

# CONTROL SWITCHES

“L”  
S  
E  
R  
I  
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S



**csii**



## DISCONNECT SWITCHES

Control Switches International, Inc.

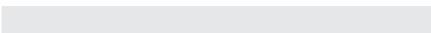
# INDEX

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## INDEX

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The CSII "L" Type Disconnect switches comply with the latest worldwide specifications for low voltage devices.

Outstanding electrical characteristics with their compact design provide space saving-installation and convenient operational procedures.

The "L" switch utilizes UL approved polyamide glass-filled materials which have excellent insulation values even under severe environmental conditions.

The special contact design and cable connections make it extremely reliable and will withstand high short circuit currents.

Rated Operational Voltage		Value		L16	L20	L25	L32	L40	L63	L80	L100	L125
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 Upto		Volts	V	750	750	750	750	750	750	750	750	750
Rated Impulse Withstand Voltage		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
<b>Rated Operational Current</b>												
IEC/EN/VDE	AC22	Amp	A	16	20	25	32	40	63	80	100	125
	AC-21A	Amp	A	16	20	25	32	40	63	80	100	125
	AC-1	Amp	A	16	20	25	32	40	80	80	100	125
UL/CSA		Amp	A	16	20	25	32	40	63	80	100	125
<b>Rated Operational Power at 50 to 60Hz (IEC/EN/VDE)</b>												
IEC/EN/VDE	AC-23A, 3 PHASE, 3 POLE	220-240V	kW	3	4	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
		500-690V	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
		500-690V	kW	5.5	7.5	11	11	18.5	22	30	37	45
<b>Short Circuit Capacity (IEC/EN/VDE)</b>												
Max. 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
<b>UL/CSA Power Rating: Manual Motor Controller, Suitable as Disconnect</b>												
DOL	3 PHASE, 3 POLE	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	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	0.5	1.5	2	3	3	3	3	3
		240V	HP	1.5	1.5	2	3	4	7.5	7.5	7.5	10
<b>Short Circuit Capacity (UL/CSA)</b>												
Max. Fuse Size		Amp	A	25	25	50	50	70	70	100	100	125
Fuse Rating, J Type		Amp	A	20	20	45	45	70	70	90	90	90
Rated Fused Short Circuit Current		Amp	kA	10	10	10	10	10	10	10	10	10
<b>Terminal Cross Section</b>												
Single/Multiple Strand Wire	Min-mm <sup>2</sup>		1.5	1.5	1	1	4	4	6	6	6	6
	Max-mm <sup>2</sup>		6	6	10	10	16	16	70	70	70	70
Flexible Multiple-Strand Wire with Sleeve	Min-mm <sup>2</sup>		0.5	0.5	0.75	0.75	2.5	2.5	4	4	4	4
	Max-mm <sup>2</sup>		6	6	6	6	10	10	50	50	50	50
American Wire Gauge		AWG	12	12	8	8	6	6	1	1	1	1
<b>Recommended Tightening Torque</b>		Nm	0.8	0.8	1.7	1.7	1.7	1.7	2.5	2.5	2.5	2.5

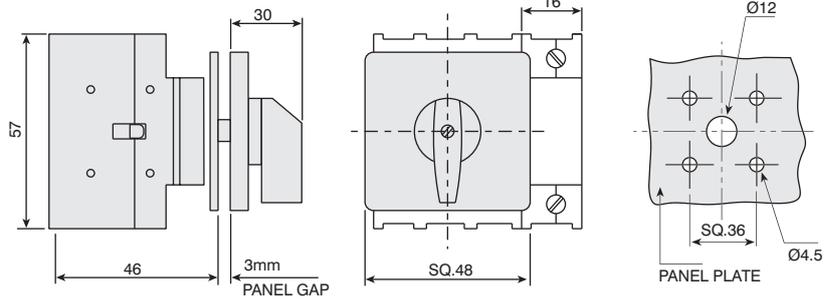
# SWITCHING PROGRAMMES

L16, L20, L25, L32, L40, L63					
<b>3 Pole</b>	<b>3 Pole + 1 Main Module</b>	<b>4 Pole + 1 Main Module</b>	<b>6 Pole</b>	<b>8 Pole</b>	
<b>300</b>	<b>400</b>	<b>500</b>	<b>600</b>	<b>800</b>	
<b>309</b>	<b>409</b>	<b>509</b>	<b>609</b>	<b>809</b>	
<b>3 Pole+ 1 Neutral Module</b>	<b>4 Pole+ 1 Neutral Module</b>	<b>3 Pole+ 1 Auxillary Module</b>	<b>4 Pole+ 1 Auxillary Module</b>	<b>3 Pole+ 2 Neutral Modules</b>	<b>3 Pole+ 2 Auxillary Modules</b>
<b>330</b>	<b>430</b>	<b>310</b>	<b>410</b>	<b>340</b>	<b>320</b>
<b>339</b>	<b>439</b>	<b>319</b>	<b>419</b>	<b>349</b>	<b>329</b>
L80, L100, L125					
<b>3 Pole</b>	<b>3 Pole + 1 Main Module</b>	<b>4 Pole + 1 Main Module</b>	<b>6 Pole</b>	<b>8 Pole</b>	
<b>309</b>	<b>409</b>	<b>509</b>	<b>609</b>	<b>809</b>	
<b>3 Pole+ 1 Neutral Module</b>	<b>4 Pole+ 1 Neutral Module</b>	<b>3 Pole+ 1 Auxillary Module</b>	<b>4 Pole+ 1 Auxillary Module</b>	<b>3 Pole+ 2 Neutral Modules</b>	<b>3 Pole+ 2 Auxillary Modules</b>
<b>339</b>	<b>439</b>	<b>319</b>	<b>419</b>	<b>349</b>	<b>329</b>
L25, L32, L40, L63, L80, L100, L125					
<b>3 Pole + 1 Non Switchable Neutral Module</b>	<b>4 Pole + 1 Non Switchable Neutral Module</b>				
<b>350</b>	<b>450</b>				
<b>359</b>	<b>459</b>				

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## 16A-20A



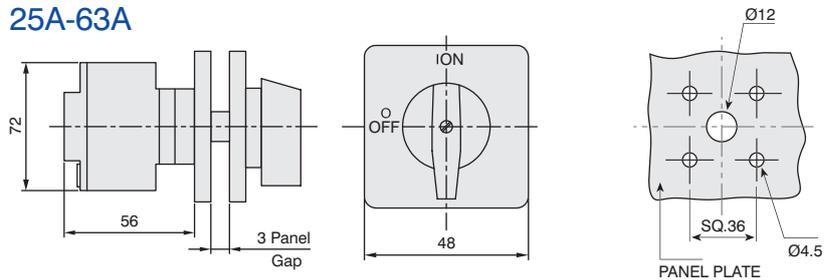
- 4 hole front panel mounting.
- Degree of protection : Front IP55.

