



# LOAD BREAK SWITCHES



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**LB Series Load Break Switches** comply with the latest specifications for modern low voltage devices.

Outstanding electrical characteristics of LB Switches with compact design, contribute to space saving installation and operational convenience.

Basic construction and design of the switch makes it compact, safe and highly reliable.

The switch uses polyamide glass filled material, having excellent track resistance (CTI) for Insulation to prevent flashover between phases in the most severe conditions.

The special contact design and configuration makes the switch highly reliable to withstand high short circuit currents.

## FEATURES

- Double break contacts.
- Polycarbonate shroud for wired terminal protection is included.
- Excellent switching and high short circuit capacity.
- Compact and reliable.
- Easy installation.
- Versatile mounting options, i.e. front mounting, rear mounting DIN 35 and enclosure mounting.
- Quick, simple and convenient, dia. 22.5 mm single hole mounting is offered for 16A/20A switches with padlocking option.
- Finger protection - IP 20
- Terminal screws with fixed clamp for easy wiring.
- Add-on main/neutral/auxiliary contacts can be mounted on both sides of the switch at site.
- 4th Pole addition is possible at site.

## APPLICATIONS

- Isolator
- Motor Start and Stop
- Manual Motor controller as Motor Disconnect
- Main Switch
- Emergency ON-OFF
- Control Switch
- Changeover Switch



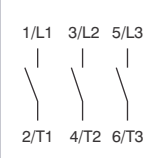
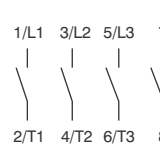
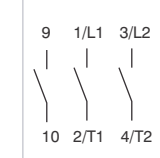
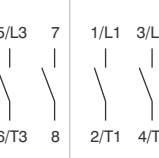
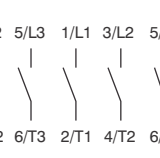
# Technical Data

UL STANDARD	UL508
EUROPEAN STANDARD	IEC60947-1 and3, EN60947-3



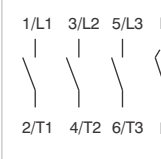
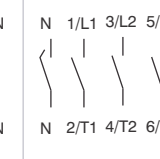
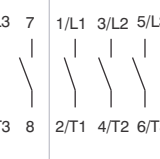
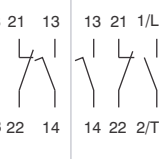
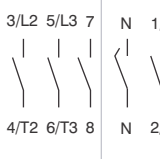
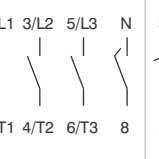
DATA	Measure	Switch code	LB116	LB120	LB225	LB232	LB240	LB263	LB4080	LB4100	LB4125
Rated operational voltage Ue											
IEC/EN	Volts	V	690	690	690	690	690	690	690	690	690
UL	Volts	V	600	600	600	600	600	600	600	600	600
Main switch:Isolating voltage upto	Volts	V	750	750	750	750	750	750	750	750	750
Rated impulse withstand voltage Uimp	Volts	kV	6	6	6	6	6	6	6	6	6
Rated uninterrupted current Iu	Amp	A	16	20	25	32	40	63	80	100	125
Rated operational current Ie											
IEC / EN											
AC22	Amp	A	16	20	25	32	40	63	80	100	125
AC-21A	Amp	A	20	25	32	40	63	80	80	100	125
AC-1	Amp	A	20	25	32	40	63	80	80	100	125
Rated operational power at 50 to 60Hz											
AC-23A IEC/EN											
3Phase, 3Pole	230(240)V	kW	7.5	7.5	11	15	22	30	37	45	55
	400(415)V	kW	11	11	15	18.5	30	37	45	55	75
	690V	kW	15	15	22	22	45	45	90	90	90
AC-3 IEC/EN											
3Phase, 3Pole	230(240)V	kW	4	5.5	7.5	11	15	22	30	37	45
	400(415)V	kW	5.5	7.5	11	11	18.5	22	37	45	55
	690V	kW	11	11	15	15	30	30	55	55	55
Short circuit capacity: (IEC/EN)											
Max .Fuse size (Type gG)	Amp	A	20	20	32	32	63	63	125	125	125
Rated fused short circuit current	Amp	kA	5	5	30	30	30	30	30	30	30
UL RATING (POWER)											
DOL RATING											
3PHASE 3POLE	120V	HP	1.5	1.5	3	3	5	7.5	5	7.5	7.5
	240V	HP	3	3	7.5	7.5	10	15	20	20	30
	480V	HP	7.5	7.5	15	20	20	25	30	30	40
	600V	HP	10	10	20	25	30	30	40	40	50
1PHASE	120V	HP	0.5	0.5	1.5	2	3	3	3	3	3
	240V	HP	1.5	1.5	2	3	5	7.5	7.5	7.5	7.5
Short Circuit Capacity: (UL)											
Fuse Rating, Class J	Amp	A	-	-	45	45	70	70	125	125	125
Fuse Rating, RK5	Amp	A	20	20	-	-	-	-	-	-	-
Rated fused Short circuit current	Amp	kA	10	10	10	10	10	10	10	10	10
Terminal Cross section											
Single/multiple strand wire	Min-mm <sup>2</sup>		1	1	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	Max-mm <sup>2</sup>		4	4	10	10	25	25	50	50	50
Fine-Strand Wire with sleeve	Min-mm <sup>2</sup>		0.5	0.5	0.75	0.75	2.5	2.5	4	4	4
	Max-mm <sup>2</sup>		4	4	6	6	10	10	50	50	50
American wire Gauge	AWG		12	12	10	10	6	6	1	1	1
Thread Dimension for Terminal Screw			M3.5	M3.5	M4	M4	M4	M4	M6	M6	M6
Recommended Tightening Torque for terminals	Nm		0.8	0.8	1.7	1.7	2	2	2.5	2.5	2.5

# Switching Programmes







LB116, LB120, LB225, LB232, LB240, LB263, LB4080, LB4100, LB4125, LB5160, LB6250,



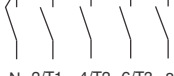


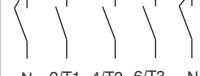

						
		3 Pole	3 Pole + 1 Main Module	4 Pole + 1 Main Module	6 Pole	8 Pole
		31300	31400	31500	31600	31800
		31309	31409	31509	31609	31809

LB116, LB120 Available upto 5 Pole only

							
		3 Pole+ 1 Neutral Module	4 Pole+ 1 Neutral Module	3 Pole+ 1 Auxillary Module	4 Pole+ 1 Auxillary Module	3 Pole+ 2 Neutral Modules	3 Pole+ 2 Auxillary Modules
		31310	31410	31320	31420	31330	31340
		31319	31419	31329	31429	31339	31349

LB4080, LB4100, LB4125

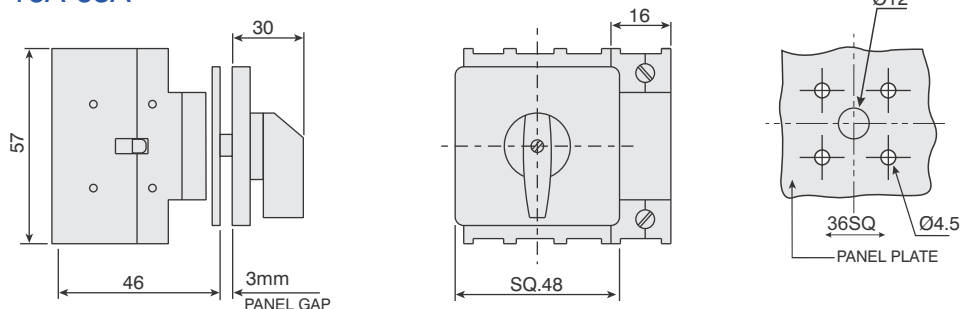
<div><div>ON</div><div>OFF</div><div></div></div>	<div><div>1/L1 3/L2 5/L3</div><div></div><div><div>2/T1 4/T2 6/T3</div></div></div>	<div><div>1/L1 3/L2 5/L3 7</div><div></div><div><div>2/T1 4/T2 6/T3 8</div></div></div>	<div><div>9 1/L1 3/L2 5/L3 7</div><div></div><div><div>10 2/T1 4/T2 6/T3 8</div></div></div>	<div><div>1/L1 3/L2 5/L3 1/L1 3/L2 5/L3</div><div></div><div><div>2/T1 4/T2 6/T3 2/T1 4/T2 6/T3</div></div></div>	<div><div>7 1/L1 3/L2 5/L3 3/L2 5/L3 3/L2 7</div><div></div><div><div>8 2/T1 4/T2 6/T3 4/T2 6/T6 4/T2 8</div></div></div>
	31309	31409	31509	31609	31809

