

DESIGN FEATURES

- Double break contacts
- Polycarbonate shroud for wired terminal protection included
- Excellent switching & high short circuit capacity
- Compact and reliable
- Easy installation
- Front, rear and enclosure mounting options
- Provision for DIN rail mounting on rear mount switches
- 22.5mm single hole mount offered for 16-20A switches with padlocking option
- Open terminals for easy access
- Finger protection
- Terminal screws with fixed clamp for easy wiring
- Add-on contacts can be mounted on both sides of switch. Economical neutral can be mounted on either side.
- 4th pole addition is possible at site.
- Maintenance Handle is offered with MB34/MB42 mounting for switching ON, when panel is open for testing purpose.

APPLICATIONS

- Isolator
- Motor Control/Disconnect Switches
- Main Switch
- Multistep Switches
- Instrumentation Selector Switches
- Emergency ON-OFF
- Changeover Switch
- Gang Switches

APPROVALS

- For Canada and US

**Electromec™**

NOTE: Pricing and specifications subject to change without notice.

ELECTROMECC LOAD BREAK SWITCHES - TECHNICAL DATA

RATING	MEASURE		LB116	LB120	LB225	LB232	LB240	LB263	LB4080	LB4100	LB4125
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Rated Operational Voltage, Ue

IEC/EN/VDE	Volts	V	690	690	690	690	690	690	690	690	690
UL/CSA	Volts	V	600	600	600	600	600	600	600	600	600
Main Switch: Isolating Voltage Up to											
Resistance to Surge Pulse Voltage, Uimp	Volts	kV	6	6	6	6	6	6	6	6	6
Rated Uninterrupted Current, Iu	Amps	A	16	20	25	32	40	63	80	100	125

Rated Operational Current

IEC/EN/VDE	AC22	Amp	A	16	20	25	32	40	63	80	100	125
	AC-21A IEC/EN/VDE	Amp	A	16	20	25	32	40	63	80	100	125
	AC-1	Amp	A	20	25	32	40	63	80	80	100	125
UL/CSA		Amp	A	16	20	25	32	40	63	80	100	125

Rated Operational Power at 50Hz to 60Hz (IEC/EN/VDE)

IEC/EN/VDE	AC-23A, 3 PHASE, 3 POLE	220-240V	kW	3	5	5.5	7.5	11	15	18.5	22	30
		380-440V	kW	5.5	7.5	11	15	18.5	30	30	37	45
		600-690V	kW	7.5	11	11	15	22	30	37	45	55
	AC-3, 3 PHASE, 3 POLE	220-240V	kW	2	3	4	5.5	7.5	11	15	18.5	22
		380-440V	kW	3	5.5	7.5	11	18.5	22	22	30	37
		600-690V	kW	5.5	7.5	11	11	18.5	22	30	37	45

Short Circuit Capacity (IEC/EN/VDE)

Maximum Fuse Size (Type gL)	Amp	A	16	25	25	32	40	63	80	100	125
Rated fused short circuit current	Amp	kA	5	5	30	30	30	30	30	30	30

UL/CSA Power Rating: Manual Motor Controller, Suitable as Disconnect

DOL	3 PHASE, 3 POLE	120V	HP	1	1	3	3	5	7.5	5	7.5	7.5
		240V	HP	3	3	7.5	7.5	10	15	10	15	15
		480V	HP	7.5	7.5	15	20	20	25	30	30	40
		600V	HP	10	10	20	25	30	30	40	40	50
	1 PHASE	120V	HP	0.5	.05	1.5	2	3	3	3	3	3
		240V	HP	1.5	1.5	2	3	4	7.5	7.5	7.5	10

Short Circuit Capacity (UL/CSA)

Maximum Fuse Size	Amp	A	25	25	50	50	70	70	100	100	125
Fuse Rating, J Type	Amp	A	25	20	45	45	70	70	90	90	90
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 ²		1.5	1.5	1	1	4	4	6	6	6
	Max-mm ²		6	6	10	10	16	16	70	70	70
Fine Strand Wire with Sleeve	Min-mm ²		0.5	0.5	0.75	0.75	2.5	2.5	4	4	4
	Max-mm ²		6	6	6	6	10	10	50	50	50
American Wire Gauge	-	AWG	12	12	8	8	6	6	1	1	1
Recommended Tightening Torque	-	Nm	0.8	0.8	1.7	1.7	1.7	1.7	2.5	2.5	2.5

**ELECTROMECC LOAD BREAK SWITCHES
FRONT / REAR MOUNT****B33 FRONT MOUNT**

Four hole front panel mounting

IP55 Protection at front

Available in 7 amp ratings: 25, 32, 40, 63, 80, 100 & 125

Round Padlocking device to prevent operation by unauthorized personnel

Fifth pole can be fitted on the side of the switch.