- FIFTH POLE CAN BE FITTED ON THE OTHER SIDE OF THE SWITCH

Available color Options

- SB = Silver legend/black handle
- BB = Black legend/black handle
- YR = Yellow legend/red handle

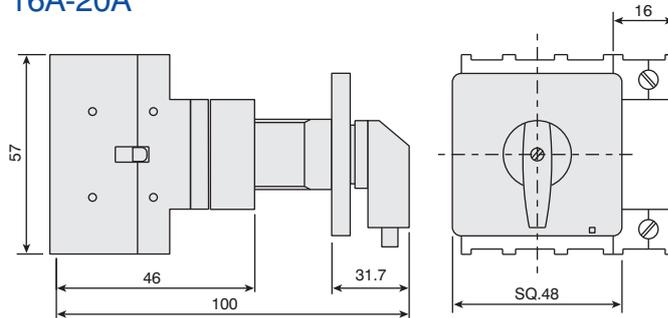
## 25A-63A



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## 16A-20A



- Dia 22.5mm, single hole panel mounting.

- Degree of protection : Front IP55.

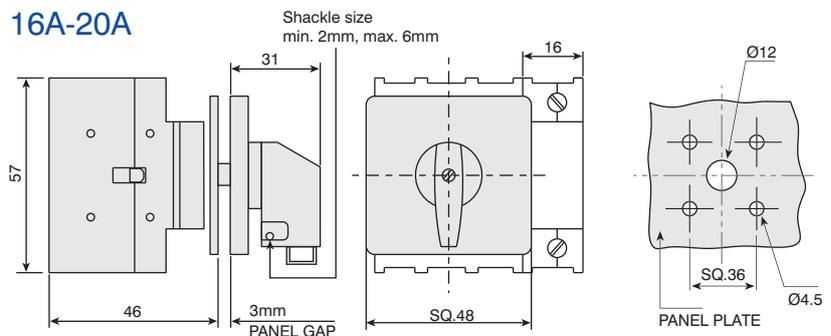
Available color Options

- SB = Silver legend/black handle
- BB = Black legend/black handle
- YR = Yellow legend/red handle

-40



## 16A-20A



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

- Switch with padlockable flag knob.
- Max. 1 padlock.

Available color Options

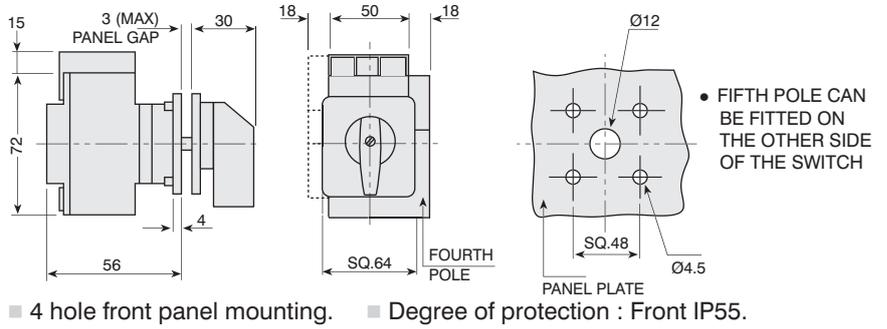
- SB = Silver legend/black handle
- YR = Yellow legend/red handle

# FRONT MOUNTING

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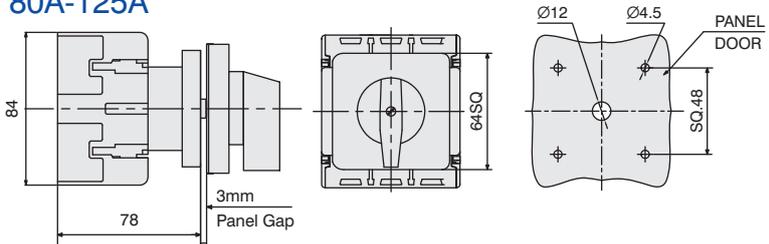


## 25A-63A

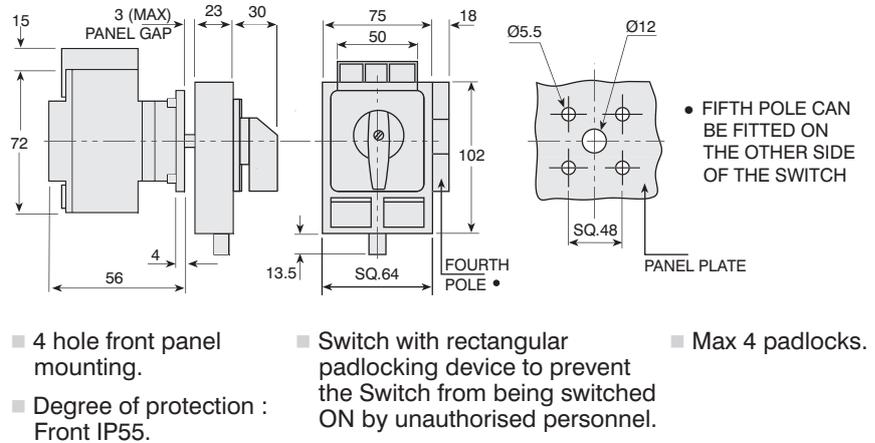


Available color Options  
 SB = Silver legend/black handle  
 BB = Black legend/black handle  
 YR = Yellow legend/red handle

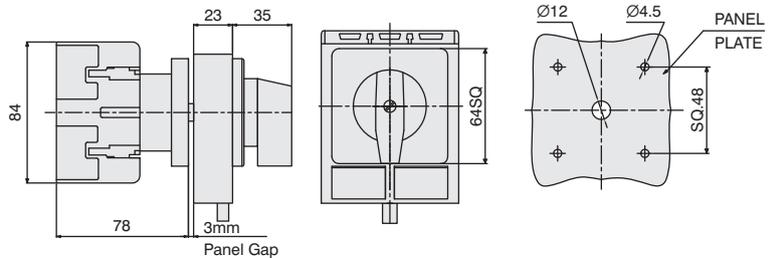
## 80A-125A



## 25A-63A



## 80A-125A

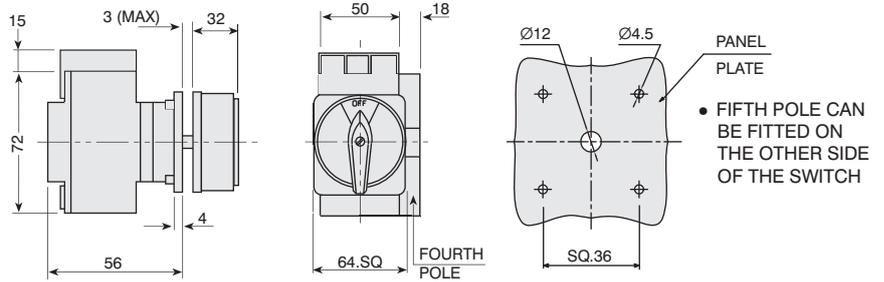


Available color Options  
 SB = Silver legend/black handle  
 BB = Black legend/black handle  
 YR = Yellow legend/red handle

