www.salzergroup.com

salzer



WEATHER PROOF SWITCHES

IP RATED ENCLOSURES





SALZER - SELLING SOLUTIONS

Salzer Electronics Limited set off in 1985 with the manufacture of Cam-Operated Rotary Switches in a technical collaboration with Salzer Schaltgerate Fabrik, GmbH., Germany.

Bringing global quality into electrical installation products in India through fool-proof quality systems, widening product range and offering customized solutions Salzer continues to stay in the forefront of electrical installation solutions .

Salzer is today India's No. 1 in rotary switches and wiring ducts and a prominent player in major segments such as Switchgear, Wires & Cables, Construction and Energy Management. The company has a wide range of products and presence in over 50 countries.

The company has the wherewithal to meet the demands of diverse expansions with five factories and robust manufacturing and testing facilities global affiliations international product approvals such as IEC, UL, CE, S mark and RoHS compliance.

We occupy a leading position in the manufacture of Load Break Switches. Our latest series of load break switches and photo voltaic switches comply with latest specifications for modern low voltage devices and high reliability to withstand short circuit currents, their compact design contributing to space saving installation and operational convenience.

Salzer does not just sell products. We sell solutions.



















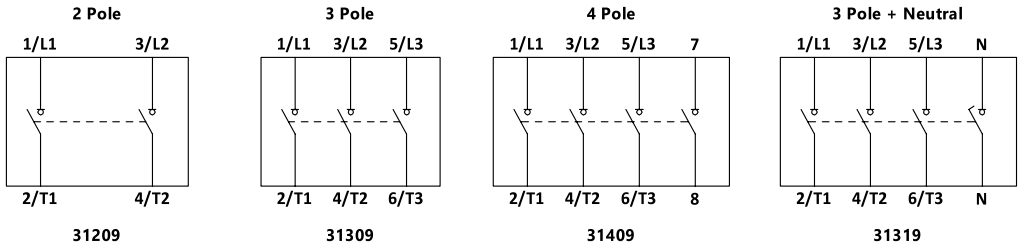


Safety Switch / Isolators
PC Enclosure
16A - 125A

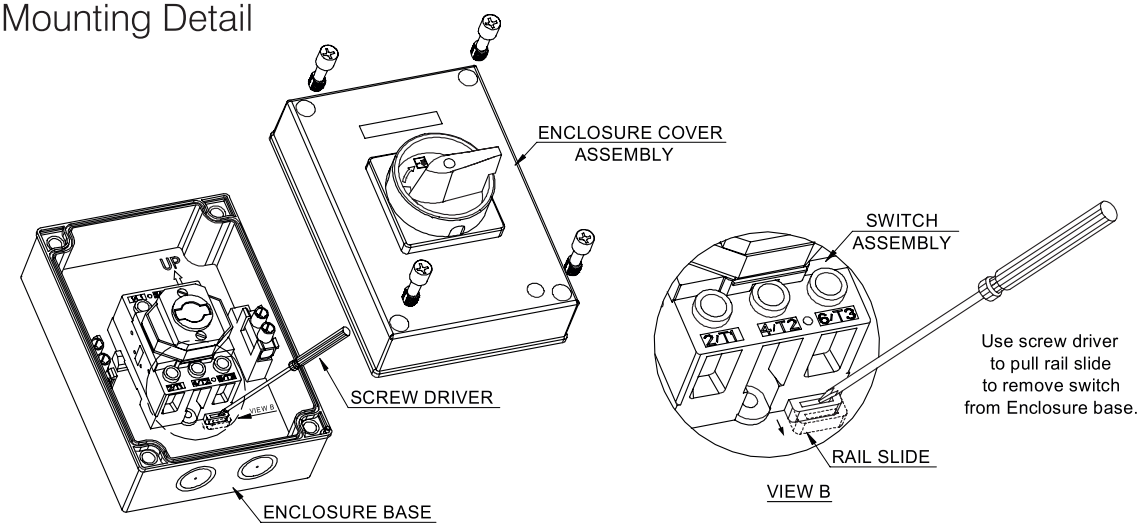
Features

- Switch Mounted in UV Resistance Polycarbonate Enclosure.
- Round Padlocking device (Max. 3 Padlocks) to prevent the Switch from being made to ON by unauthorized personnel.
- 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 as per UL50 & Nema 250 (from front)
- Degree of protection : IP66
- Enclosure Colour : Light Grey Base / Dark Grey cover (or) Dark Grey Base / Light Grey cover
- Knob colour : Grey / Black (or) Yellow / Red
- IK ratings : B31SM-IK9, B31M/B31L-IK10
- Standard : IEC60947-3, EN60947-3, UL508
- Approvals :

Switching Program



Switch Mounting Detail



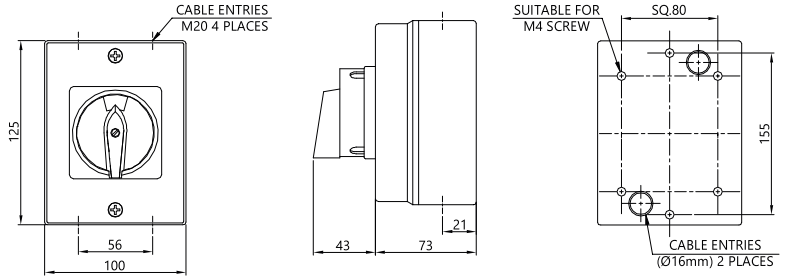
Technical Data

DATA	Measures	Units	Switch Code								
			LB216	LB220	LB225	LB232	LB240	LB263	LB4080	LB4100	LB4125
Rated Operational Voltage Ue	Volts	V	IEC 690 V / UL 600 V								
Rated uninterrupted current Iu	Amp	A	16	20	25	32	40	63	80	100	125
Rated operational current Ie											
AC-21A	Amp	A	20	25	32	40	63	80	80	100	125
AC-23A	Amp	A	16	20	25	32	40	63	80	100	125
Rated operational power at 50 to 60Hz											
AC-23A IEC/EN	380-440V	kW	15	15	22	22	45	45	90	90	90
AC-3 IEC/EN	380-440V	kW	5.5	11	15	15	30	30	55	55	55
Rated fused short circuit current	Amp	kA	5	5	30	30	30	30	30	30	30
Terminal Cross Section											
Single / multiple stand wire	Min-mm2		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	Max-mm2		10	10	10	25	25	25	50	50	50

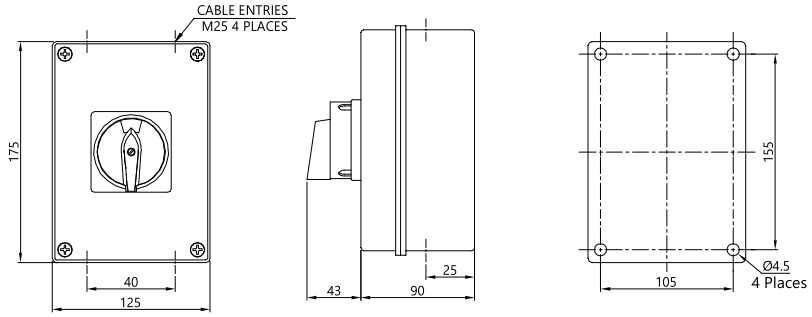
Ordering Code:
Switch Code + Switching Program + Model Number
Example : LB240 31409 B31M

Dimensional Drawing

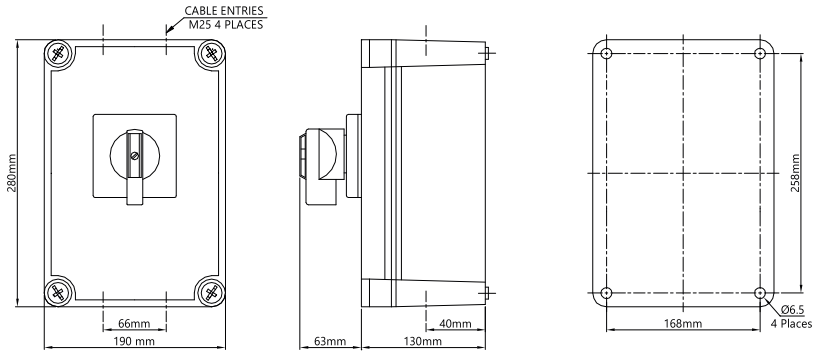
B31SM
16A TO 32A



B31M
25A TO 63A



B31L
80A TO 125A



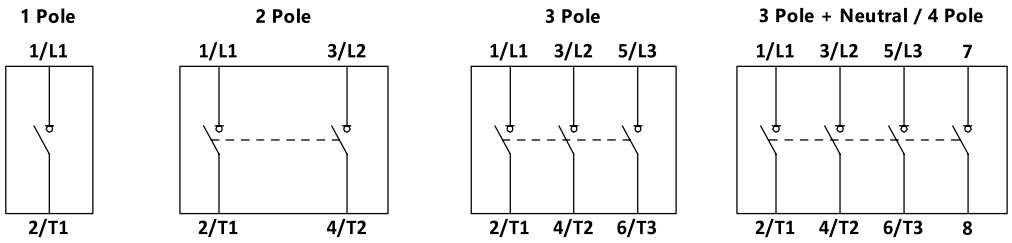


Weather Proof Isolators
PC Enclosure
20A - 63A

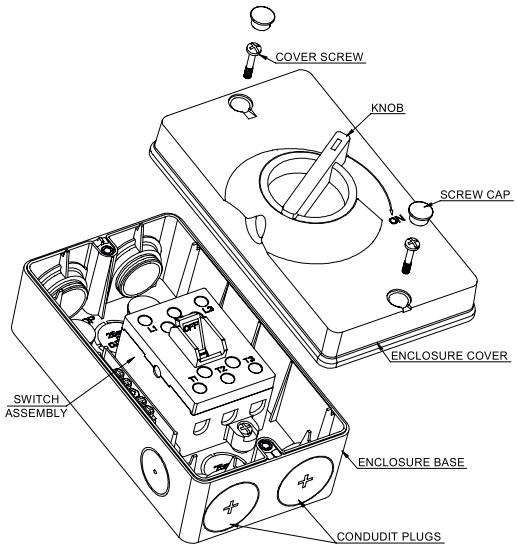
Features

- Switch Mounted in UV Resistance Polycarbonate Enclosure.
- Switch Rear mounted for easy connection.
- Padlocking device to prevent the Switch from being made to ON by unauthorized personnel.
- Degree of protection : IP66 (asper 60529)
- Enclosure Base and cover color: RAL7047, Operating Knob: RAL7047.
- Tested and certified as per AS: 60947-3 , AS/NZS : 3133 & IEC/EN : 60947-3.