<div><div>ON</div><div>OFF</div><div></div></div>	<div><div>1/L1 3/L2 5/L3 N</div><div></div><div><div>2/T1 4/T2 6/T3 N</div></div></div>	<div><div>N 1/L1 3/L2 5/L3 7</div><div></div><div><div>N 2/T1 4/T2 6/T3 8</div></div></div>	<div><div>1/L1 3/L2 5/L3 13 21</div><div></div><div><div>2/T1 4/T2 6/T3 14 22</div></div></div>	<div><div>24 32 1/L1 3/L2 5/L3 7</div><div></div><div><div>23 31 2/T1 4/T2 6/T3 8</div></div></div>	<div><div>N 1/L1 3/L2 5/L3 N</div><div></div><div><div>N 2/T1 4/T2 6/T3 N</div></div></div>	<div><div>24 32 1/L1 3/L2 5/L3 21 13</div><div></div><div><div>23 31 2/T1 4/T2 6/T3 22 14</div></div></div>
	31319	31419	31329	31429	31339	31349

**Note:** Apart from programme code starts with **31** (for Export Market), Programme Code **32** is also being used (for Local Market)

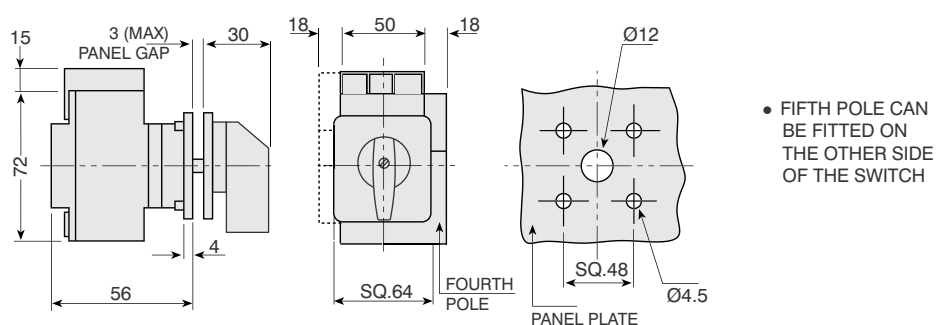
# Front Mounting

**B03**

**16A-63A**


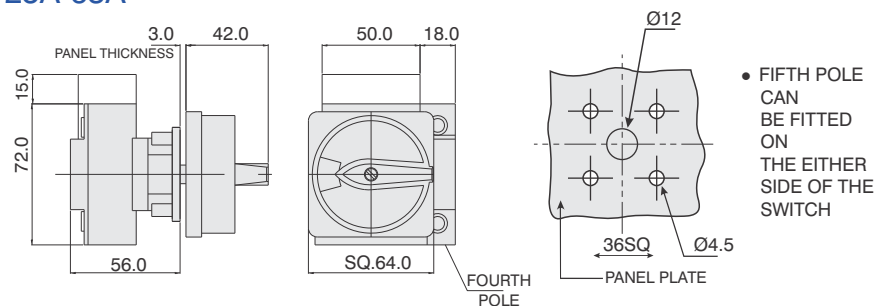
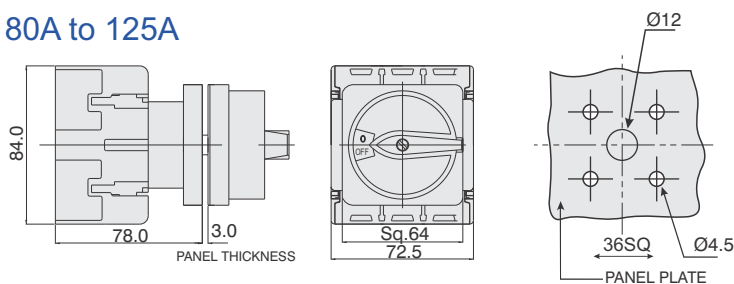
- 4 hole front panel mounting.
- Degree of protection : Front IP55.
- Fifth pole can be fitted on the other side of the switch

**B13**

**25A-63A**


- 4 hole front panel mounting.
- Degree of protection : Front IP55.

**B33**

**25A-63A**

**80A to 125A**


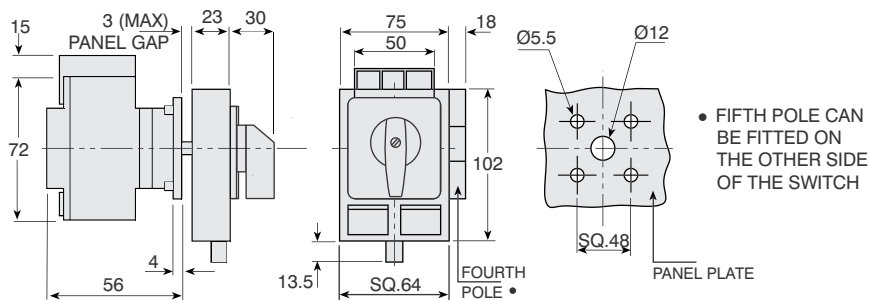
- 4 hole front panel mounting.
- Degree of protection : Front IP65.
- Switch with round padlocking device to prevent from being switched ON by unauthorised personnel.
- Max 3 padlocks.

# Front Mounting

B30



25A-63A

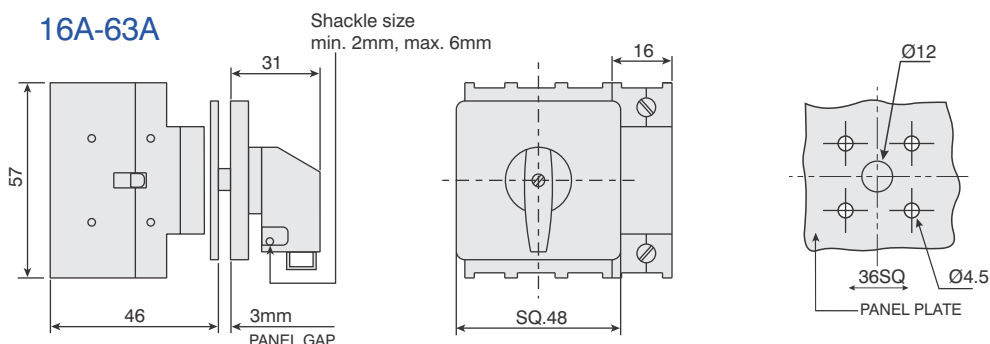


- 4 hole front panel mounting.
- Degree of protection : Front IP55.
- Switch with rectangular padlocking device to prevent the Switch from being switched ON by unauthorised personnel.
- Max 4 padlocks.