MODEL NO.	AMPS	LIST
LB 225B33RDYR	25	\$73.00
LB 232B33RDYR	32	\$76.00
LB 240B33RDYR	40	\$87.00
LB 263B33RDYR	63	\$93.00
LB 4080B33RDYR	80	\$150.00
LB 4100B33RDYR	100	\$170.00

**MB34 BASE MOUNT**

Two-hole rear mounting or snap mounting on DIN rail (35mm) and operable from the front (door) coupled with door mechanism

Door interlock (door can only be opened in OFF position)

Degree of protection (front): IP65

Configuration for 25 - 63 Amp models

Configuration for 80 - 125 Amp models

Available in 6 amp ratings: 25, 32, 63, 80, 100 & 125 A

Has rounded padlocking device to prevent the switch from being turned ON by unauthorized personnel

Maximum 3 padlocks

Adjustable mounting by cutting the metal shaft to correct length for panel height

Specific shaft length available on request

Fifth pole can be fitted on the side of the switch.

MODEL NO.	AMPS	LIST
LB 225MB34RDYR	25	\$93.00
LB 232MB34RDYR	32	\$120.00
LB 232MB34SH	32	\$120.00
LB 240MB34RDYR	40	\$130.00
LB263MB34SH	40	\$130.00
LB 263MB34RDYR	63	\$145.00
LB 263MB34SH	63	\$145.00
LB 4080MB34RDYR	80	\$193.00
LB 4100MB34RDYR	100	\$240.00
LB 4125MB34RDYR	125	\$260.00

Notes:

- Suffix "RDYR" Switches include Round-Red/Yellow Style

Handle and LB SHAFT-2 in price

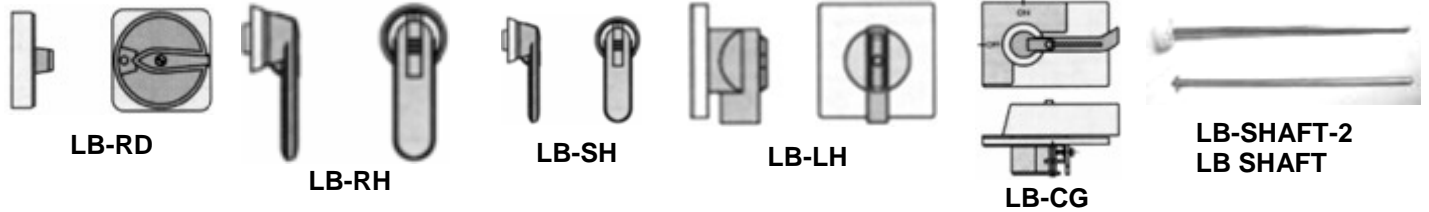
- Suffix "SH" Switches include Short-Red/Black

Handle and LB SHAFT-2 in price

**ELECTROMECC LOAD BREAK SWITCHES
ACCESSORIES / PLASTIC ENCLOSURE MOUNTING**

ACCESSORIES FOR BASE MOUNT SWITCH

STYLE	DESCRIPTION	FITS	PART NUMBER	LIST
RD	ROUND KNOB - GRAY/BLACK	ALL FIVE LB MODELS	LB HANDLE RDGB	\$21.00
RD	ROUND KNOB - RED/YELLOW		LB HANDLE RDYR	\$17.24
RH	ROLL HANDLE		LB HANDLE RH	\$40.00
SH	SHORT HANDLE		LB HANDLE SH	\$42.68
LH	LEECH HANDLE		LB HANDLE LH	\$35.00
CG	CG PISTOL HANDLE		LB HANDLE CG	\$35.00
HANDLE SHAFT			RD & LH HANDLES	LB SHAFT-2
HANDLE SHAFT		RH & SH HANDLES	LB SHAFT MB34-1	\$30.00

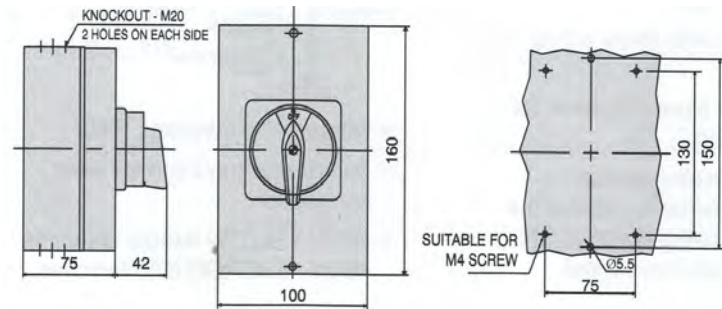


PLASTIC ENCLOSURE MOUNTING

32 Amp rating
Rear mounted in grey ABS plastic enclosure.
Round padlocking device (max. 3 padlocks) to prevent the switch from being turned ON by unauthorized personnel
Degree of protection IP65
Red/yellow handle colour