Switching Program



Switch Mounting Detail



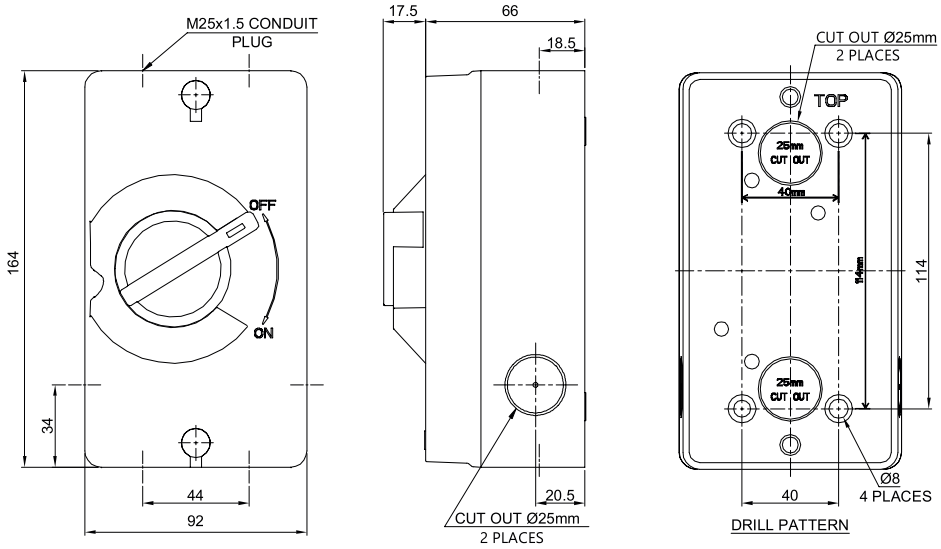
Technical Data

DATA	Measures	Units	Amp Rating				
			20	25	32	40	63
Rated Operational Voltage Ue	Volts	V			440		
Rated uninterrupted current Iu	Amp	A	20	25	32	40	63
Rated operational current Ie							
AC-23A	Amp	A	20	25	32	40	63
Short circuit capacity (IEC/EN)							
Rated fused short circuit current	Amp	kA	30	30	30	30	30
Terminal Cross Section							
Single / multiple stand wire		Min-mm2	6	6	6	6	6
		Max-mm2	10	10	10	10	10

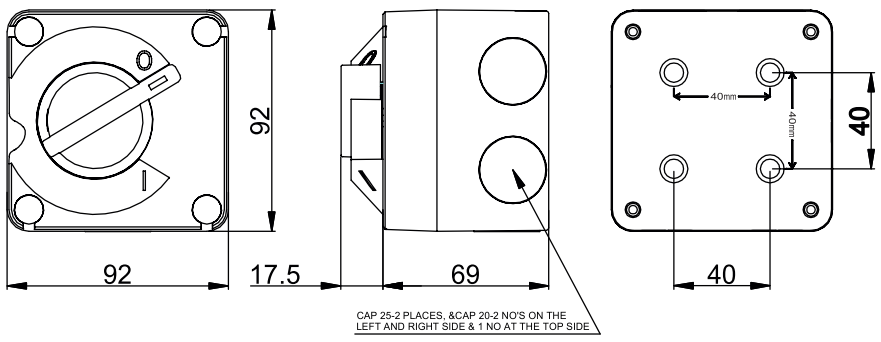
Ordering Code:
LBWPS + No. of Poles + Amp rating
Example : LBWPS + 3 + 63

Dimensional Drawing

LBWPS
20A TO 63A



LBWPS
20A



- Switch front mounted
- 2 pole only available

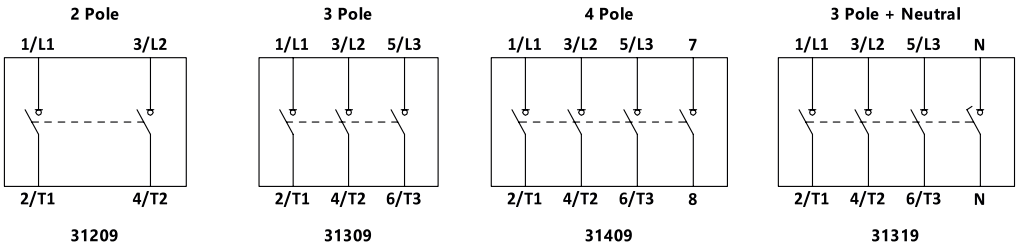


Safety Switch / Isolators
Aluminium Enclosure
16A - 125A

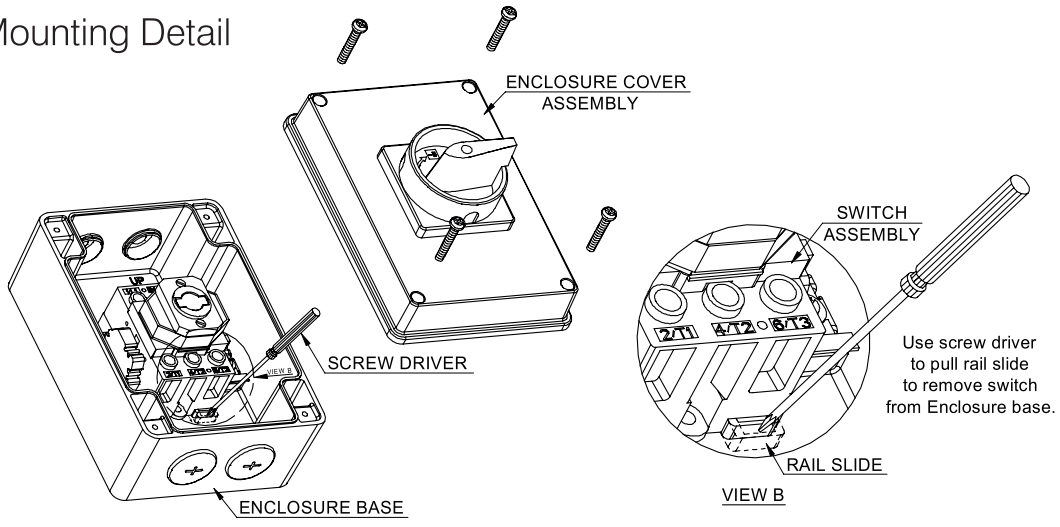
Features

- Switch Mounted in Aluminium Enclosure.
- Round Padlocking device (Max. 3 Padlocks) to prevent the Switch from being made to ON by unauthorized personnel.
- Switch Rear mounted for easy connection.
- Door interlock-cover cannot open in ON condition
- Degree of protection : IP66
- Enclosure Colour : Light Grey Base / Dark Grey cover (or) Dark Grey Base / Light Grey cover
- Knob colour : Grey / Black (or) Yellow / Red
- IK rating : IK-9
- Standard : IEC60947-3, EN60947-3, UL508
- Approvals :

Switching Program



Switch Mounting Detail



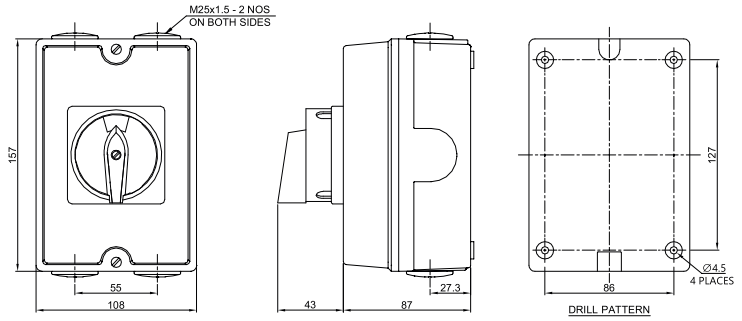
Technical Data

DATA	Measures	Units	Switch Code								
			LB216	LB220	LB225	LB232	LB240	LB263	LB4080	LB4100	LB4125
Rated Operational Voltage Ue	Volts	V	IEC 690 V / UL 600 V								
Rated uninterrupted current Iu	Amp	A	16	20	25	32	40	63	80	100	125
Rated operational current Ie											
AC-21A	Amp	A	20	25	32	40	63	80	80	100	125
AC-23A	Amp	A	16	20	25	32	40	63	80	100	125
Rated operational power at 50 to 60Hz											
AC-23A IEC/EN	380-440V	kW	15	15	22	22	45	45	90	90	90
AC-3 IEC/EN	380-440V	kW	5.5	11	15	15	30	30	55	55	55
Rated fused short circuit current	Amp	kA	5	5	30	30	30	30	30	30	30
Terminal Cross Section											
Single / multiple stand wire	Min-mm2		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	Max-mm2		10	10	10	25	25	25	50	50	50