B40



16A-63A

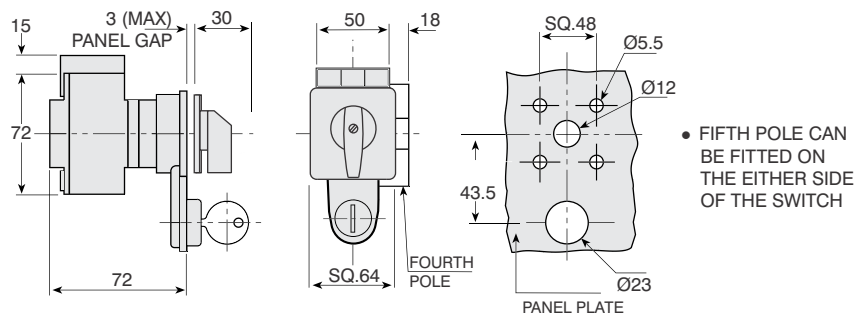


- 4 hole, front panel mounting.
- Degree of protection : Front IP55.
- Switch with padlockable flag knob.
- Max. 1 padlock.

B63



25A-63A

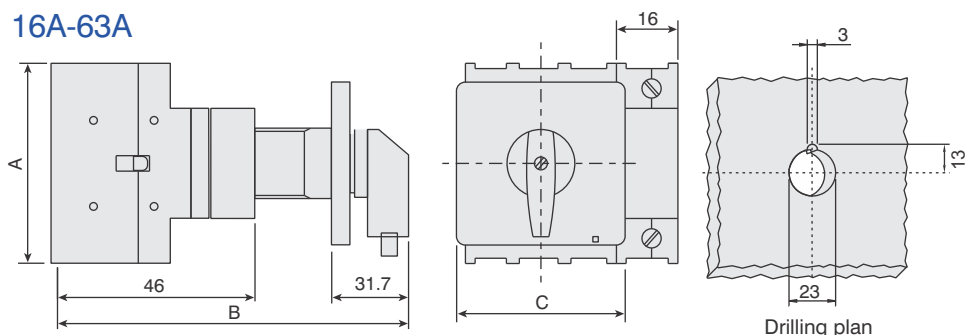


- 4 hole front panel mounting.
- Degree of protection : Front IP55.
- Knob operated, keylock, key removable in OFF position. (Other options on request)

B19



16A-63A



- Dia 22.5mm, single hole panel mounting.
- Degree of protection : Front IP55.
- Switch with padlockable flagknob.
- Maximum 1padlock

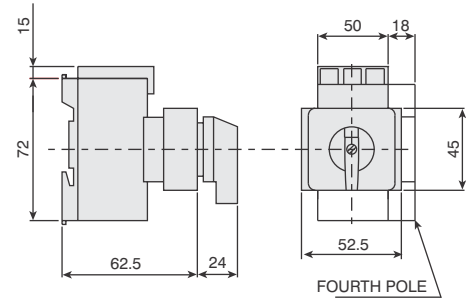
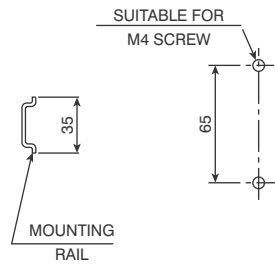
AMPS	A	B	C
16 - 20A	57	100	36
25 - 63A	72	110	50

# Rear Mounting

B23DB



25A-63A

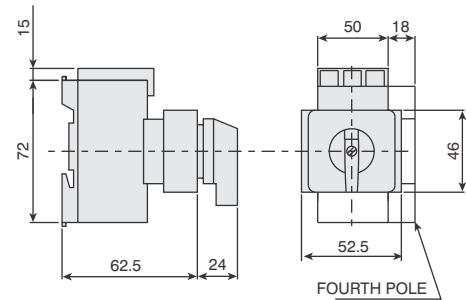
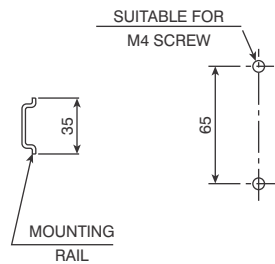


- 2 hole rear mounting.
- Alternately snap mounting on DIN EN50022 rail (35mm).
- Degree of protection : Front IP30.
- Suitable for DB Panel

B23

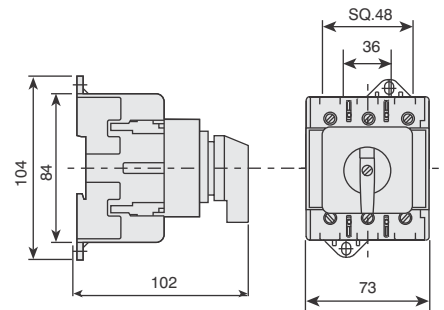
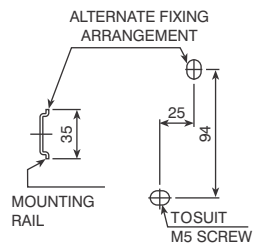


25A-63A



- 2 hole rear mounting.
- Alternately snap mounting on DIN EN50022 rail (35mm).
- Degree of protection : Front IP30.

80A-125A



# Rear Mounting

## MB34



2 hole rear mounting or snap mounting on DIN EN50022 rail (35mm) and operable from the front (door) coupled with door mechanism.  
Door interlock (door openable only in OFF position).

Degree of protection : Front IP65. | Rigid metal shaft/switch assembly.  
| Switch with round padlocking device to prevent the Switch from being made ON by unauthorised persons.

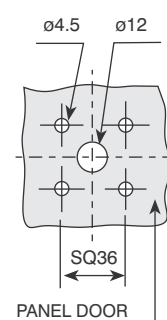
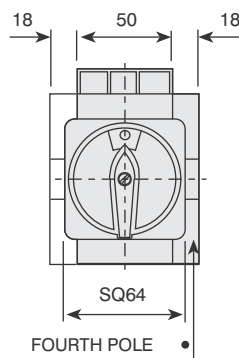
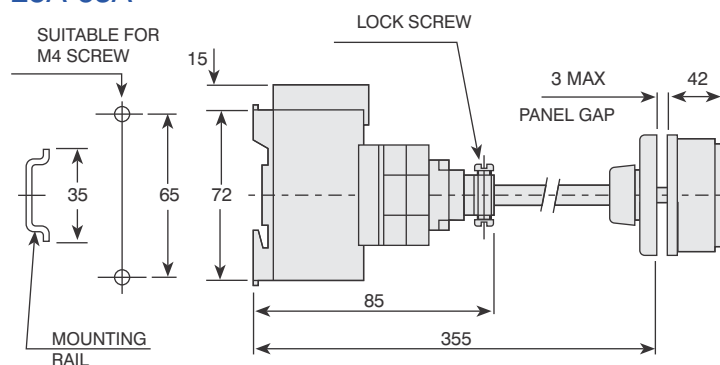
Max.3 padlocks as under.

16A-20A: Max. 1 padlock

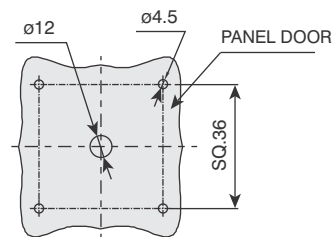
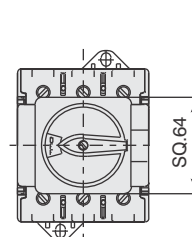
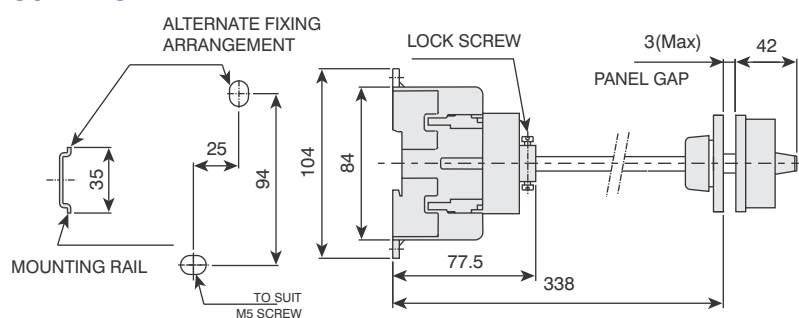
25A-63A: Max. 3 padlocks

80A-125A: Max. 3 padlocks

## 25A-63A



## 80A-125A



■ Adjustable mounting by cutting the metal shaft to suit panel height. ■ Specific Length of shaft can be offered on request.