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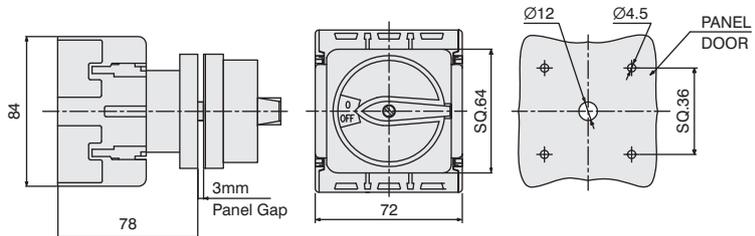


## 25A-63A



- 4 hole front panel mounting, sq. 36mm.
- Degree of protection : Front IP 65.
- Switch with round padlocking device to prevent the Switch from being switched ON by unauthorised personnel.
- Max 3 padlocks.

## 80A-125A

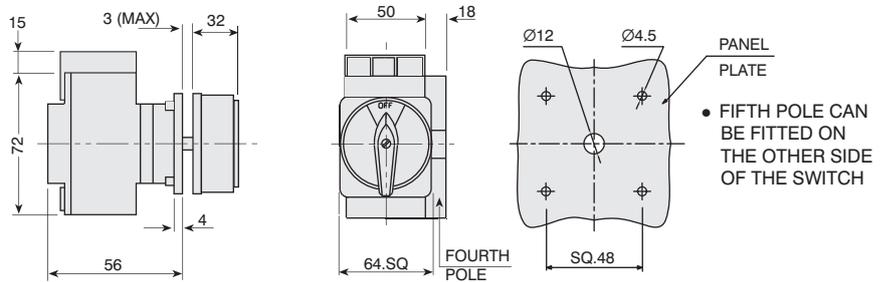


Available color Options  
 BB = Black legend/black handle  
 YR = Yellow legend/red handle

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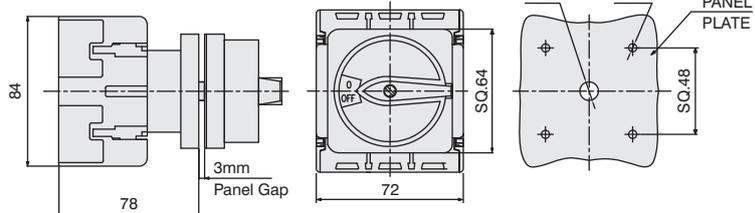


## 25A-63A



- 4 hole front panel mounting, sq. 48mm.
- Degree of protection : Front IP 65.
- Switch with round padlocking device to prevent the Switch from being switched ON by unauthorised personnel.
- Max 3 padlocks.

## 80A-125A



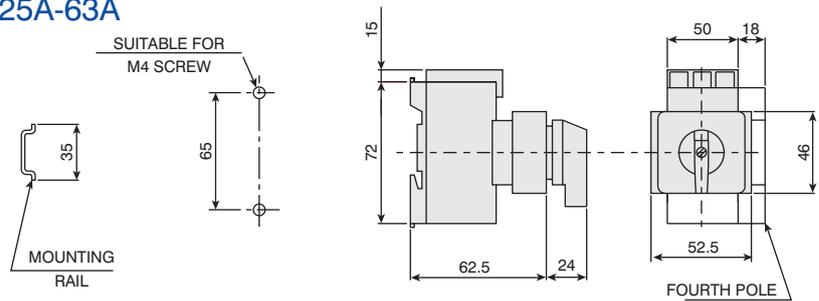
Available color Options  
 BB = Black legend/black handle  
 YR = Yellow legend/red handle



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## 25A-63A



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

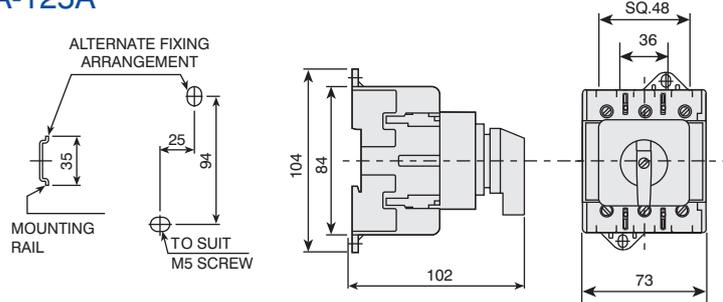
Available color Options

SB = Silver legend/black handle

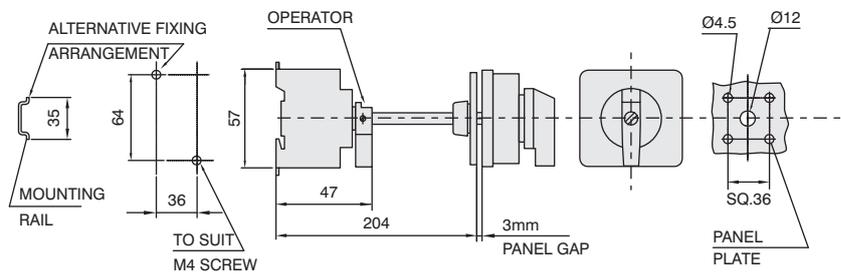
BB = Black legend/black handle

YR = Yellow legend/red handle

## 80A-125A



## 16A-20A



- 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 IP55.

- Maintenance Handle offered for switching ON, when panel is open, for testing purpose. For sketch of Maintenance Handle, please refer diagram on page 8.