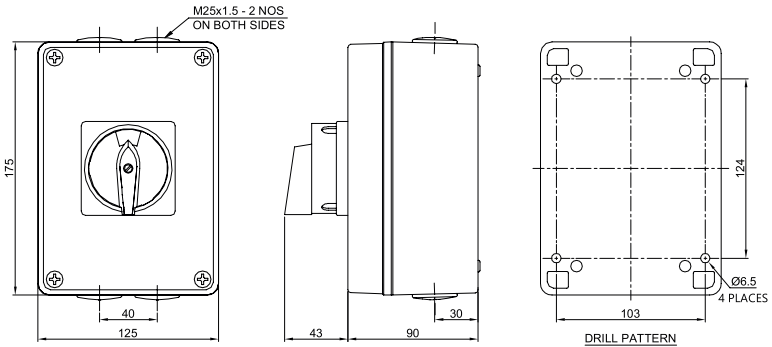
Ordering Code:
Switch Code + Switching Program + Model Number
Example : LB240 31409 AB31M

Dimensional Drawing

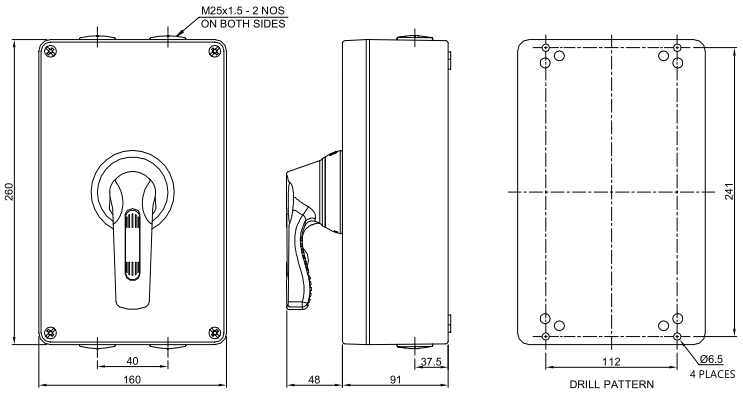
AB31SM
16A TO 32A



AB31M
25A TO 63A



AB31L
80A TO 125A





Fire Rated
F_{400} 120

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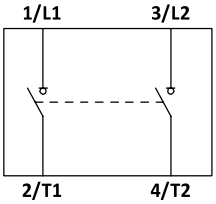
Aluminium Enclosure
25A - 63A

Features

- Switch Mounted in Aluminium Enclosure.
- Round Padlocking device (Max. 3 Padlocks) to prevent the Switch from being made to ON by unauthorized personnel.
- Switch Rear mounted for easy connection.
- Door interlock-cover cannot open in ON condition
- Degree of protection : IP66
- RED/YELLOW – handle colour for MAIN/EMERGENCY switches.
- Enclosure Colour : Red
- Standard: EN12101-3:2015

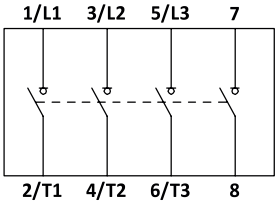
Switching Program

2 Pole



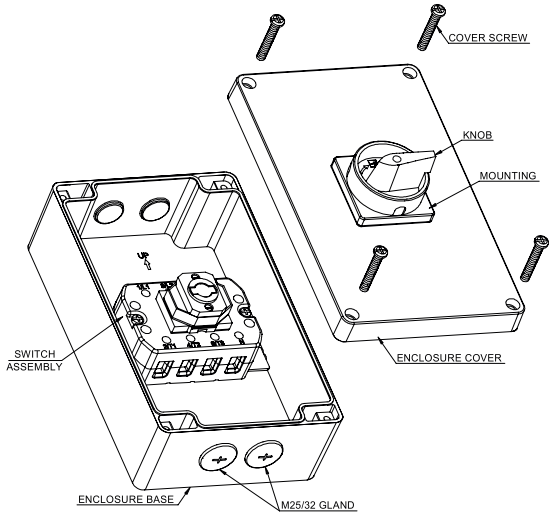
31209

3 Pole + Neutral / 4 Pole



31409

Switch Mounting Detail



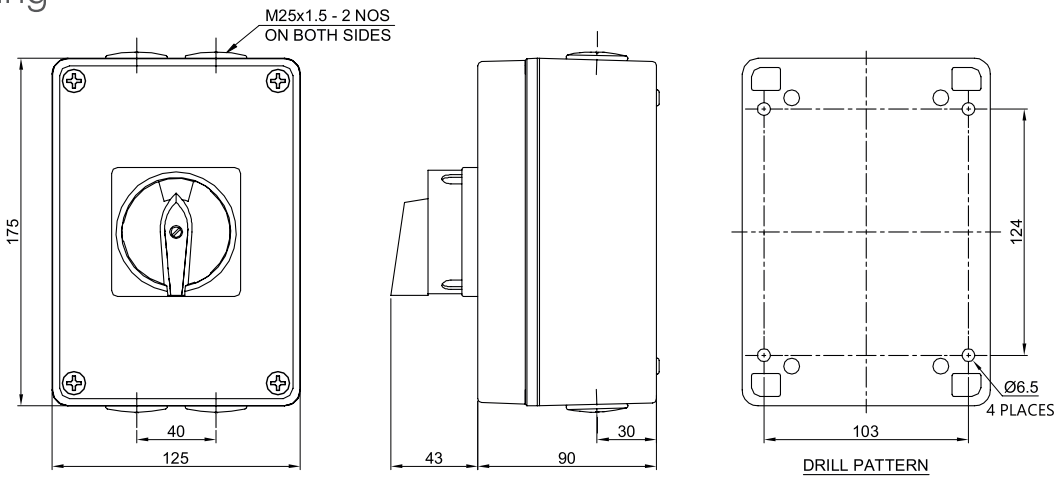
Technical Data

DATA	Measures	Units	Switch Code			
			LBF225	LBF232	LBF240	LBF263
Rated Operational Voltage Ue	Volts	V	IEC 690 V / UL 600 V			
Rated uninterrupted current Iu	Amp	A	25	32	40	63
Rated operational current Ie						
AC-21A	Amp	A	32	40	63	80
AC-23A	Amp	A	25	32	40	63
Rated operational power at 50 to 60Hz						
AC-23A IEC/EN	380-440V	kW	22	22	45	45
AC-3 IEC/EN	380-440V	kW	15	15	30	30
Rated fused short circuit current	Amp	kA	30	30	30	30
Terminal Cross Section						
Single / multiple stand wire	Min-mm2		2.5	2.5	2.5	2.5
	Max-mm2		10	10	25	25

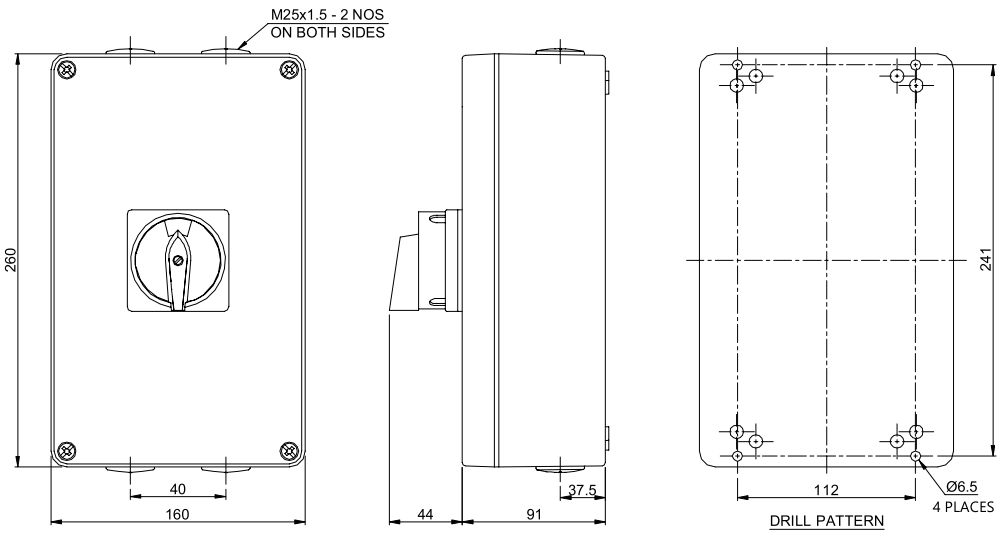
Ordering Code:
Switch Code + Switching Program + Model Number
Example : LBF263 31409 AB31L

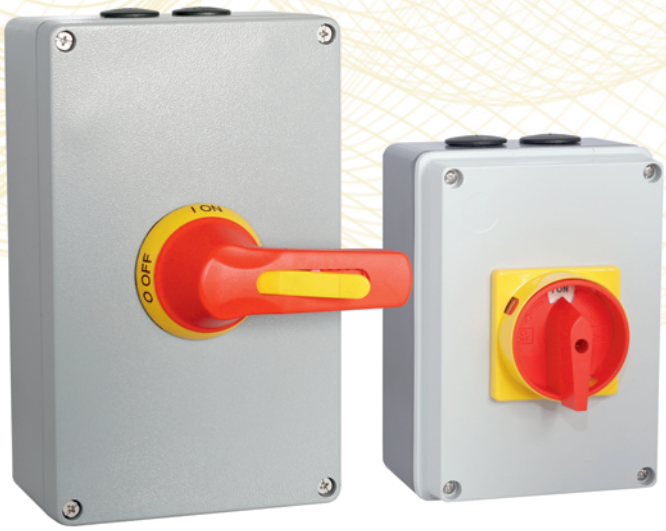
Dimensional Drawing

AB31M
25A TO 32A



AB31L
40A TO 63A





ATEX Certified

Aluminium Enclosure
Safety Switch / Isolators
25A - 125A

Features

- Round Padlocking device to prevent the Switch from being made to ON by unauthorized personnel.
- Switch Rear mounted for easy connection.
- Door interlock-cover cannot open in ON condition
- Degree of protection : IP66
- Knob colour : Yellow / Red
- Explosion proof
- Standard : IEC60947-3, EN60947-3, UL508