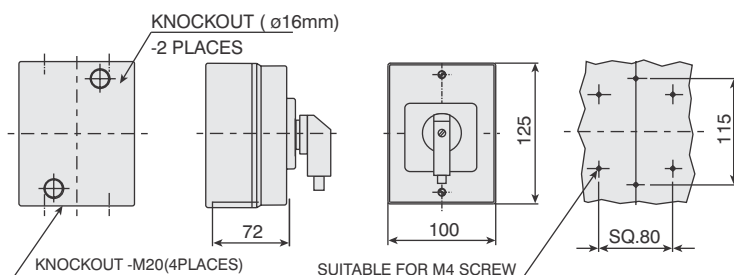


# Plastic Enclosures

## B31SM

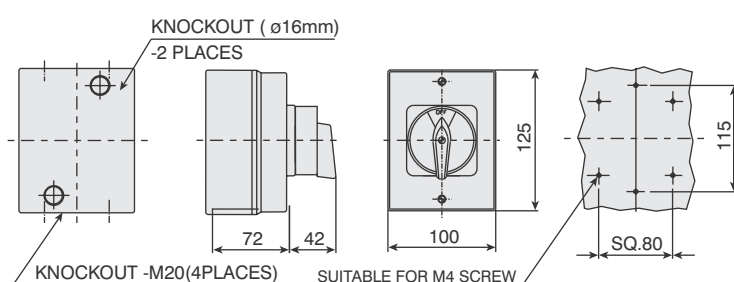


### 16A-20A



- Switch mounted in ABS / polycarbonate (optional) enclosure.
- Round padlocking device (Max.3 padlocks) to prevent the Switch from being made to ON by unauthorised personnel.
- Knob version available on request.
- Switch rear mounted for easy connection.
- Door interlock-cover cannot open in ON condition
- Tested for Nema Ratings 1,2,3,3R, 4,4x,12 & 13 asper UL50&Nema 250

### 25A-32A

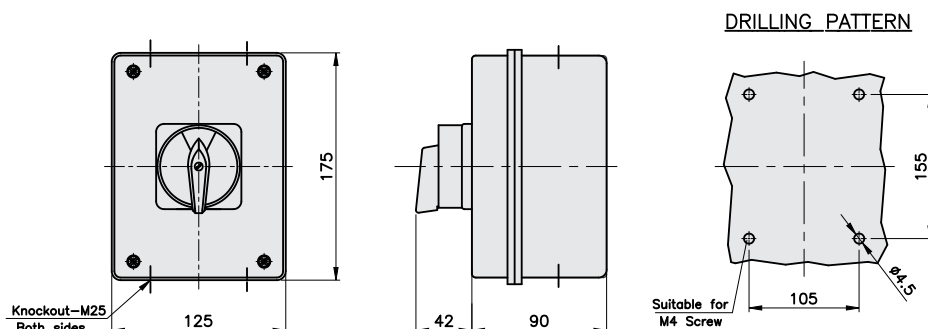


- Degree of protection : IP65.
- RED / YELLOW-handle colour for MAIN / EMERGENCY Switches.
- Enclosure colour : Dark grey base and light grey cover.
- Fourth pole can be added.
- 25A/32A - 6 Pole/8Pole can be offered in B31L

## B31M



### 25A to 63A

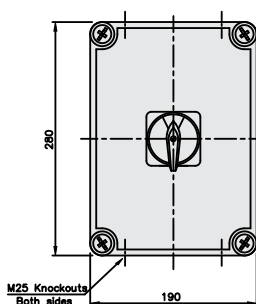
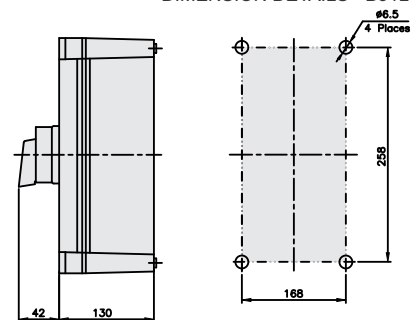


- Switch mounted in ABS enclosure, optional in polycarbonate.
- Tested for Nema Ratings 1,2,3,3R, 4, 4x,12 & 13 asper UL50&Nema 250

- Round padlocking device (Max.3 padlocks) to prevent the Switch from being made to ON by unauthorised personnel.
- Degree of protection : IP65.
- Switch rear mounted for easy connection.
- Door interlock-cover cannot open in ON condition
- RED / YELLOW-handle colour for MAIN / EMERGENCY Switches.
- Enclosure colour : Dark grey base and light grey cover.
- Fourth and Fifth pole can be added.
- 6 Pole/8Pole can be offered in B31L

# Plastic Enclosures

**B31L**

**80A-125A**

**DIMENSION DETAILS - B31L**


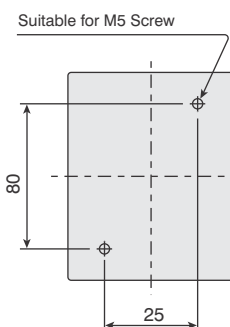
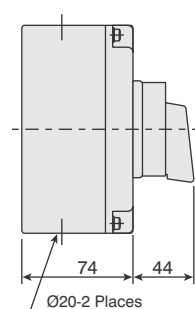
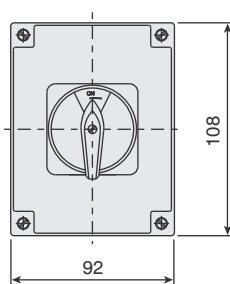
- Switch mounted in ABS / polycarbonate (optional) enclosure.
- Door interlock-cover cannot open in ON condition
- Tested for Nema Ratings 1,2,3,3R, 4,4x,12 & 13 as per UL50&Nema 250

- Degree of protection : IP65.
- Switch rear mounted for easy connection.
- Leech Handle (Max.1 padlock) to prevent the Switch from being made to ON by unauthorised personnel.

- RED / YELLOW-handle colour for MAIN / EMERGENCY Switches.
- Interlock provided to open the lid only in OFF position.
- Enclosure colour : Grey.
- Fourth and fifth pole can be added.

# Metal Enclosures

**AB31S**

**Upto 25A**


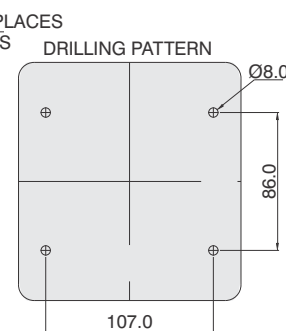
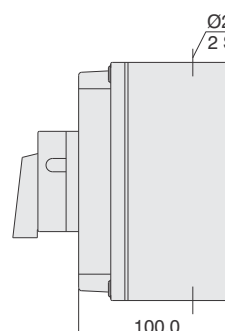
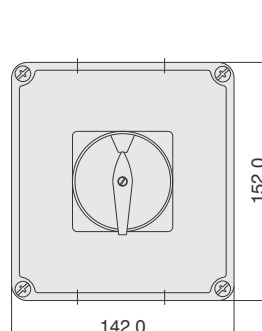
Caution : Open the cover only in 'OFF' position

- Switch mounted in aluminium enclosure.
- Degree of protection : IP53.

- Round padlocking device (max. 3 padlocks) to prevent the Switch from being made to ON by unauthorised personnel.