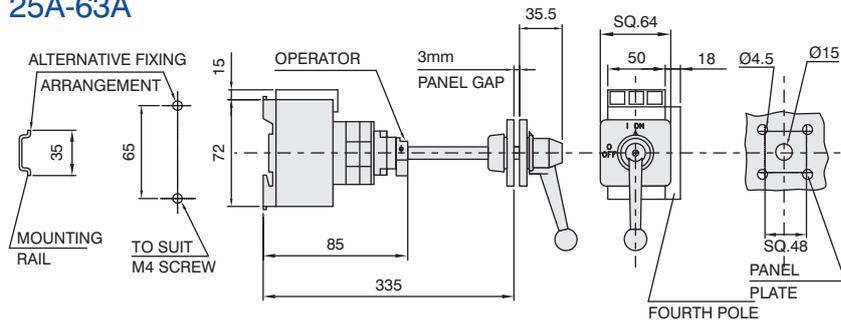
Available color Options

SB = Silver legend/black handle

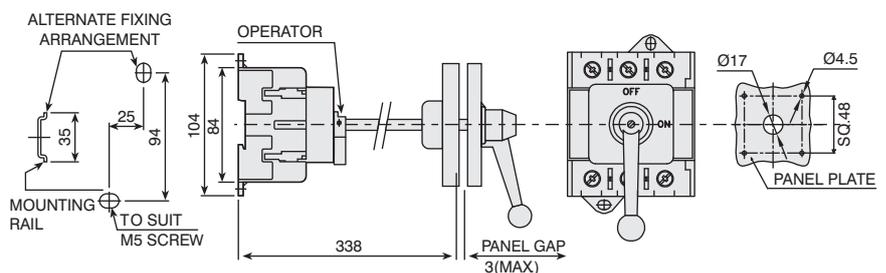
BB = Black legend/black handle

YR = Yellow legend/red handle

## 25A-63A



## 80A-125A

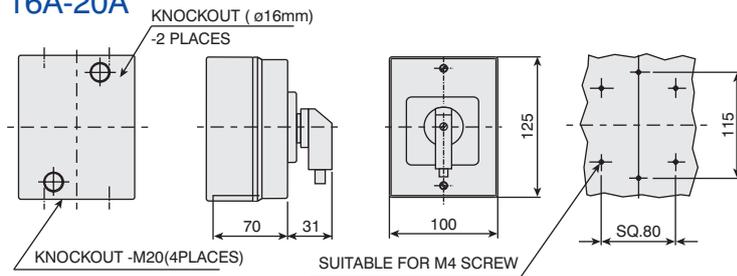




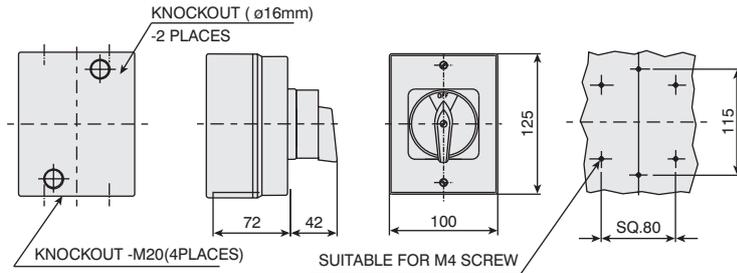
## -31SM



### 16A-20A



### 25A-32A



- 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.

- Degree of protection : IP65.
- Enclosure colour : Dark grey base and light grey cover.
- RED / YELLOW-handle colour for MAIN / EMERGENCY Switches.
- Fourth pole can be added.

Available color Options

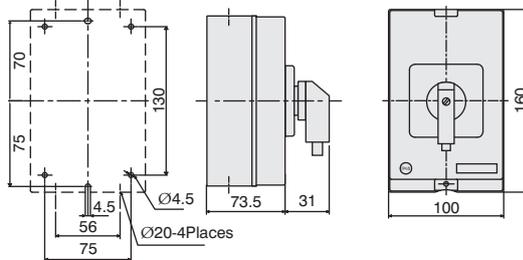
BB = Black legend/black handle

YR = Yellow legend/red handle

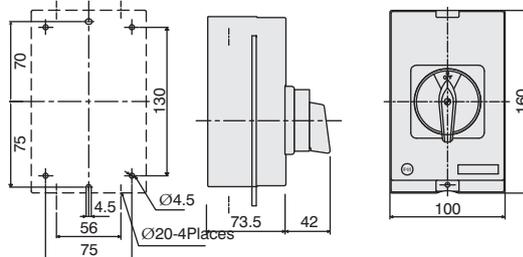
## -31SMF



### 16A-20A



### 25A-40A



- Switch mounted in ABS enclosure, optional in polycarbonate.
- Sleek design with more wiring space.
- Single screw fitment of cover for easy mounting.
- Round padlocking device (max. 3 padlocks) to prevent the Switch from being made to ON by unauthorised personnel.

- Degree of protection : IP65.
- Enclosure colour : Dark grey base and light grey cover, as standard.
- Switch rear mounted for easy connection.
- Fourth and Fifth pole can be added.
- RED / YELLOW-handle colour for MAIN / EMERGENCY Switches.

Available color Options

BB = Black legend/black handle

YR = Yellow legend/red handle

# PLASTIC ENCLOSURE MOUNTING

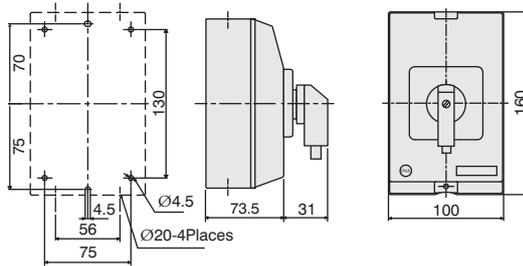
-31SMT



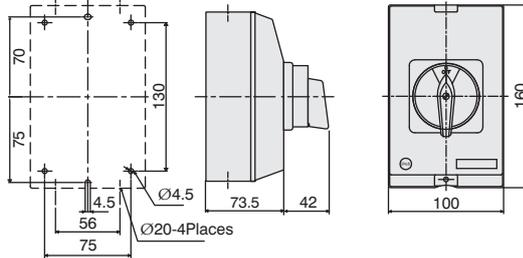
Available color Options  
 BB = Black legend/black handle  
 YR = Yellow legend/red handle

- Switch mounted in ABS / polycarbonate (optional) enclosure.
- Sleek taper design with more wiring space.
- Single screw fitment of cover for easy mounting.
- Padlocking device (max. 3 padlocks) to prevent the Switch from being

16A-20A



25A-40A



made to ON by unauthorised personnel.

- Degree of protection : IP65.
- Switch rear mounted for easy connection.

- RED / YELLOW-handle colour for MAIN / EMERGENCY Switches.
- Interlock provided to open the lid only in OFF position.
- Enclosure colour : Dark grey base and yellow cover.