States that the product fulfils the ATEX directive

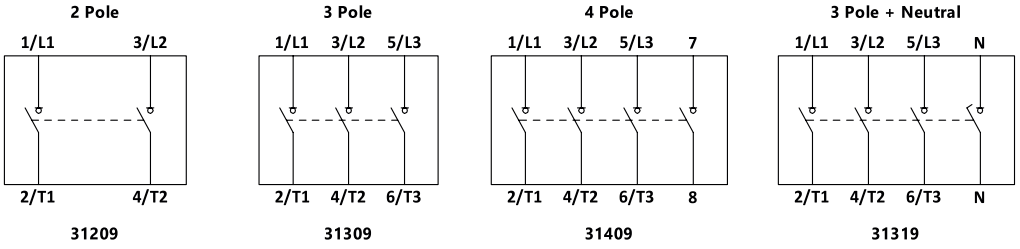
II Equipment group (II = remaining risk areas)

3 D Equipment category(can be used in Zone 22

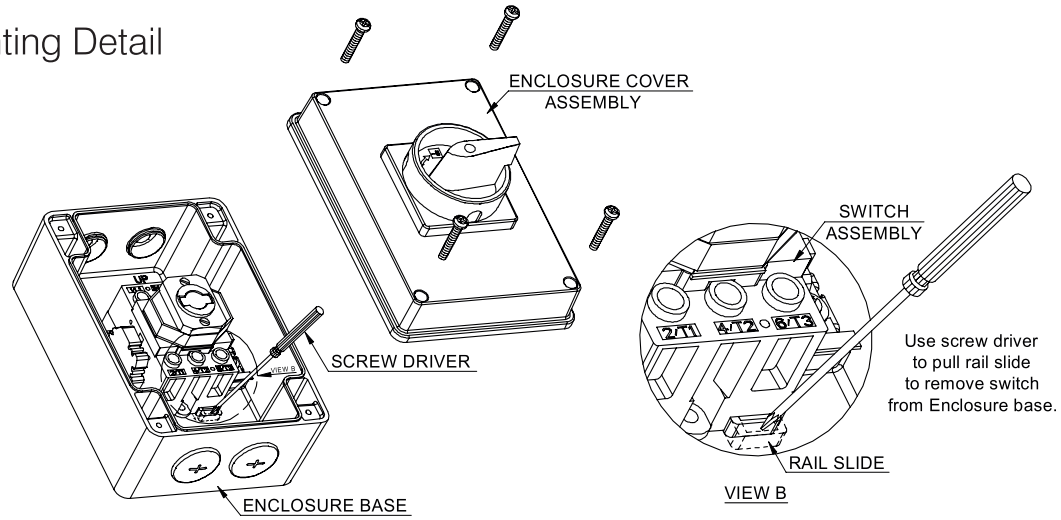
T 65°C Max surface temperature

X Conditions for installation and use, see instruction sheet

Switching Program



Switch Mounting Detail



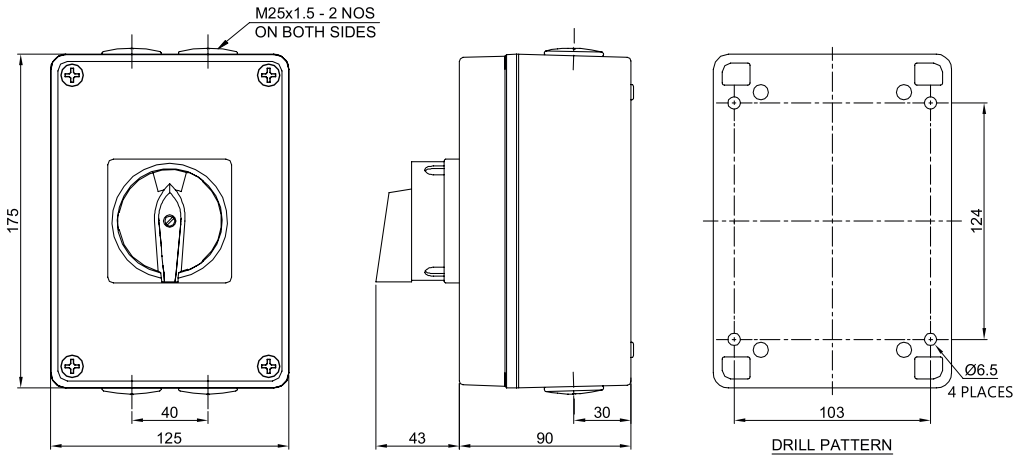
Technical Data

DATA	Measures	Units	Switch Code						
			LB225	LB232	LB240	LB263	LB4080	LB4100	LB4125
Rated Operational Voltage Ue	Volts	V	IEC 690 V / UL 600 V						
Rated uninterrupted current Iu	Amp	A	25	32	40	63	80	100	125
Rated operational current Ie									
AC-21A	Amp	A	32	40	63	80	80	100	125
AC-23A	Amp	A	25	32	40	63	80	100	125
Rated operational power at 50 to 60Hz									
AC-23A IEC/EN	380-440V	kW	22	22	45	45	90	90	90
AC-3 IEC/EN	380-440V	kW	15	15	30	30	55	55	55
Rated fused short circuit current	Amp	kA	30	30	30	30	30	30	30
Terminal Cross Section									
Single / multiple stand wire	Min-mm2		2.5	2.5	2.5	2.5	2.5	2.5	2.5
	Max-mm2		10	10	25	25	50	50	50

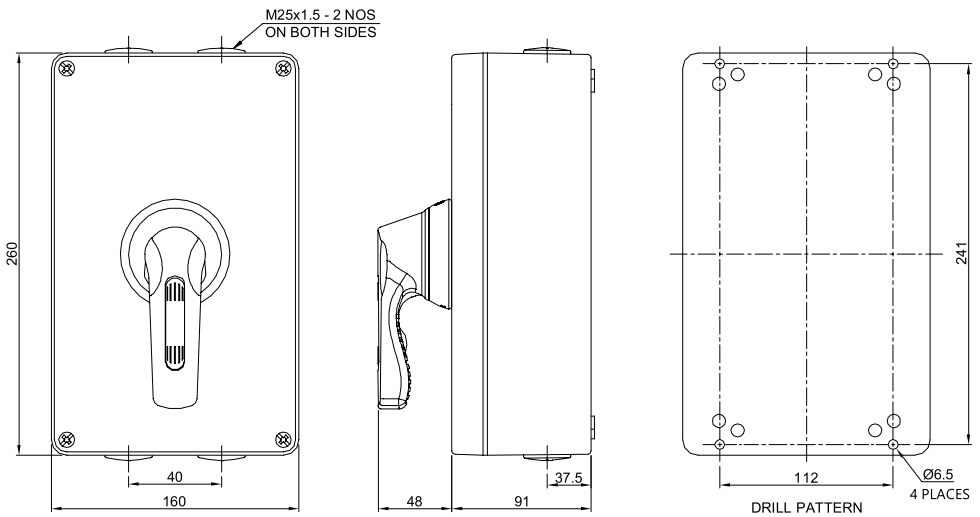
Ordering Code:
Switch Code + Switching Program + Model Number
Example : LB240 31409 AB31M EX

Dimensional Drawing

AB31M EX
25A TO 63A



AB31L EX
80A TO 125A





Safety Switch / Isolators

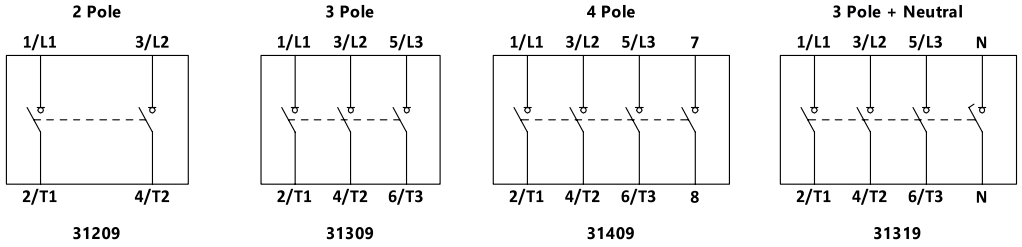
Sheet Steel Enclosure

16A - 125A

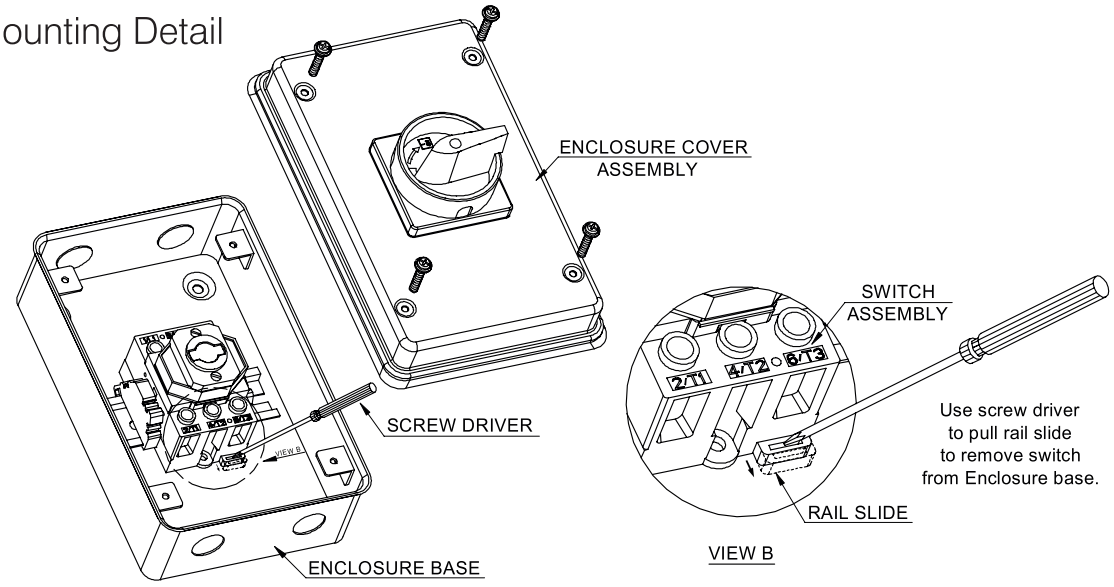
Features

- Switch Mounted in Sheet Steel Enclosure
- Round Padlocking device to prevent the Switch from being made to ON by unauthorized personnel.
- Switch Rear mounted for easy connection.
- Door interlock-cover cannot open in ON condition
- Degree of protection : IP53
- Enclosure Colour : Light Grey Base / Dark Grey cover (or) Dark Grey Base / Light Grey cover
- Knob colour : Grey / Black (or) Yellow / Red
- Standard : IEC60947-3, EN60947-3, UL508
- Approvals : c UL us CE Intertek