- RED / YELLOW-handle colour for MAIN / EMERGENCY Switches.
- Enclosure colour : Dark grey base and light grey cover.

**AB31M**

**32A to 40A**


- Switch mounted in aluminium enclosure.
- Degree of protection : IP65.
- RED / YELLOW-handle colour for MAIN / EMERGENCY Switches.

- Round padlocking device (max. 3 padlocks) to prevent the Switch from being made to ON by unauthorised personnel.

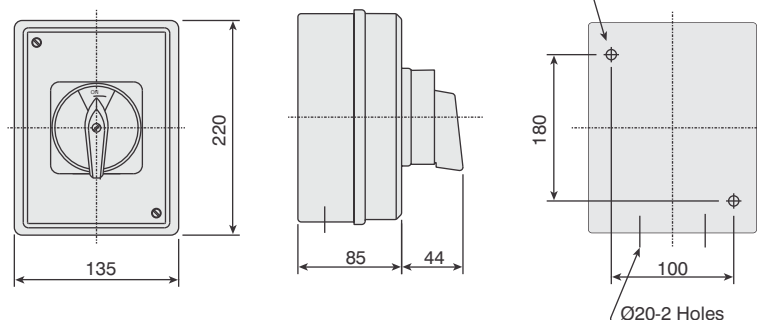
- Enclosure colour : Dark grey base and light grey cover.
- Fourth pole can be added.

# Metal Enclosures

## SB31M



### 32A - 63A



Caution : Open the cover only in 'OFF' position

- Switch mounted in Steel enclosure.
- Round padlocking device (max. 3 padlocks) to prevent the Switch from being made to ON by unauthorised personnel.

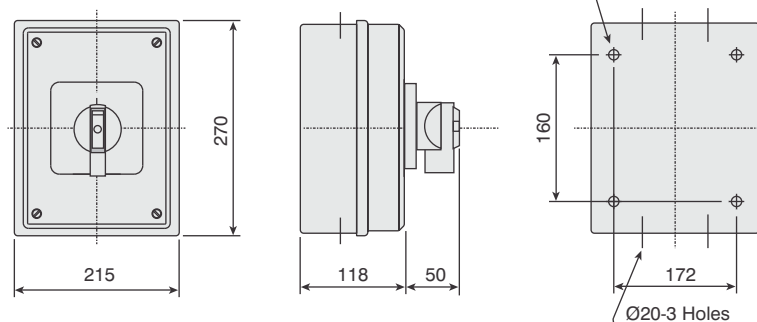
- Degree of protection : IP53.
- Knob version available on request.
- RED / YELLOW-handle colour for MAIN / EMERGENCY Switches.

- Enclosure colour : Dark grey base and light grey cover.
- Fourth pole can be added.
- 6 Pole/8Pole can be offered in SB31L

## SB31L



### 80A-125A



Caution : Open the cover only in 'OFF' position

- Switch mounted in Steel enclosure.
- Round padlocking device / Leech handle (max. 3 padlocks ) to prevent the Switch from being made to ON by unauthorised personnel.

- Degree of protection : IP54.
- Knob version available on request.
- RED / YELLOW-handle colour for MAIN / EMERGENCY Switches.

- Enclosure colour : Dark grey base and light grey cover.
- Fourth pole can be added.
- 6 Pole/8Pole can be offered in SB31XL

# Accessories

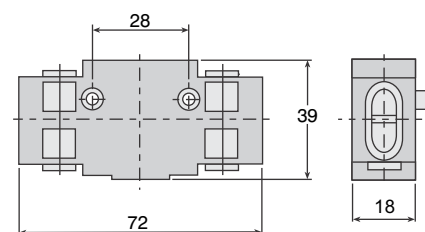
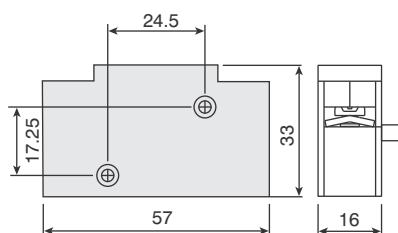
## ADD ON MAIN POLE (16A-63A)



- Equivalent switch electrical rating
- Used as 4th/5th pole on either side of the switch

	For Switch Code	Code for Front Mounting Switch	Code for Rear Mounting Switch
	LB 116	FMC 116	RMC 116
	LB 120	FMC 120	RMC 120

	For Switch Code	Code for Front Mounting Switch	Code for Rear Mounting Switch
	LB225	FMC225	RMC225
	LB232	FMC232	RMC232
	LB240	FMC240	RMC240
	LB263	FMC263	RMC263

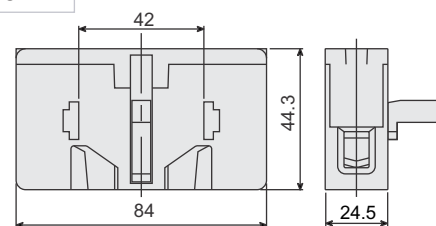
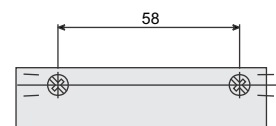


## ADD ON MAIN POLE (80A-125A)



	For Switch Code	Code for Front Mounting Switch	Code for Rear Mounting Switch
	LB4080	FMC80	RMC80
	LB4100	FMC100	RMC100
	LB4125	FMC125	RMC125

- Equivalent switch electrical rating.
- Used as 4th/5th pole on either side of the switch.



### Applications

For switching action of additional pole, when mounted with the switch. The additional pole on

either side of the switch can be used to switch on any single phase requirements simultaneously.

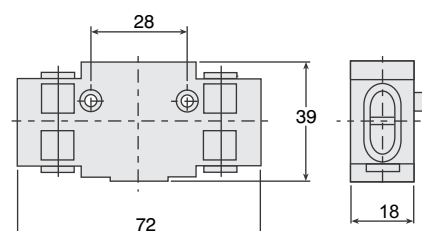
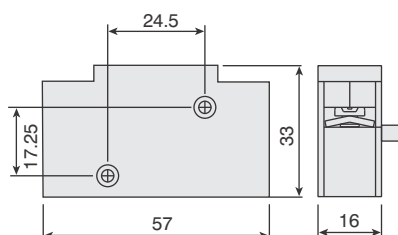
## ADD ON NEUTRAL POLE (16A-63A)



- Early make late break contact.
- Can be fitted on either side of the switch.

	For Switch Code	Code for Front Mounting Switch	Code for Rear Mounting Switch
	LB116	FNC116	RNC116
	LB120	FNC120	RNC120

	For Switch Code	Code for Front Mounting Switch	Code for Rear Mounting Switch
	LB225	FNC225	RNC225
	LB232	FNC232	RNC232
	LB240	FNC240	RNC240
	LB263	FNC263	RNC263



### Applications

To be used as Neutral Conductor to the switch.

# Accessories

## ADD ON NEUTRAL POLE (80A-125A)

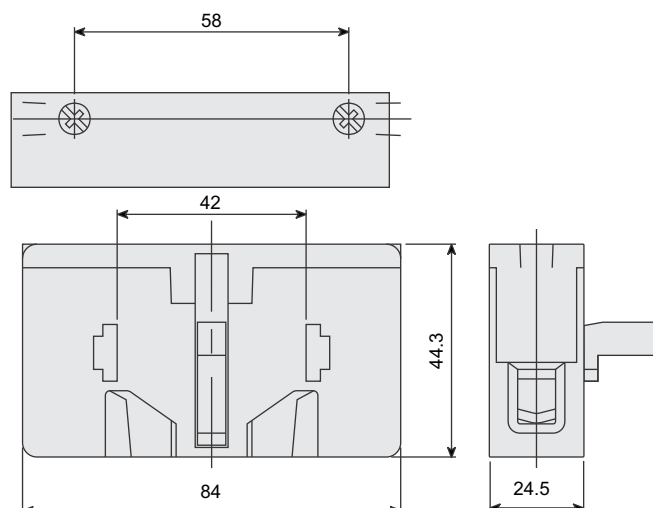


- Early make late break contact.
- Can be fitted on either side of the switch.

