley D	165 mm	165 mm	200 mm	200 mm

* For dimensions of height of basic module & corresponding cable alleys, please refer pages further up.



BASIC MODULE - OUTGOING SKB 5/6/7

Current Rating (A) Incomer	Outgoing (No. of ways)	Cat. No.
	2	LSPBG025002
250A	4	LSPBG025004
SKB 1/2	6	LSPBG025006
MCCB	8	LSPBG025008
	12	LSPBG025012
	16	LSPBG025016

BASIC MODULE - OUTGOING SKB 5/6/7

Current Rating (A) Incomer	Outgoing (No. of ways)	Cat. No.
	2	LSPBG040002
400A	4	LSPBG040004
SKB 3/4	6	LSPBG040006
MCCB	8	LSPBG040008
	12	LSPBG040012
	16	LSPBG040016



BASIC MODULE - OUTGOING SKB 5/6/7 - CABLE ALLEY

Description	SKB 1/2 Frame Incomer	SKB 3/4 Frame Incomer
	Cat. No.	Cat. No.
2 x 2 Way	LSPBZCBLA02	LSPBZCBLC02
2 x 4 Way	LSPBZCBLA04	LSPBZCBLC04
2 x 6 Way	LSPBZCBLA06	LSPBZCBLC06
2 x 8 Way	LSPBZCBLA08	LSPBZCBLC08
2 x 12 Way	LSPBZCBLA12	LSPBZCBLC12
2 x 16 Way	LSPBZCBLA16	LSPBZCBLC16

BASIC MODULE - OUTGOING SKB 5/6/7 METER MODULE / MCB MODULE / ADD ON MODULE

Description	Cat. No.
* Meter Module - Suitable for mounting Analog Ameter, Voltmeter - Analog with selector switch	LSPBZMTRA00
* Meter Module - Suitable for mounting Digital Ammeter, Voltmeter - Digital with selector switch	LSPBZMTRD00
MCB Module	LSPBZMCBM22
Add on Module	LSPBZGENM00

* Cat. No. reference is only for Bare Module without devices & these devices have to be sourced separately.

BASIC MODULE - OUTGOING SKB 1/2

Current Rating (A) Incomer	Outgoing (No. of ways)	Cat. No.
400A SKB 3/4 MCCB	4	LSPBA040004
	6	LSPBA040006
	8	LSPBA040008
	12	LSPBA040012

BASIC MODULE - OUTGOING SKB 1/2

Current Rating (A) Incomer	Outgoing (No. of ways)	Cat. No.
800A SKB 3/4 MCCB	4	LSPBA080004
	6	LSPBA080006
	8	LSPBA080008
	12	LSPBA080012

BASIC MODULE - OUTGOING SKB 1/2 - CABLE ALLEY

 SKB 3/4 Frame Incomer
 400A / 800A

Description	Cat. No.
2 x 4 Way	LSPBACBLA04
2 x 6 Way	LSPBACBLA06
2 x 8 Way	LSPBACBLA08
2 x 12 Way	LSPBACBLA12

**BASIC MODULE - OUTGOING SKB 1/2 METER MODULE/
 MCB MODULE/ADD ON MODULE**

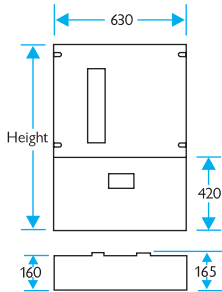
Description	Cat. No.
* Meter Module - Suitable for mounting Analog Ammeter, Voltmeter - Analog with selector switch	LSPBZMTRA00
* Meter Module - Suitable for mounting Digital Ammeter, Voltmeter - Digital with selector switch	LSPBZMTRD00
MCB Module	LSPBZMCBM22
Add on Module	LSPBZGENM00

- Cat. No. reference is only for Bare Module without devices & these devices have to be sourced separately.