Switching Program



Switch Mounting Detail



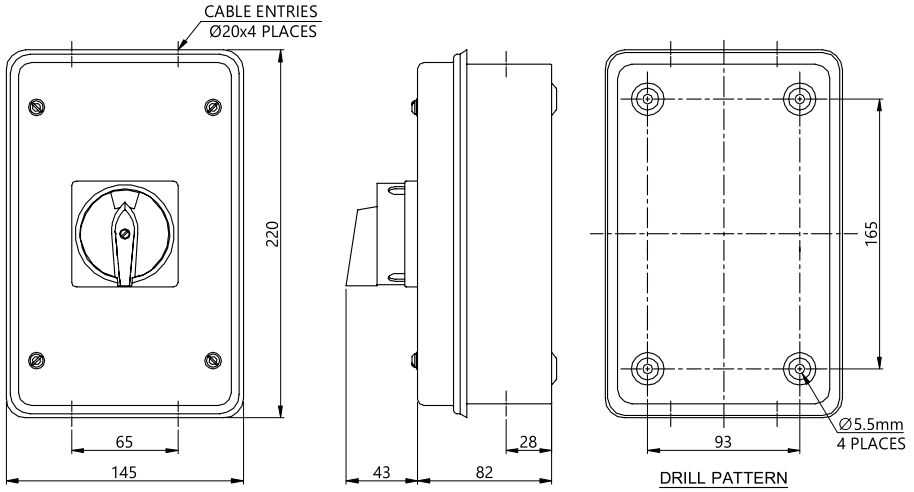
Technical Data

DATA	Measures	Units	Switch Code								
			LB216	LB220	LB225	LB232	LB240	LB263	LB4080	LB4100	LB4125
Rated Operational Voltage Ue	Volts	V	IEC 690 V / UL 600 V								
Rated uninterrupted current Iu	Amp	A	16	20	25	32	40	63	80	100	125
Rated operational current Ie											
AC-21A	Amp	A	20	25	32	40	63	80	80	100	125
AC-23A	Amp	A	16	20	25	32	40	63	80	100	125
Rated operational power at 50 to 60Hz											
AC-23A IEC/EN	380-440V	kW	15	15	22	22	45	45	90	90	90
AC-3 IEC/EN	380-440V	kW	5.5	11	15	15	30	30	55	55	55
Rated fused short circuit current	Amp	kA	5	5	30	30	30	30	30	30	30
Terminal Cross Section											
Single / multiple stand wire	Min-mm2		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	Max-mm2		10	10	10	25	25	25	50	50	50

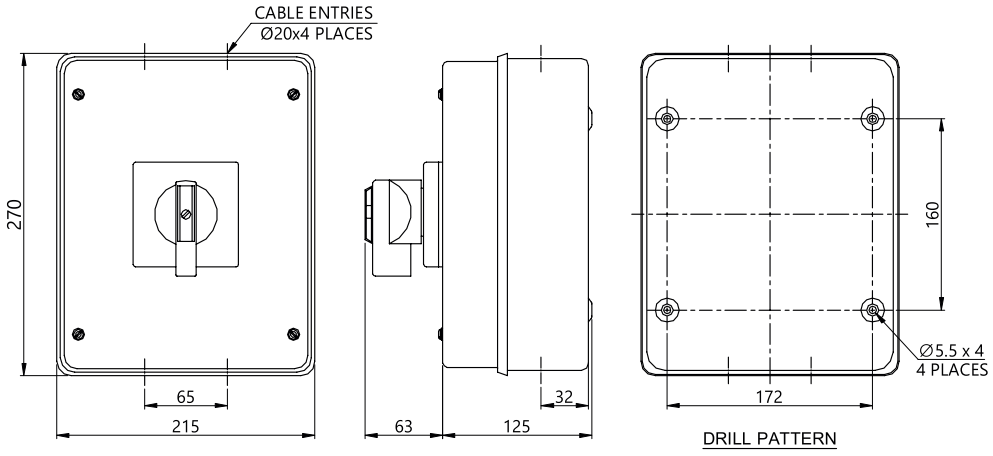
Ordering Code:
Switch Code + Switching Program + Model Number
Example : LB240 31409 SB31M

Dimensional Drawing

SB31M
16A TO 63A



SB31L
80A TO 125A



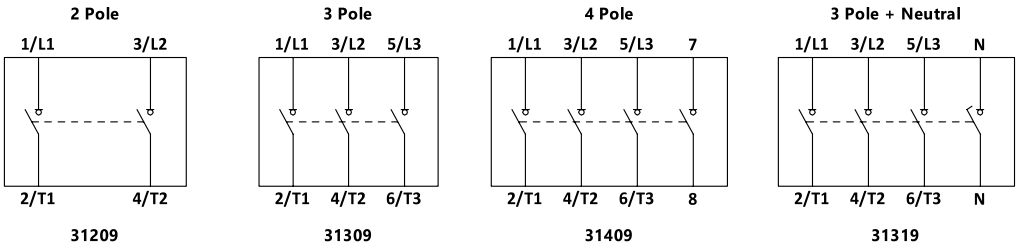


Safety Switch / Isolators
Stainless Steel Enclosure
25A - 125A

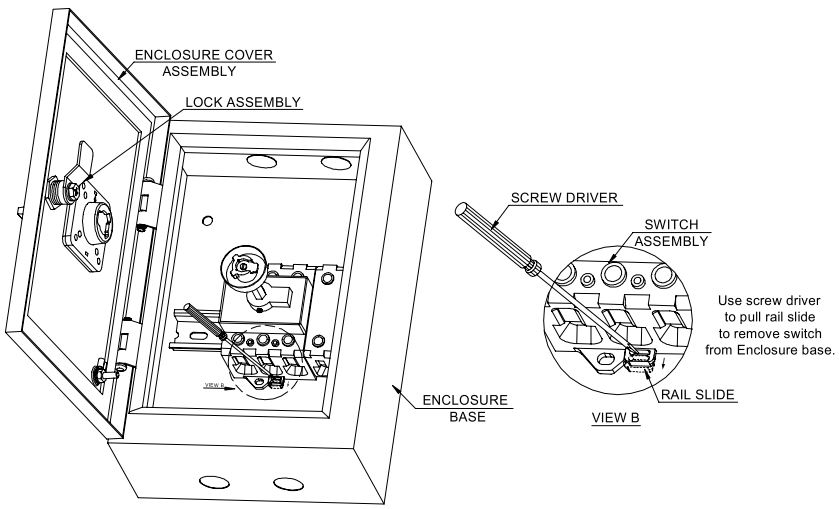
Features

- Switch Mounted in Stainless Steel Enclosure
- Round Padlocking device (Max. 3 Padlocks) to prevent the Switch from being made to ON by unauthorized personnel.
- Switch Rear mounted for easy connection.
- Door interlock-cover cannot open in ON condition
- Degree of protection : IP65
- Standard : IEC60947-3, EN60947-3, UL508
- Approvals : c UL us CE Intertek

Switching Program



Switch Mounting Detail



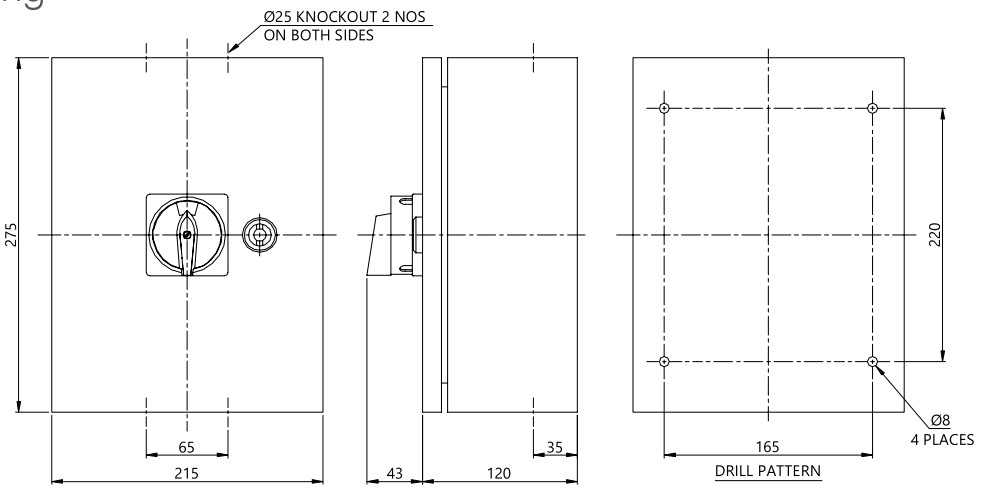
Technical Data

DATA	Measures	Units	Switch Code						
			LB225	LB232	LB240	LB263	LB4080	LB4100	LB4125
Rated Operational Voltage Ue	Volts	V	IEC 690 V / UL 600 V						
Rated uninterrupted current Iu	Amp	A	25	32	40	63	80	100	125
Rated operational current Ie									
AC-21A	Amp	A	32	40	63	80	80	100	125
AC-23A	Amp	A	25	32	40	63	80	100	125
Rated operational power at 50 to 60Hz									
AC-23A IEC/EN	380-440V	kW	22	22	45	45	90	90	90
AC-3 IEC/EN	380-440V	kW	15	15	30	30	55	55	55
Rated fused short circuit current	Amp	kA	30	30	30	30	30	30	30
Terminal Cross Section									
Single / multiple stand wire	Min-mm2		2.5	2.5	2.5	2.5	2.5	2.5	2.5
	Max-mm2		10	10	25	25	50	50	50