### Applications

To be used as Neutral Conductor to the switch.

	For Switch Code	Code for Rear Mounting Switch	Code for Front Mounting Switch
	LB4080	FNC80	RNC80
	LB4100	FNC100	RNC100
	LB4125	FNC125	RNC125



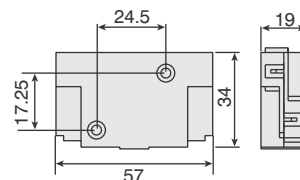
## ADD ON AUXILIARY POLE



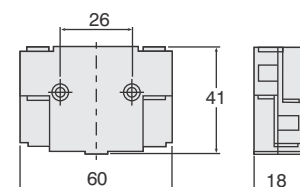
- 1 NO contact early break/late make + 1 NC contact.
- 2 NO contact early break/late make
- Can be fitted on either side of the Switch.

	For Switch Code	Code for Front Mounting Switch 1NO+1NC	Code for Rear Mounting Switch 1NO+1NC	Code for 2 NO Front Mounting Switch	Code for 2 NO Rear Mounting Switch
	LB116				
	LB120	FAC116	RAC116		
	LB225				
	LB232				
	LB240	FAC216	RAC216	LB263 FA2NO	LB263 RA2NO
	LB263				
	LB4080				
	LB4100	FAC416	RAC416	LB4125 FA2NO	LB4125 RA2NO
	LB4125				

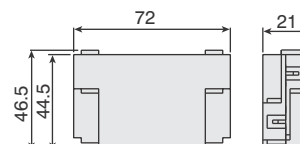
### LB116-LB120



### LB225-LB263



### LB4080-LB4125



### RATING

IEC / EN	16A, 500V	
AC-15	220-240V 380-440V	6A 4A

### TERMINAL CROSS SECTION

Single/Multiple strand wire	min. mm <sup>2</sup>	1.0
	max. mm <sup>2</sup>	1.5
American Wire Gauge	AWG	16

### Applications

Auxiliary contact module has two contacts, 'NO and NC'. 'NO' contact is early break, late make contact. This is used to trigger any auxiliary circuits.

# Accessories

## KNOBS & HANDLES

		CODE	TYPE			CODE	TYPE
		TD	Tear Drop Knob			RD	Round Knob, Padlockable
		FL	Flag Knob			RH	Roll Handle, Padlockable
		FP	Flag Knob Padlockable			SH	Short Handle, Padlockable
		PG	Pistol Grip Handle			LH	Leech Handle, Padlockable
		BG	Ball Grip Handle				

## LB SWITCHES: KNOB/HANDLE AND MOUNTING OPTIONS

MOUNTING	LB116	LB120	LB225	LB232	LB240	LB263	LB4080	LB4100	LB4125
B03	FL, TD	FL, TD	-	-	-	-	-	-	-
B19	FP, FL, TD	FP, FL, TD	-	-	-	-	-	-	-
B40	FP	FP	-	-	-	-	-	-	-
B13	-	-	FL, PG, BG	FL, PG, BG	FL, PG, BG	FL, PG, BG	-	-	-
B30	-	-	TD, FL	TD, FL	TD, FL	TD, FL	-	-	-
B33	-	-	RD	RD	RD	RD	RD	RD	RD
B63	-	-	TD, FL	TD, FL	TD, FL	TD, FL	FL	FL	FL
B23	-	-	TD, FL	TD, FL	TD, FL	TD, FL	FL	FL	FL
MB34	FP	FP	SH, RD LH, RH	SH, RD LH, RH	SH, RD LH, RH	SH, RD LH, RH	RD LH, RH	SH, RD LH, RH	RD LH, RH
MB42	FL	FL	BG, PG,	BG, PG,	BG, PG,	BG, PG,	BG, PG,	BG, PG,	BG, PG,
AB31S, SB31S	RD	RD	RD	RD	RD	RD	-	-	-
B31SM, B31M, AB31M, SB31M	FP	FP	RD	RD	RD	RD	-	-	-
B31L	-	-	-	-	-	-	RD, LH, BG, RH	RD, LH, BG, RH	RD, LH, BG, RH
SB31XL	-	-	-	-	-	-	BG, LH	BG, LH	BG, LH

## LB SWITCHES: KNOB/HANDLE, ENCLOSURE MOUNTING OPTIONS

ENCLOSURE MOUNTING	B31SM	B31M	B31L	SB31S	SB31M	SB31L	AB31S	AB31M
Knob/Handle	RD, FP	RD	RD, LH	RD, BG, PG	RD BG, PG	LH, BG PG, RD	RD, FL BG, PG	RD BG, PG

The knobs/handles highlighted in blue are standard, others indicates possible options.

# Changeover Switches

## SWITCHING PROGRAMMES

CODE : 31153 3 POLE CHANGEOVER

	R	Y	B	R	Y	B
I	X	X	X			
O						
II				X	X	X

CODE : 31154 4 POLE CHANGEOVER

	R	Y	B	N	R	Y	B	N
I	X	X	X	X				
O								
II					X	X	X	X

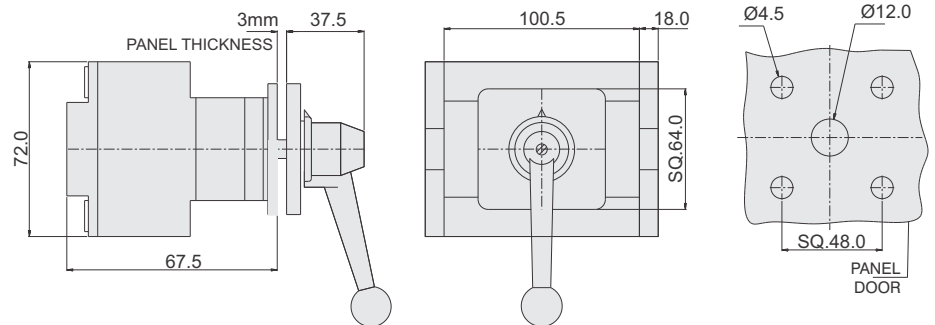
### Features

- 25A - 125A, 3 and 4 Pole, AC 23 duty.
- Available with and without SS enclosure.
- Different mounting options.
- Excellent switching performance.
- High short circuit capacity.
- Door interlock and padlock available.
- Provides adequate space for cable termination and very convenient for installation termination.

B13



### 25A-63A, Front Mounting



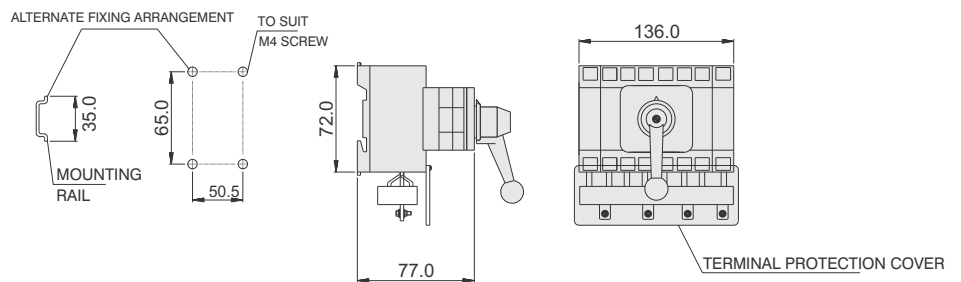
■ 4 hole front panel mounting.

■ Degree of protection : Front IP55.