B31SMX Enclosed Switch

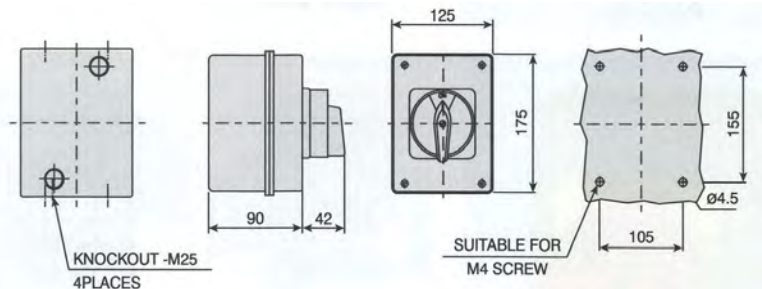
CAT. NO.	AMPS	LIST
LB 232B31SMX	32	\$137.00
LB 240B31SMX	40	\$170.00



B31M Enclosed Switch

CAT. NO.	AMPS	LIST
LB 232B31MRDYR	32	137.00
LB 263B31MRDYR	63	190.00

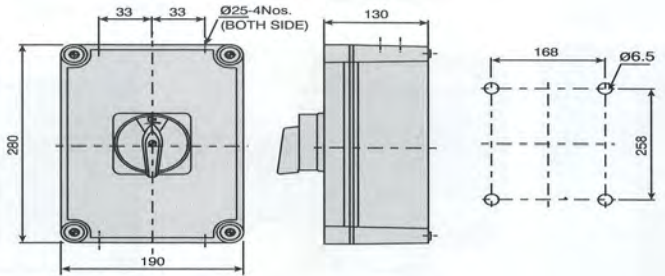
Available in 32 and 63 Amp ratings
Rear mounted in IP65 grey ABS plastic enclosure.
Padlocking device (max. 3 padlocks) prevents the switch from being turned ON by unauthorized personnel
Interlock provided so lid can only be opened in OFF position
Red/yellow handle colour



NOTE: Pricing and specifications subject to change without notice.

**ELECTROMECC LOAD BREAK SWITCHES
PLASTIC ENCLOSURE MOUNTING / ACCESSORIES**

Available in 63, 80, 100 & 125 Amp ratings
Rear mounted in IP65 grey ABS plastic enclosure
Padlocking device prevents the switch from being turned ON by unauthorized personnel
Interlock provided so lid can only be opened in OFF position

**B31L Enclosed Switch**

CAT. NO.	AMPS	LIST
LB 263B31L6*	63	\$235.00
LB 4080B31L	80	\$235.00
LB 4100B31L	100	\$321.00
LB 4125B31L	125	\$353.00

* Note: 6 pole switch - others are 3 pole

**ACCESSORIES FOR LOAD BREAK SWITCHES****ADD ON MAIN POWER POLE MODULE**

Equivalent switch electrical rating
Used as 4th/5th pole on either side of switch
Can be used to switch on any single phase simultaneously



SWITCH MODEL	CAT. NO. FOR FRONT MOUNTING SWITCH	LIST	CAT. NO. FOR REAR MOUNTING SWITCH	LIST
LB225	LB FMC25	\$15.00	LB RMC25	\$15.00
LB232	LB FMC32	\$15.00	LB RMC32	\$15.00
LB240	LB FMC40	\$15.00	LB RMC40	\$15.00
LB263	LB FMC63	\$15.00	LB RMC63	\$15.00
LB080	LB FMC80	\$30.00		
LB100	LB FMC100	\$30.00		
LB125	LB FMC125	\$30.00		

ADD ON NEUTRAL POLE MODULE

Early Make and Late Break contact
Can be fitted on either side of the switch
To be used as Neutral Conductor to the switch



SWITCH	CAT. NO.	CAT. NO.	LIST
LB225	LB FNC25	LB RNC25	15.00
LB232	LB FNC32	LB RNC32	15.00
LB240	LB FNC40	LB RNC40	15.00
LB263	LB FNC63	LB RNC63	15.00

ADD ON AUXILIARY MODULE

One NO contact Early Break/Late Make + One NC contact
Can be fitted on either side of the switch.
Used to trigger any auxiliary circuits



FOR SWITCH TYPE	FRONT MOUNTING	REAR MOUNTING	LIST
Model #	FAC16	RAC16	15.00

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