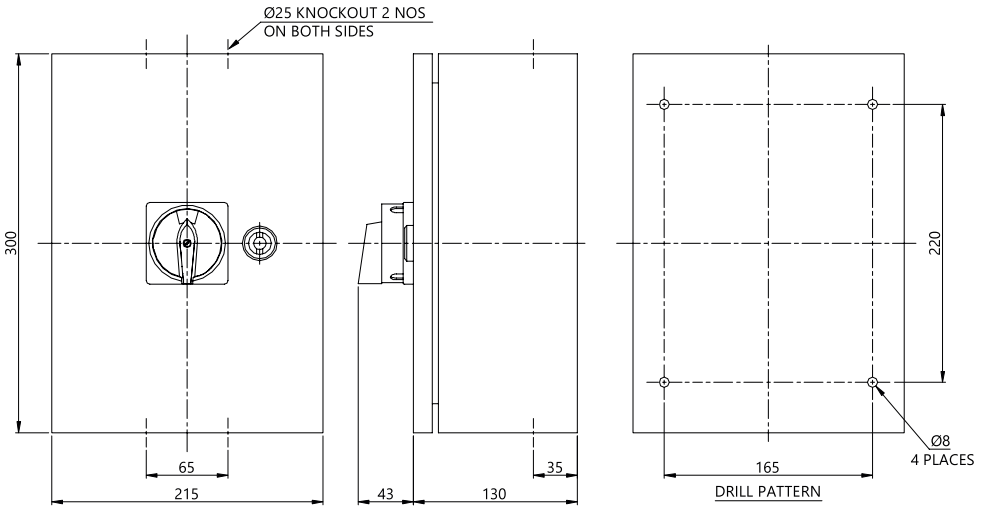
Ordering Code:
Switch Code + Switching Program + Model Number
Example : LB240 31409 SSB31M

Dimensional Drawing

SSB31M
25A TO 63A



SSB31L
80A TO 125A





Isolators - Side Operated Switch

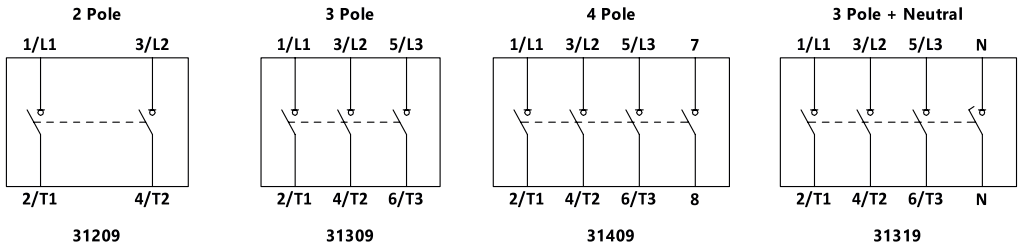
Aluminium Enclosure

20A - 40A

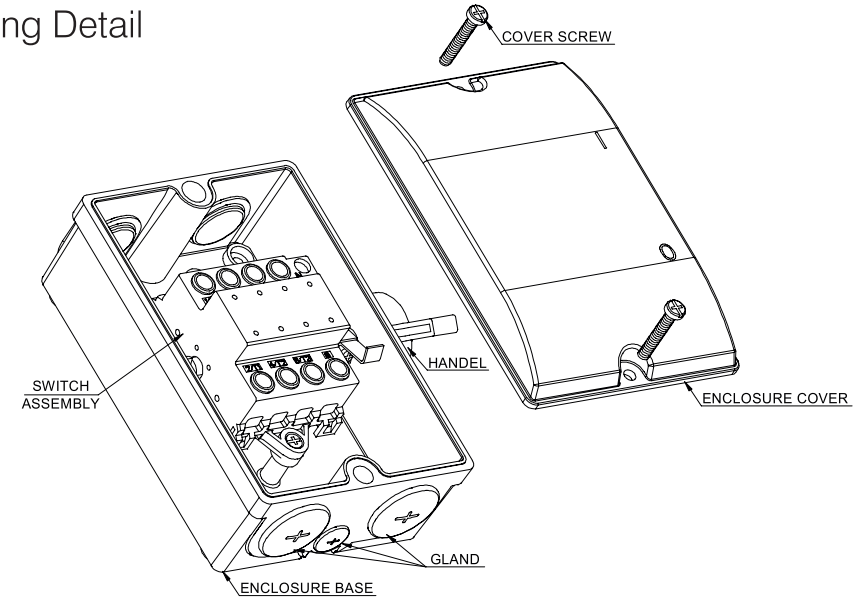
Features

- Switch Mounted in Aluminium Enclosure
- Degree of protection : IP65
- Enclosure Colour : Light Grey Base / Dark Grey cover (or) Dark Grey Base / Light Grey cover
- Standard: IEC60947-3

Switching Program



Switch Mounting Detail



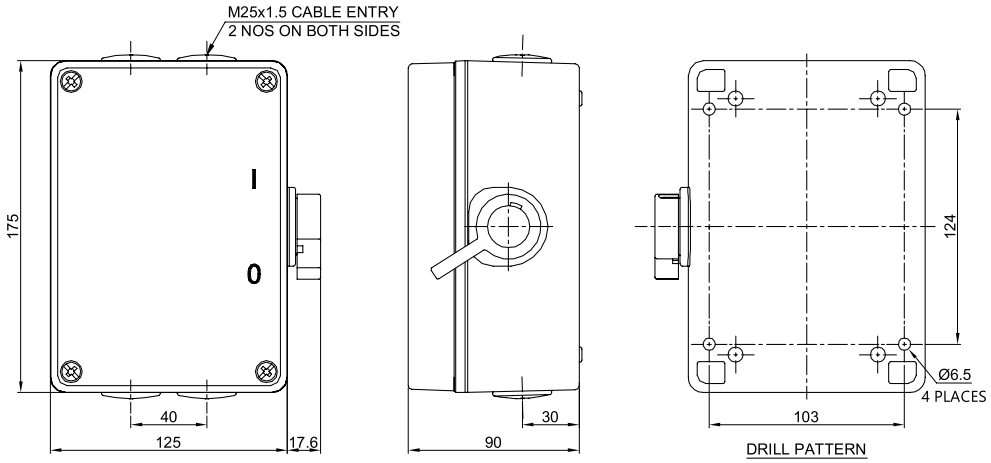
Technical Data

DATA	Measures	Units	Switch Code			
			LBS220	LBS225	LBS232	LBS240
Rated Operational Voltage Ue	Volts	V	IEC 690 V			
Rated uninterrupted current Iu	Amp	A	20	25	32	40
Rated operational current Ie						
AC-21A	Amp	A	20	25	32	40
AC-23A	Amp	A	16	20	20	20
Rated operational power at 50 to 60Hz						
AC-23A IEC/EN	400 (415) V	kW	9	11	15	15
Short circuit capacity (IEC/EN)						
Rated fused short circuit current	Amp	kA	25	25	25	25
Terminal Cross Section						
Single / multiple stand wire		Min-mm2	2.5	2.5	2.5	2.5
		Max-mm2	6	6	6	10

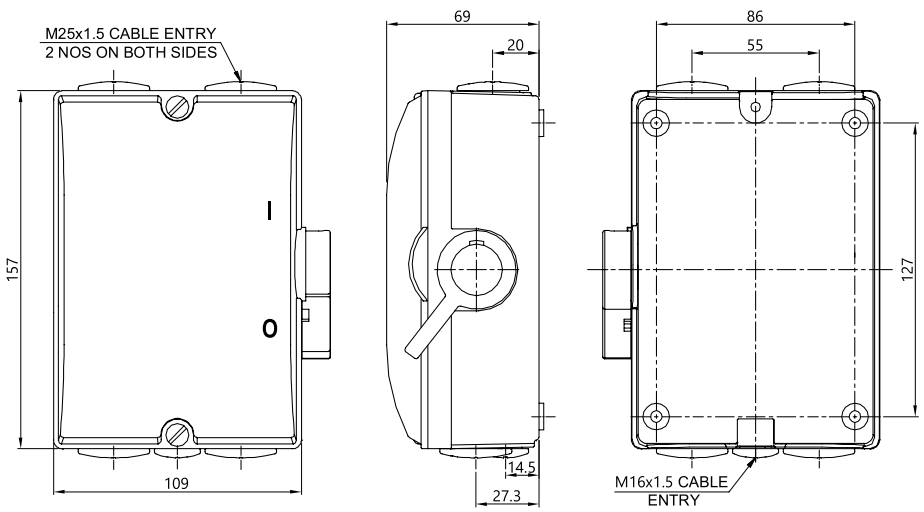
Ordering Code:
Switch Code + Switching Program + Model Number
Example : LBS240 31406 AB31M