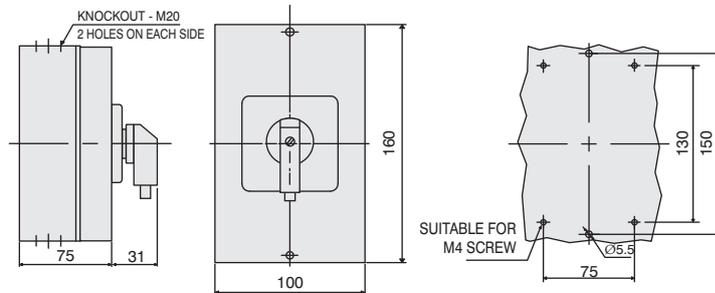
-31SMX



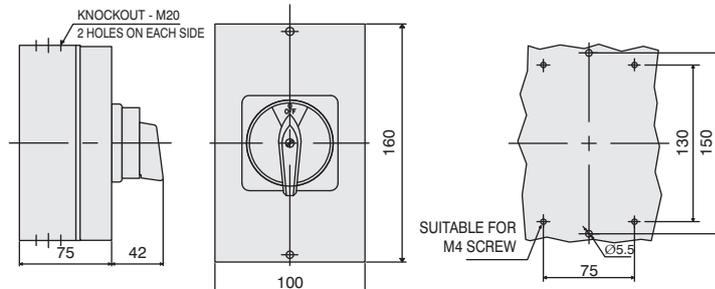
Available color Options  
 BB = Black legend/black handle  
 YR = Yellow legend/red handle

- Switch mounted in ABS enclosure, optional in polycarbonate.
- Sleek design with more wiring space.
- Two ABS screws for easy cover fitment.

16A-20A



25A-40A



- 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.

- RED / YELLOW-handle colour for MAIN / EMERGENCY Switches.
- Enclosure colour : Dark grey base and light grey cover.
- Fourth and Fifth pole can be added.



# METAL ENCLOSURE MOUNTING

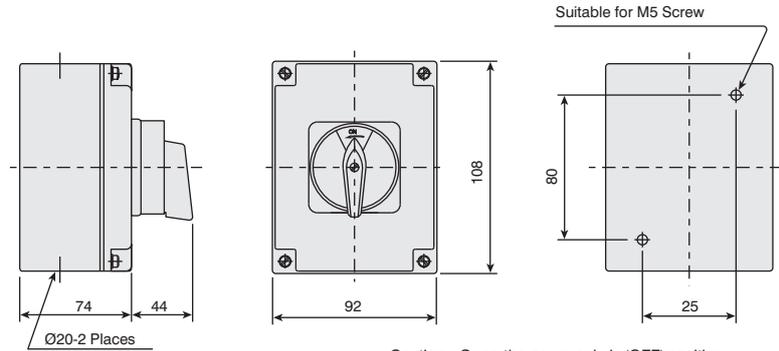
## -A31S



Available color Options  
 BB = Black legend/black handle  
 YR = Yellow legend/red handle

- Switch mounted in aluminium enclosure.

### Upto 25A



Caution : Open the cover only in 'OFF' position

- Round padlocking device (max. 3 padlocks) to prevent the Switch from being made to ON by unauthorised personnel.
- Degree of protection : IP53.
- RED / YELLOW-handle colour for MAIN / EMERGENCY Switches.
- Enclosure colour : Dark grey base and light grey cover.

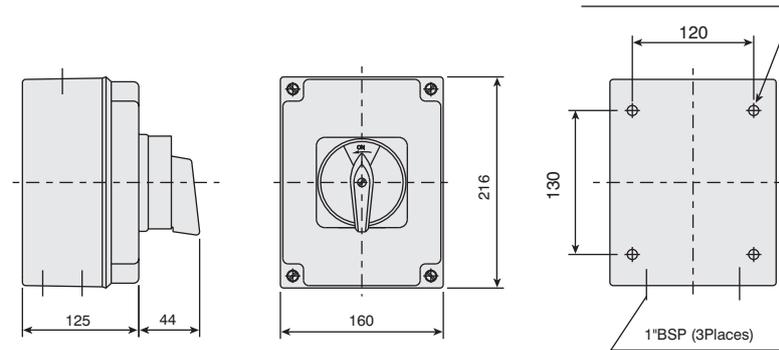
## -A31M



Available color Options  
 BB = Black legend/black handle  
 YR = Yellow legend/red handle

- Switch mounted in aluminium enclosure.

### 32A-63A



Caution : Open the cover only in 'OFF' position

- Round padlocking device (max. 3 padlocks) to prevent the Switch from being made to ON by unauthorised personnel.
- Degree of protection : IP53.
- RED / YELLOW-handle colour for MAIN / EMERGENCY Switches.
- Enclosure colour : Dark grey base and light grey cover.
- Fourth pole can be added.

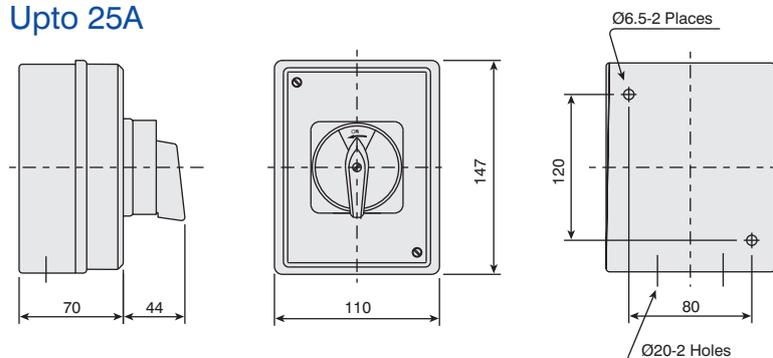
## -S31S



Available color Options  
 BB = Black legend/black handle  
 YR = Yellow legend/red handle

- Switch mounted in Steel enclosure.

### Upto 25A



Caution : Open the cover only in 'OFF' position

- 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.



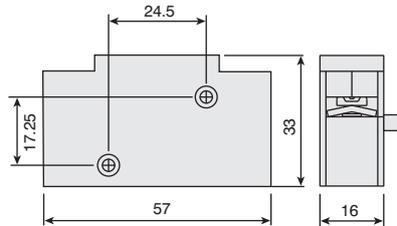
# ACCESSORIES

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

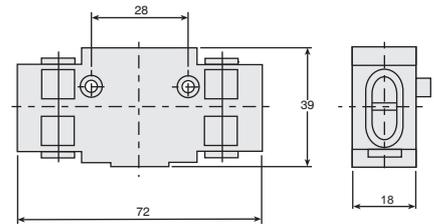


- Equivalent switch electrical rating
- Used as 4th/5th pole on either side of the switch

For Switch Code	Code for Front Mounting Switch	Code for Rear Mounting Switch
L16	MC-20F	MC-20R
L20		



For Switch Code	Code for Front Mounting Switch	Code for Rear Mounting Switch
L25	MC-25F	MC-25R
L32	MC-32F	MC-32R
L40	MC-40F	MC-40R
L63	MC-63F	MC-63R