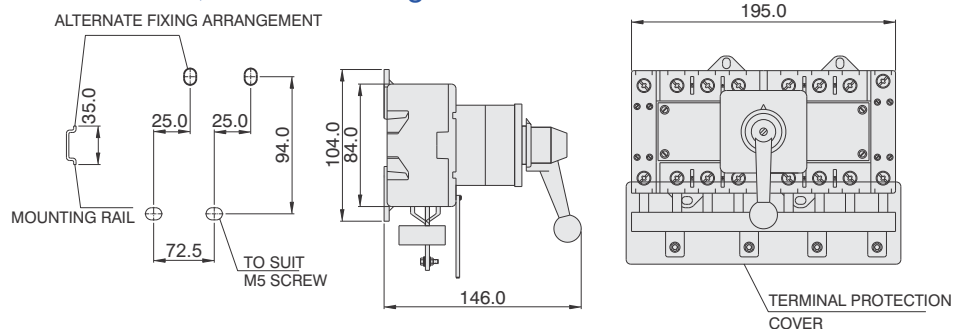
B21



### 25A-63A, Rear Mounting



### 80A-125A, Rear Mounting



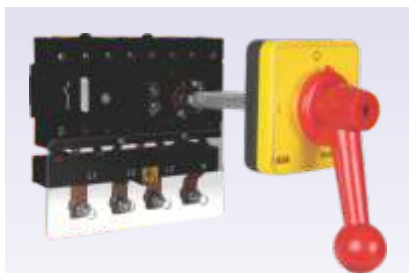
■ 4 hole rear mounting.

■ Degree of protection : Front IP55.



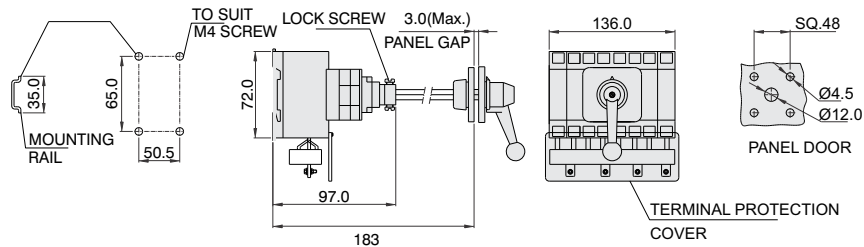
# Changeover Switches

MB42



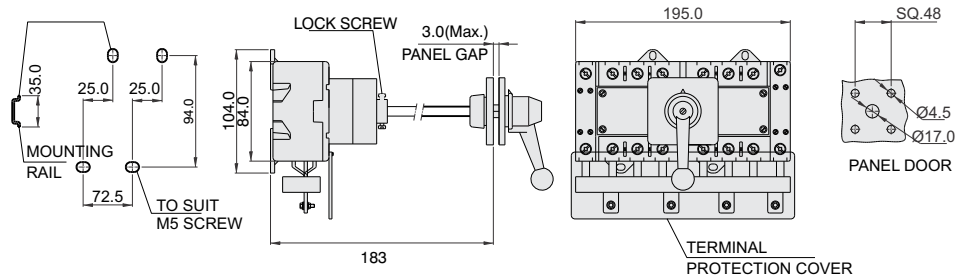
## 25A-63A, Rear Mounting

ALTERNATE FIXING ARRANGEMENT

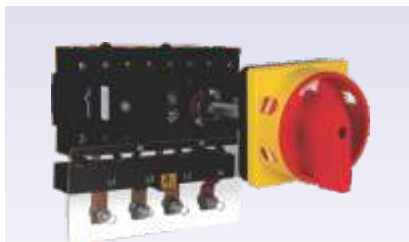


## 80A-125A, Rear Mounting

ALTERNATE FIXING ARRANGEMENT

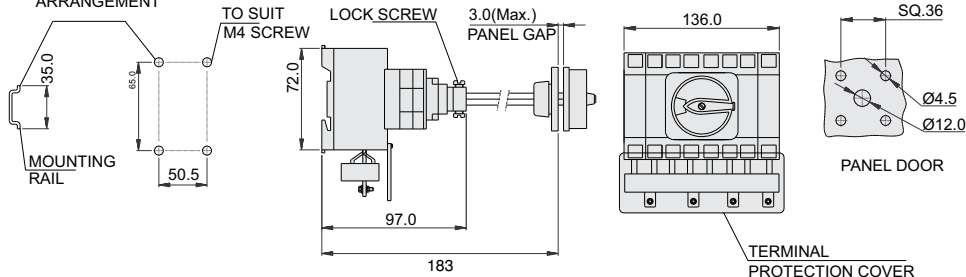


MB34



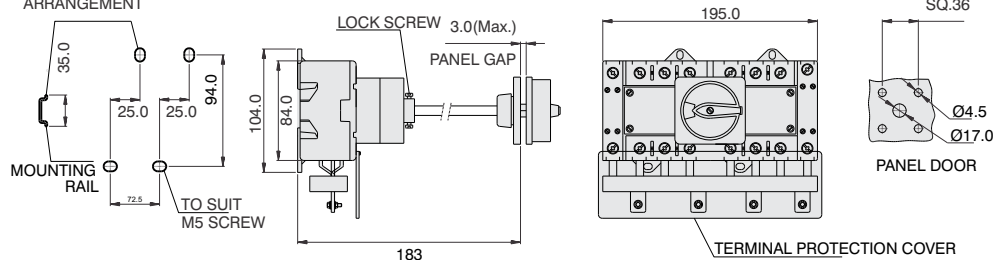
## 25A-63A, Rear Mounting

ALTERNATE FIXING ARRANGEMENT



## 80A-125A, Rear Mounting

ALTERNATE FIXING ARRANGEMENT



- 2 hole rear mounting or snap mounting on DIN EN50022 rail (35mm) and operable from the front (door) coupled with door mechanism.
- Door interlock (door operable only in OFF position)

- Degree of protection : Front IP65.
- Rigid metal shaft/Switch assembly.
- Switch with round padlocking device to prevent the Switch from being made ON by unauthorised persons.

- Max. 3 padlocks.
- Adjustable mounting by cutting the metal shaft to appropriate length to suit panel height.
- Specific length of shaft can be offered on request.



# Enclosure Changeover Switches

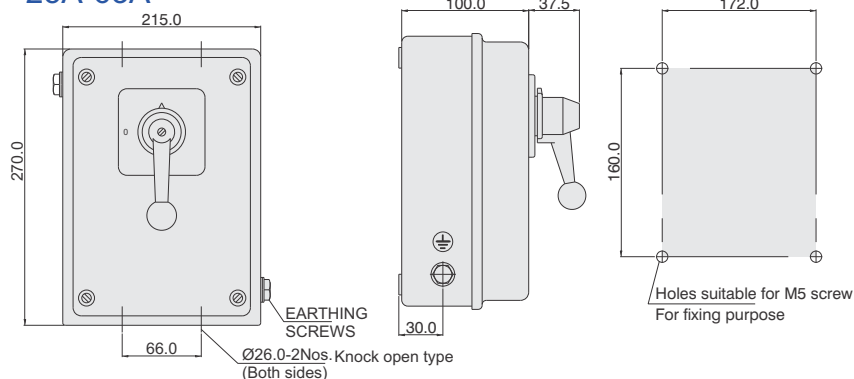
## Features

- 25A - 125A, 4 Pole, AC 23 duty.
- Range available : 3 Pole Changeover - 31153, 3 Pole + Neutral Pole Changeover - 31154
- Powder coated steel enclosure with separate earthing, ABS enclosure having interlock to open the lid only in OFF position for safety.
- Colour : Yellow front plate and Red ball grip handle

**SB31**



**25A-63A**

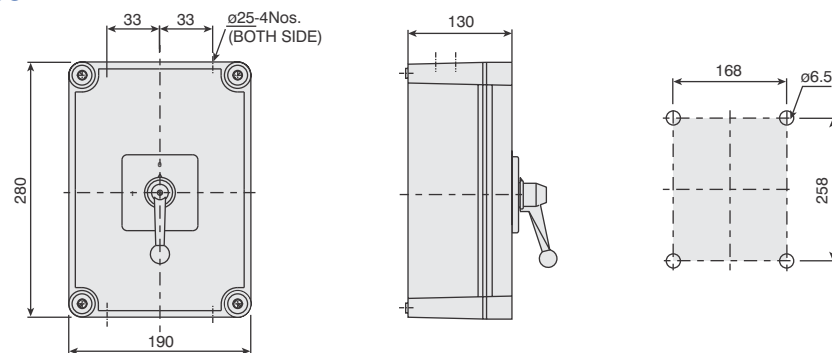


- Powder coated steel enclosure.
- Interlock provided to remove cover only in 'OFF' position for safety.
- Separate earthing provided.
- Colour : Yellow front plate and Red ball grip handle / grey front plate and Black ball grip handle.