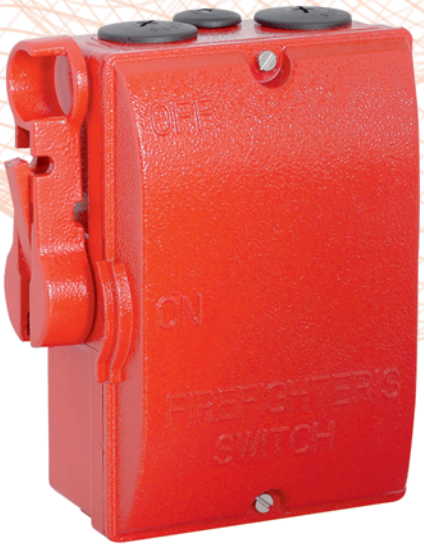
Dimensional Drawing

AB31M
40A



AB31SM
20A TO 32A



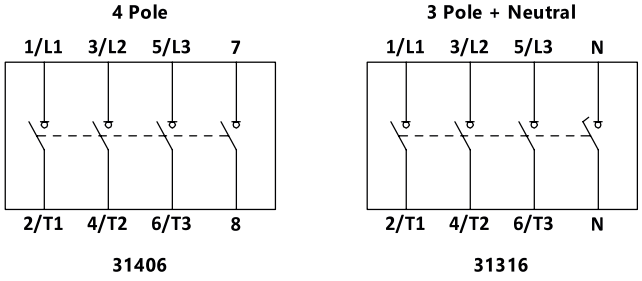


Isolator
Fireman
32A

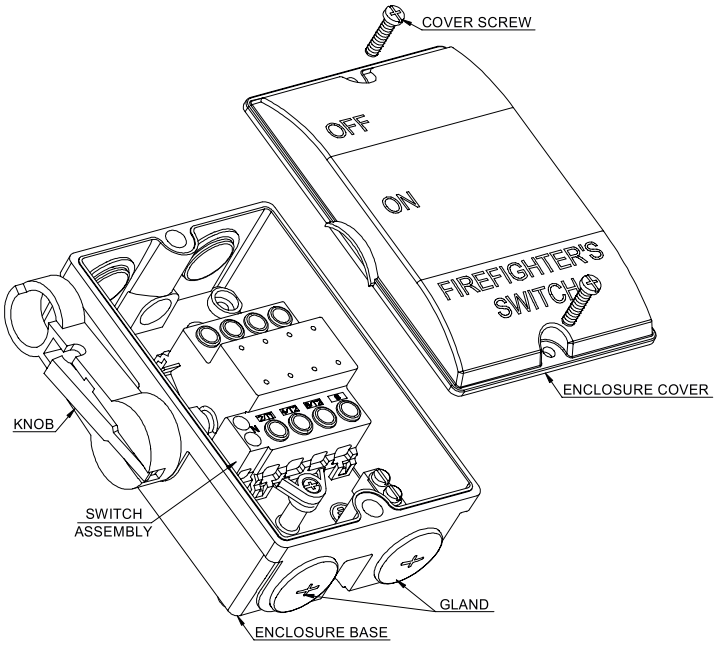
Features

- Switch Rear mounted for easy connection.
- Door interlock-cover cannot open in ON condition
- Degree of protection : IP65
- Enclosure Base / Cover : RED
- Standard : IEC60947-3

Switching Program



Switch Mounting Detail



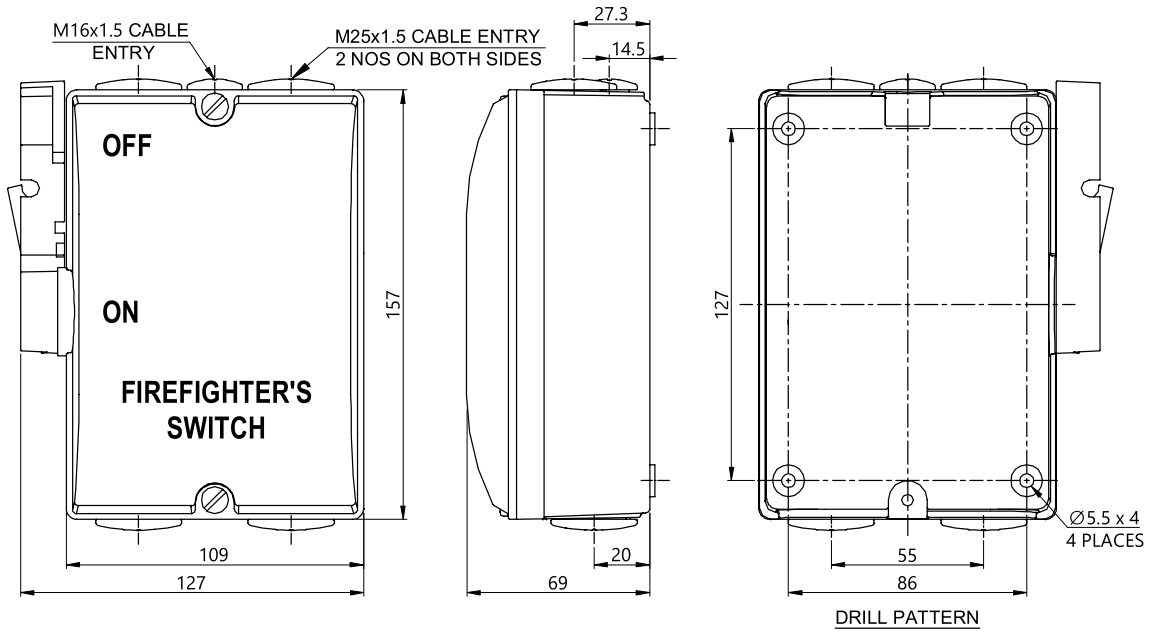
Technical Data

DATA	Measures	Units	Switch Code
			LBF232
Rated Operational Voltage Ue	Volts	V	IEC 690 V
Rated uninterrupted current Iu	Amp	A	32
Rated operational current Ie			
AC-21A	Amp	A	40
AC-23A	Amp	A	20
Rated operational power at 50 to 60Hz			
AC-23A IEC/EN	400 (415) V	kW	11
Short circuit capacity (IEC/EN)			
Rated fused short circuit current	Amp	kA	25
Terminal Cross Section			
Single / multiple stand wire		Min-mm2	2.5
		Max-mm2	6

Ordering Code:
Switch Code + Switching Program + Model Number
Example : LBF232 31406 AB31SM

Dimensional Drawing

AB31SM
32A





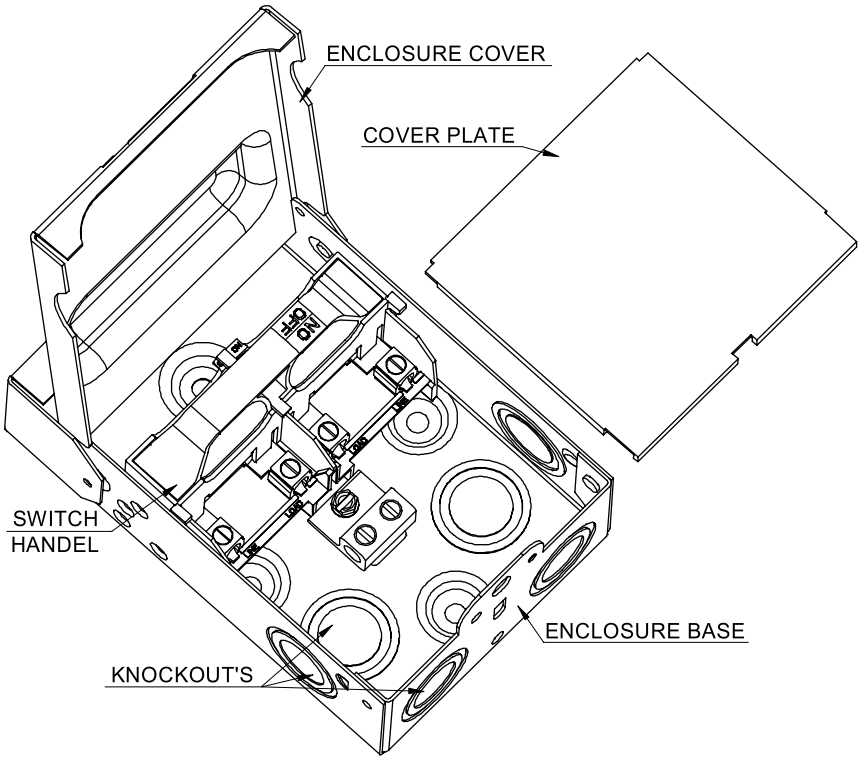
Pull Out Disconnects

30A & 60A

Features

- Single phase 2 wire 240V AC 30A & 60A
- Swing-up cover remains in place when cover is open
- Cover can be easily removed for Wiring & Mounting
- Pad locking provision available
- Rugged 3R outdoor rated lockable Metallic Enclosure Electro Coat Finish

Switch Mounting Detail



Technical Data

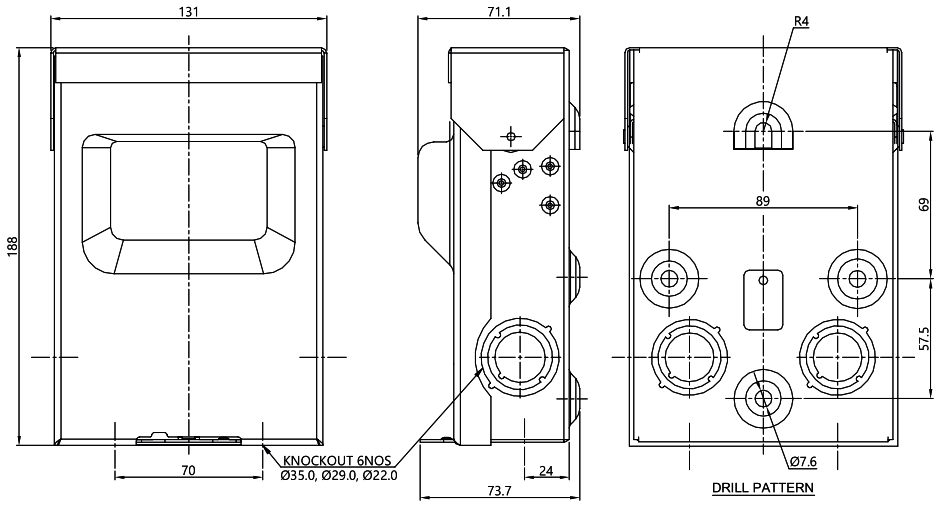
DATA	Measures	Units	W-PDS-F30A	W-PDS-F60A	W-PDS-N60A
Rated Operational Voltage	Volts	V	240	240	240
Rated current	Amp	A	30	60	60
Recommended fuse	Amp	A	30A-H, K	60A-H, K	-
Terminal Cross Section					
Single / multiple stand wire	AWG		14-8	14-8	14-8