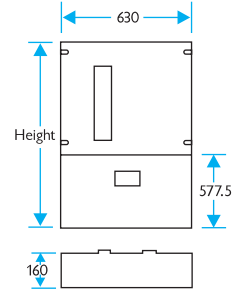
DIMENSIONS (IN MM) BASIC MODULE

SKB 5/6/7 Frame Panel Boards - Incomer 250A
(SKB 1/2 frame incomer; SKB 5/6/7 frame outgoing)



Modules	Height
2 way	634.0
4 way	739
6 way	896.5
8 way	896.5
12 way	1054
16 way	1211.5

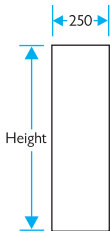
SKB 5/6/7 Frame Panel Boards - Incomer 400A
(SKB 3/4 frame incomer; SKB 5/6/7 frame outgoing)



Modules	Height
2 way	739
4 way	896.5
6 way	1054
8 way	1054
12 way	1211.5
16 way	1526.5

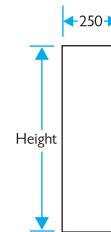
DIMENSIONS (IN MM) CABLE ALLEY

SKB 5/6/7 Frame Panel Boards - Incomer 250A
(SKB 1/2 frame incomer; SKB 5/6/7 frame outgoing)



Modules	Height
1 way	214
2 way	634.0
4 way	739
6 way	896.5
8 way	896.5
12 way	1054
16 way	1211.5

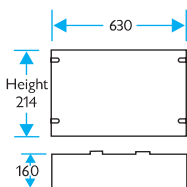
SKB 5/6/7 Frame Panel Boards - Incomer 400A
(SKB 3/4 frame incomer; SKB 5/6/7 frame outgoing)



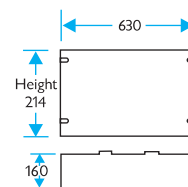
Modules	Height
1 way	214
2 way	739
4 way	896.5
6 way	1054
8 way	1054
12 way	1211.5
16 way	1526.5

DIMENSIONS (IN MM) METER MODULE / MCB MODULE / ADD-ON MODULE

SKB 5/6/7 Frame Panel Boards - Incomer 250A
(SKB 1/2 frame incomer; SKB 5/6/7 frame outgoing)

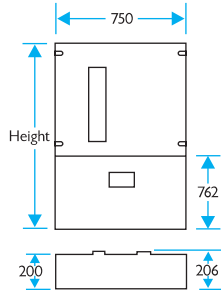


SKB 5/6/7 Frame Panel Boards - Incomer 400A
(SKB 3/4 frame incomer; SKB 5/6/7 frame outgoing)



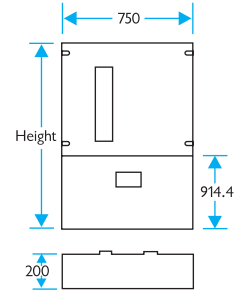
DIMENSIONS (IN MM) BASIC MODULE

SKB 1/2 Frame Panel Boards - Incomer 400A
(SKB 3/4 frame incomer; SKB 1/2 frame outgoing)



Modules	Height
4 way	1371.6
6 way	1371.6
8 way	1524.0
12 way	1676.4

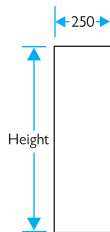
SKB 1/2 Frame Panel Boards - Incomer 800A
(SKB 3/4 frame incomer; SKB 1/2 frame outgoing)



Modules	Height
4 way	1524.0
6 way	1524.0
8 way	1676.4
12 way	1828.8

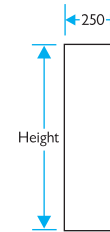
DIMENSIONS (IN MM) CABLE ALLEY

SKB 1/2 Frame Panel Boards - Incomer 400A
(SKB 3/4 frame incomer; SKB 1/2 frame outgoing)



Modules	Height
1 way	230
4 way	1371.6
6 way	1371.6
8 way	1524.0
12 way	1676.4

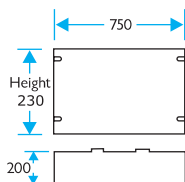
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(SKB 3/4 frame incomer; SKB 1/2 frame outgoing)



Modules	Height
1 way	230
4 way	1524
6 way	1524
8 way	1676.4
12 way	1828.8

DIMENSIONS (IN MM) METER MODULE / MCB MODULE / ADD-ON MODULE

SKB 1/2 Frame Panel Boards - Incomer 400A
(SKB 3/4 frame incomer; SKB 1/2 frame outgoing)



SKB 1/2 Frame Panel Boards - Incomer 800A
(SKB 3/4 frame incomer; SKB 1/2 frame outgoing)