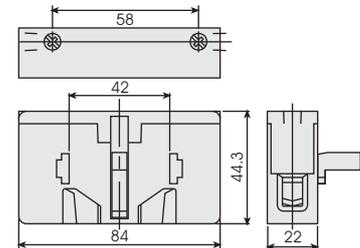


## ADD ON MAIN POLE (80A-125A)



For Switch Code	Code for Front Mounting Switch	Code for Rear Mounting Switch
L80	MC-80F	MC-80R
L100	MC-100F	MC-100R
L125	MC-125F	MC-125R

- 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

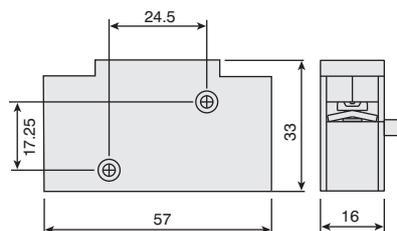
either side of the switch can be used to switch on any single phase requirements simultaneously.

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

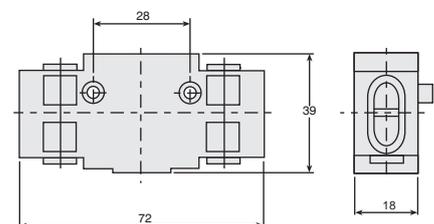


- Early make late break contact.
- Can be fitted on either side of the switch.

For Switch Code	Code for Front Mounting Switch	Code for Rear Mounting Switch
L16	N-F-O	N-R-O
L20		



For Switch Code	Code for Front Mounting Switch	Code for Rear Mounting Switch
L25	N-F	N-R
L32		
L40		
L63		



### Applications

To be used as Neutral Conductor to the switch.

## ADD ON NON SWITCHABLE NEUTRAL POLE (16A-125A)

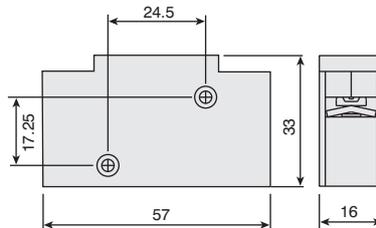


- Non Switchable Neutral offers economical solution
- Can be fitted on either side of the switch.

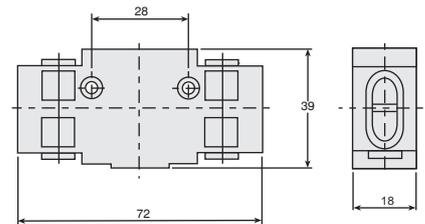
### Applications

To be used as neutral conductor to the switch.

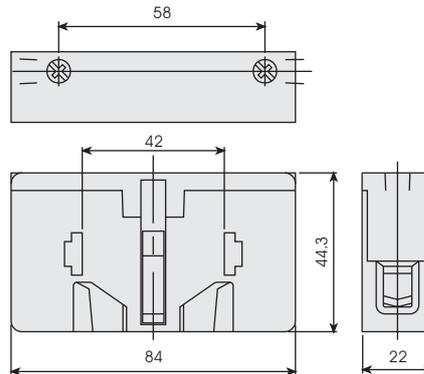
	For Switch Code	Code for Front Mounting Switch	Code for Rear Mounting Switch
	L16	N-NS-F-O	N-NS-R-O
	L20		



	For Switch Code	Code for Front Mounting Switch	Code for Rear Mounting Switch
	L25	N-NS-F	N-NS-R
	L32		
	L40		
	L63		



	For Switch Code	Code for Front Mounting Switch	Code for Rear Mounting Switch
	L80	N-NS-F-2	N-NS-R-2
	L100		
	L125		



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

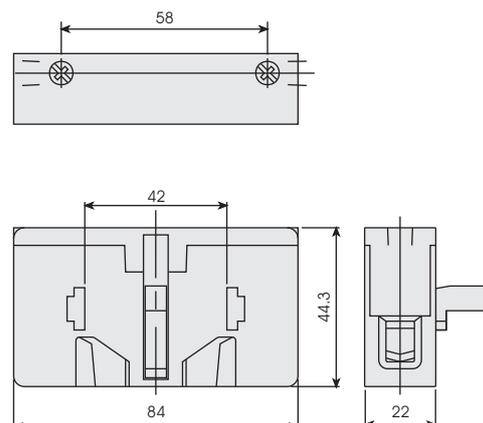


- Early make late break contact.
- Can be fitted on either side of the switch.

### Applications

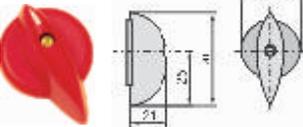
To be used as Neutral Conductor to the switch.

	For Switch Code	Code for Front Mounting Switch	Code for Rear Mounting Switch
	L80		
	L100	N-F-2	N-R-2
	L125		