W-PDS-N30A - Non fused not available under development

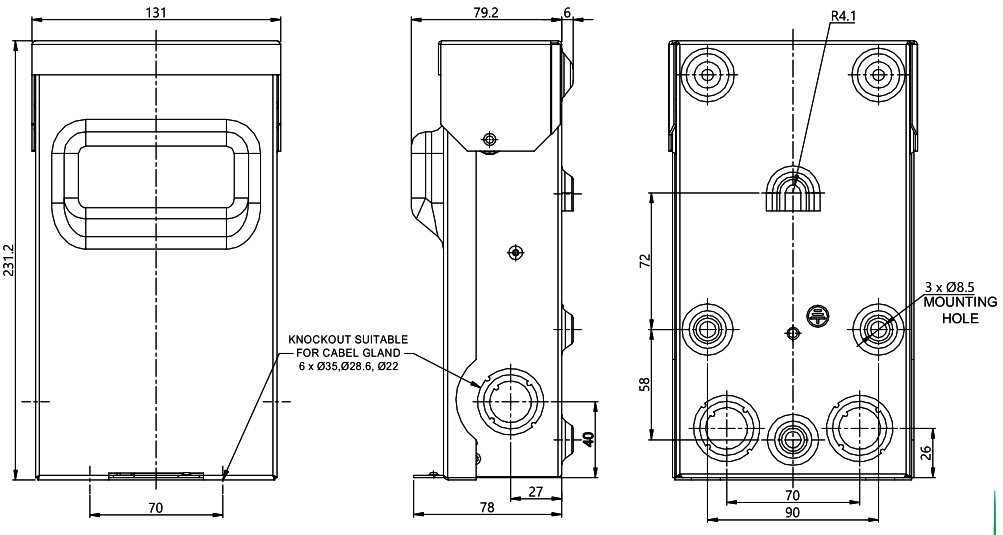
Ordering Code:
W PDS + Fused + 30Amps
W PDS + Non Fused + 60Amps
Example : W-PDS-F60A

Dimensional Drawing

W-PDS-F30A
W-PDS-N60A
30A & 60A



W-PDS-F60A
60A



Technical Data

DC Isolators Rating Table

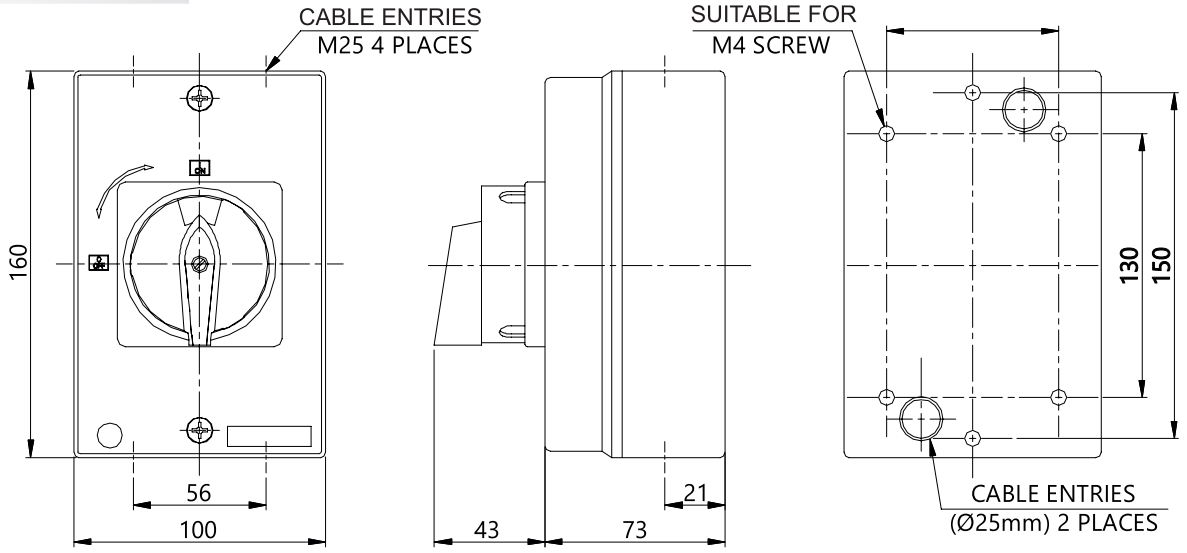
Switch Code	Configuration	Programme Code	IEC Rating 60947-3-DC21B & DCPV2			
			500V	700V	1000V	1500V
DCLB216	1 2	2 poles in series 30209	16	16	-	-
	1 2 3 4	2 poles in series + 2 parallel 30429	55	25	12	3
	1 2 3 4	4 poles in series 30409	25	25	25	20
DCLB225	1 2	2 poles in series 30209	20	20	–	–
	1 2 3 4	2 poles in series + 2 parallel 30429	63	32	16	4
	1 2 3 4	4 poles in series 30409	32	32	32	25
DCLB232	1 2	2 poles in series 30209	25	25	–	–
	1 2 3 4	2 poles in series + 2 parallel 30429	72	35	20	6
	1 2 3 4	4 poles in series 30409	40	40	40	32

Terminal Cross Section		Measure	DCLB216	DCLB225	DCLB232
Single / Multi Strand Wire	Min	mm²	2.5	2.5	2.5
	Max	mm²	10	10	16
Fine Strand Wire with Sleeve	Min	mm²	0.75	0.75	2.5
	Max	mm²	6	6	10
Recommended Tightening Torque for Terminals	-	Nm	1.7	1.7	2

Ordering Code:
Switch Code + Programme Code + Model Number
Example : DCLB216 + 30409 + B31SMX

Dimensional Drawing

B31SMX
16A - 32A





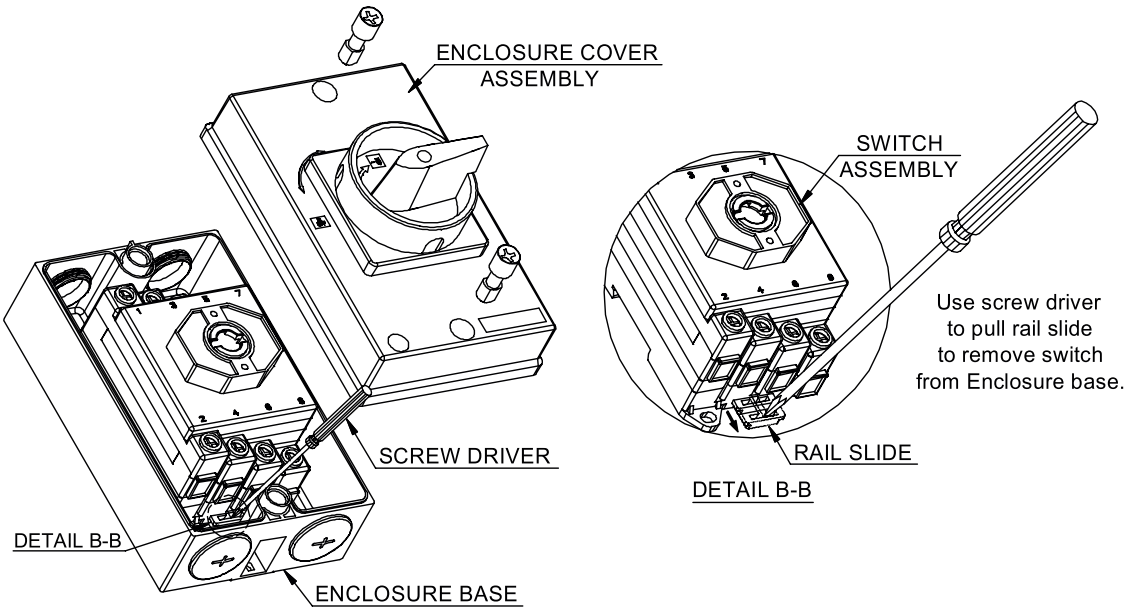
DC Load Break Switch

16A & 32A

Features

- Switch Mounted in UV Resistance Polycarbonate Enclosure.
- Round Padlocking device (Max. 3 Padlocks) to prevent the Switch from being made to ON by unauthorized personnel.
- 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 as per UL50 & Nema 250 (from front)
- Degree of protection : IP66
- Enclosure Colour : Light Grey Base / Dark Grey cover (or) Dark Grey Base / Light Grey cover
- Standard : IEC60947-3, IEC60947-1
- Approvals : c UL us CE TÜV

Switch Mounting Detail



Other Industrial Solutions....

- CONTROL GEAR COMPONENTS - Rotary Switches, Load Break switches, Photo Voltaic Isolators, Limit & Foot Switches, Cable Ducts, Terminal Connectors, Relays & Relay Modules, Plug & Sockets
- INDUSTRIAL COMPONENTS - Contactors & Overload Relays, Motor Protection Circuit Breaker
- MAGNETICS - Transformers & Chokes / Inductors / Reactors, Toroidal Transformers, CTs, Rogowski Coils
- WIRES & CABLES - Wire Harnesses



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