**B31L**



**63A**

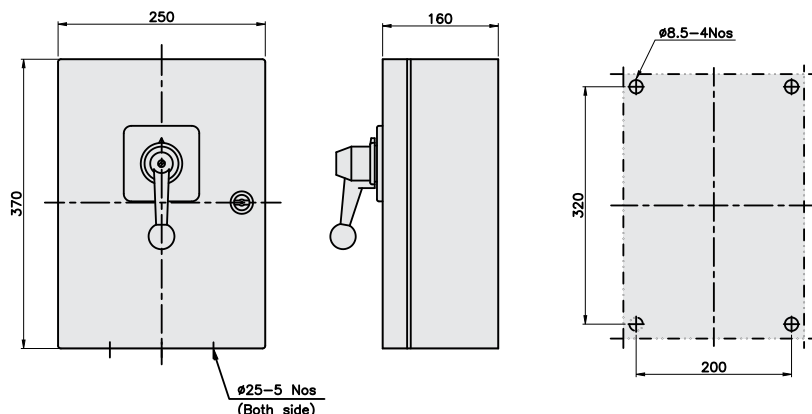


- Switch mounted in grey ABS/ Polycarbonate optional enclosure
- with IP65 protection and interlock provided to open the lid in OFF position.

**SB31XL**



**80A-125A**



- Powder coated steel IP65 enclosure.
- Separate earthing provided.
- Interlock provided to remove cover only in 'OFF' position for safety.
- Colour : Yellow front plate and Red ball grip handle / grey front plate and Black ball grip handle.

# Enclosure Changeover Switches

## CHANGEOVER SWITCHES: KNOB/HANDLE AND MOUNTING OPTIONS

MOUNTING	LB225	LB232	LB240	LB263	LB4080	LB4100	LB4125
B13	PG, BG	PG, BG	PG, BG	PG, BG	-	-	-
MB34	RD	RD	RD	RD	RD	RD	RD
MB42	PG, BG	PG, BG	PG, BG	PG, BG	PG, BG	PG, BG	PG, BG
B21	BG, PG	BG, PG	BG, PG	BG, PG	PG, BG	BG, PG	BG, PG
SB31	BG, PG	BG, PG	BG, PG	BG, PG	-	-	-
SB31XL	-	-	-	-	BG, PG	BG, PG	BG, PG
B31L	RD, BG	RD, BG	RD, BG, PG	RD, BG, PG	-	-	-

The knobs/handles highlighted in blue are standard, others indicates possible options.

## PRODUCT CODING

### LOAD BREAK AND CHANGEOVER SWITCHES

LB Load Break Switch	X X X X Switch Rating	X X X X X Programme Code	X X X X X Mounting Options	X X Knob Options	X X Colour
-------------------------------	-----------------------------	-----------------------------	-------------------------------	---------------------	---------------

### EXAMPLE

LB Switches, 25A, 3P, 9 O'clock, 4 hole front mounting, yellow front plate, red flag knob

LB 225 31309 B13 FL YR

LB Switches, 63A, 3P, 9 O'clock, 4 hole front mounting, with metal shaft, yellow front plate, red round knob

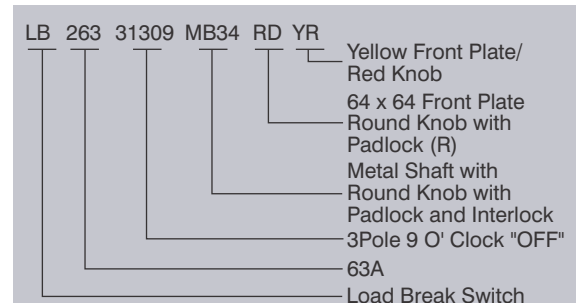
LB 263 31309 MB34 RD YR

LB Switches 40A, 3P, 12 O'clock off in B31SM enclosure, grey front plate, black round knob

LB 240 31300 B31SM RD GB

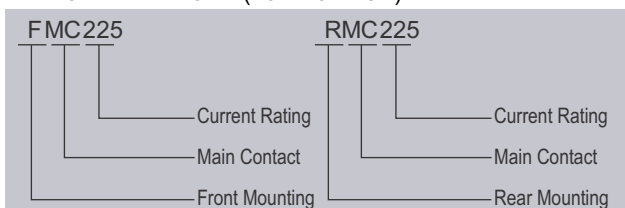
LB Changeover Switch, 63A, 3P, metal enclosure with interlock, yellow front plate, red ball grip handle

LB 263 31153 SB31 BG YR

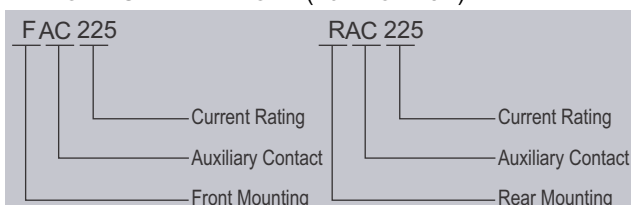


## ACCESSORIES

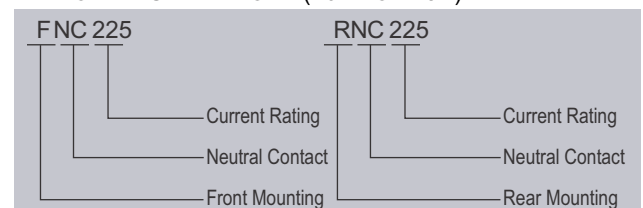
### ADD ON MAIN POLE (16A TO 125A)



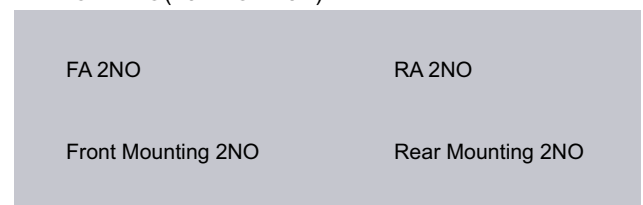
### ADD ON AUXILIARY POLE (16A TO 125A)



### ADD ON NEUTRAL POLE (16A TO 125A)



### ADD ON 2NO(25A TO 125A)





Switch with Roll Handle and Short Handle, both Padlockable



Changeover Switch



Switch for Single Hole Mounting with Padlockable Knob

## FEATURES

Padlock and door interlocking facility.

Double break contacts, with ADD-ON Blocks.

IP 20 (Touch proof terminals) With shroud for protection.

## RANGE

Rated up to 75HP for motor control and upto 125 Amps for switching.

Optional dia 22.5mm single hole, panel, base, DIN rail or enclosure mounting.

On Load Changeover Switches with various mounting options.

## APPROVALS

Conform to IEC, UL & CB standards.

Carry CE & UL marks as applicable Factory ISO 9001 / 14000 / 18000 certified.



# salzer

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