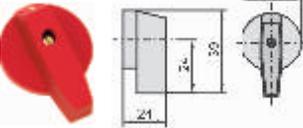




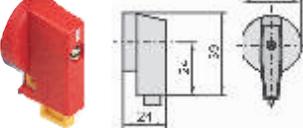
**KNOBS & HANDLES**

	CODE	TYPE
	TD	Tear Drop Knob
	A	B C D
TD <sup>1</sup>	27	41 25 21
TD	36	52 31 25

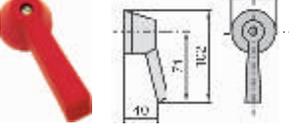
  

	CODE	TYPE
	FL	Flag Knob
	A	B C D
FL <sup>1</sup>	27	39 24 24
FL	36	50 27 25

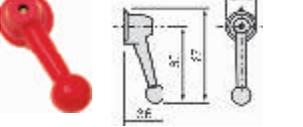
  

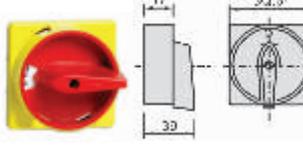
	CODE	TYPE
	FP	Flag Knob Padlockable

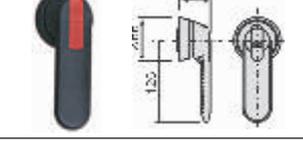
	CODE	TYPE
	PG	Pistol Grip Handle

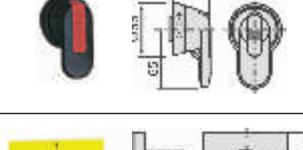
	CODE	TYPE
	BG	Ball Grip Handle

	CODE	TYPE
	RD	Round Knob, Padlockable

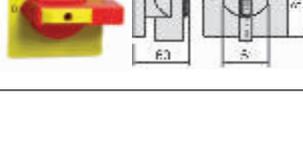
  

	CODE	TYPE
	RH	Roll Handle, Padlockable

	CODE	TYPE
	SH	Short Handle, Padlockable

	CODE	TYPE
	LH	Leech Handle, Padlockable

**LB SWITCHES: KNOB/HANDLE AND MOUNTING OPTIONS**

MOUNTING	L16	L20	L25	L32	L40	L63	L80	L100	L125
-03	FL <sup>1</sup> , TD <sup>1</sup>	FL <sup>1</sup> , TD <sup>1</sup>	FL <sup>1</sup> , TD <sup>1</sup>	FL <sup>1</sup> , TD <sup>1</sup>	FL <sup>1</sup> , TD <sup>1</sup>	FL <sup>1</sup> , TD <sup>1</sup>	-	-	-
-19	FP, FL <sup>1</sup> , TD <sup>1</sup>	FP, FL <sup>1</sup> , TD <sup>1</sup>	-	-	-	-	-	-	-
-40	FP	FP	-	-	-	-	-	-	-
-13	-	-	FL, PG, BG	FL, PG, BG	FL, PG, BG	FL, PG, BG	FL, PG, BG	FL, PG, BG	FL, PG, BG
-30	-	-	TD, FL	TD, FL	TD, FL	TD, FL	TD, FL	TD, FL	TD, FL
-33	-	-	RD	RD	RD	RD	RD	RD	RD
-63	-	-	TD, FL	TD, FL	TD, FL	TD, FL	TD, FL	TD, FL	TD, FL
-23	-	-	TD, FL	TD, FL	TD, FL	TD, FL	FL	FL	FL
-34	FP	FP	SH, RD, LH, RH	SH, RD, LH, RH	SH, RD, LH, RH	SH, RD, LH, RH			
-42	FL <sup>1</sup>	FL <sup>1</sup>	BG, PG,	BG, PG,	BG, PG,	BG, PG,	BG, PG,	BG, PG,	BG, PG,
-A31S, -S31S	RD	RD	RD	RD	RD	RD	-	-	-
-31SM, -31SMF, -31SMT, -31SMX	FP	FP	RD	RD	RD	RD	-	-	-
-31M, -A31M, -S31M	-	-	RD	RD	RD	RD	-	-	-
-31L	-	-	-	-	-	-	RD, LH, BG, RH	RD, LH, BG, RH	RD, LH, BG, RH

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

**L SWITCHES: KNOB/HANDLE, ENCLOSURE MOUNTING OPTIONS**

ENCLOSURE MOUNTING		-31M	-31L	-S31S	-S31M	-S31L	-A31S	-A31M
Knob/Handle	RD, FP	RD	RD, LH	RD, BG, PG, LH	RD, LH BG, PG	LH, BG PG, RD	RD, FL BG, PG	RD, LH BG, PG

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

Please refer to us for other than above combinations.

All dimensions in mm.

# CHANGEOVER SWITCHES

## SWITCHING PROGRAMS

CODE : CO3 3 POLE CHANGEOVER

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

CODE : CO4 4 POLE CHANGEOVER

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

### Features

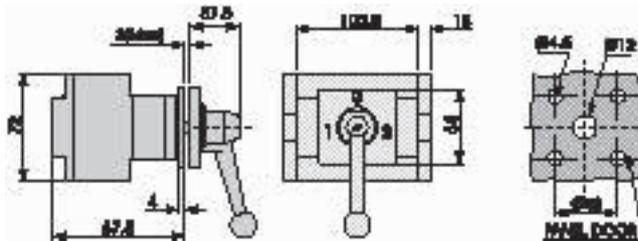
- 25A - 125A, 3 and 4 Pole, AC 23 duty.
- Available with and without SS enclosure.
- Different mounting options.
- Excellent switching performance.
- High short circuit capacity.
- Door interlock and padlock available.
- Provides adequate space for cable termination and very convenient for installation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

-13



Available color Options  
 SB = Silver legend/black handle  
 BB = Black legend/black handle  
 YR = Yellow legend/red handle

### 25A-63A, Front Mounting

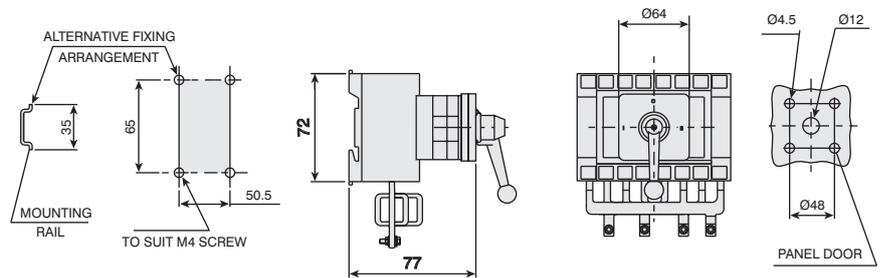


- 4 hole front panel mounting.
- Degree of protection : Front IP55.

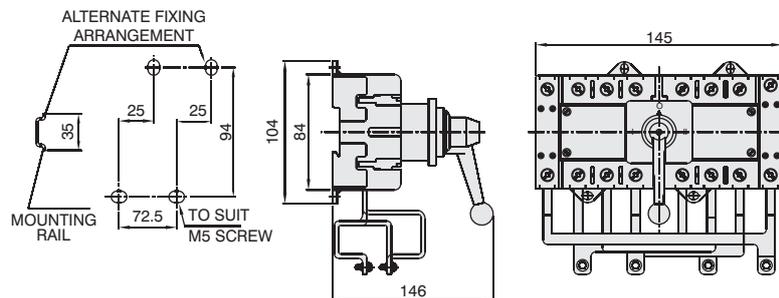
-21



### 25A-63A, Rear Mounting



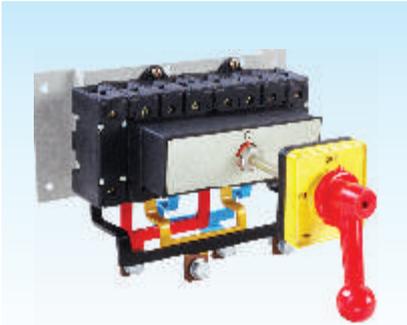
### 80A-125A, Rear Mounting



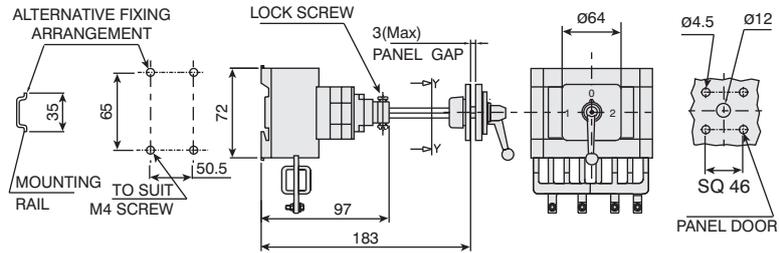
Available color Options  
 SB = Silver legend/black handle  
 BB = Black legend/black handle  
 YR = Yellow legend/red handle

- 4 hole rear mounting.
- Degree of protection : Front IP55.

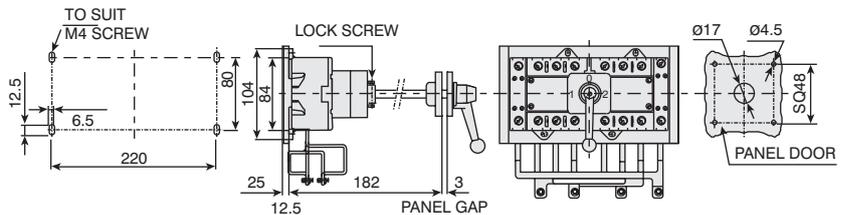
-42



## 25A-63A, Rear Mounting



## 80A-125A, Rear Mounting

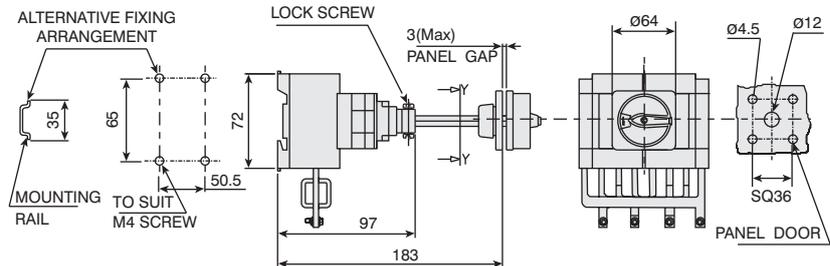


Available color Options  
 SB = Silver legend/black handle  
 BB = Black legend/black handle  
 YR = Yellow legend/red handle

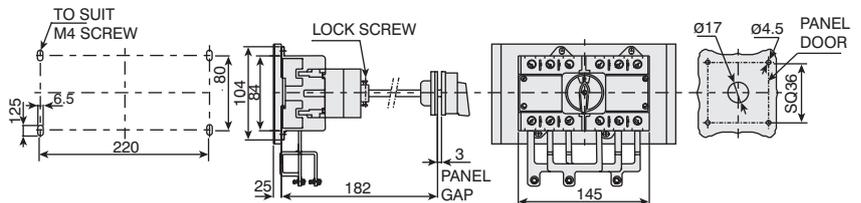
-34



## 25A-63A, Rear Mounting



## 80A-125A, Rear Mounting



Available color Options  
 SB = Silver legend/black handle  
 BB = Black legend/black handle  
 YR = Yellow legend/red handle

- 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

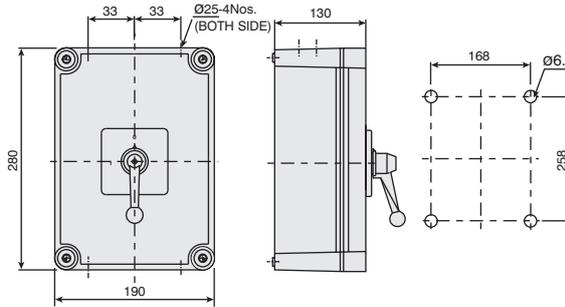
- 25A - 125A, 4 Pole, AC 23 duty.
- Range available : 3 Pole Changeover - CO3, 3 Pole + Neutral Pole Changeover - CO4
- Powder coated steel enclosure with separate earthing or IP65, ABS enclosure having interlock to open the lid only in OFF position for safety.
- Colour : Yellow front plate and Red ball grip handle

-31L



Available color Options  
BB = Black legend/black handle  
YR = Yellow legend/red handle

25A-63A



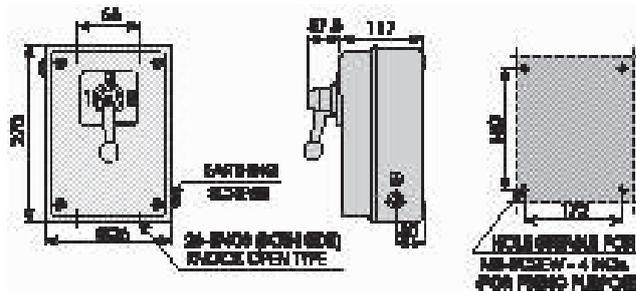
- Switch mounted in grey ABS/ Polycarbonate optional enclosure
- with IP65 protection and interlock provided to open the lid in OFF position.

-S31



Available color Options  
BB = Black legend/black handle  
YR = Yellow legend/red handle

25A-63A



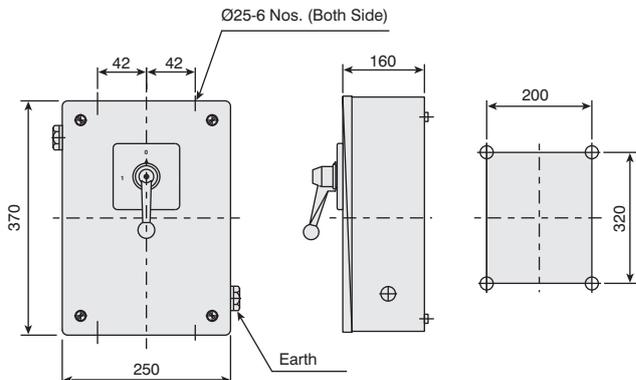
- Powder coated steel enclosure.
- Interlock provided to remove cover only in 'OFF' position for safety.
- Separate earthing provided.
- Colour : Yellow front plate and Red ball grip handle / grey front plate and Black ball grip handle.

-S31XL



Available color Options  
BB = Black legend/black handle  
YR = Yellow legend/red handle

80A-125A



- Powder coated steel 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.

## CHANGEOVER SWITCHES: KNOB/HANDLE AND MOUNTING OPTIONS

MOUNTING	L25	L32	L40	L63	L80	L100	L125
-13	PG, <b>BG</b>	PG, <b>BG</b>	PG, <b>BG</b>	PG, <b>BG</b>	-	-	-
-34	<b>RD</b>	<b>RD</b>	<b>RD</b>	<b>RD</b>	<b>RD</b>	<b>RD</b>	<b>RD</b>
-42	PG, <b>BG</b>	PG, <b>BG</b>	PG, <b>BG</b>	PG, <b>BG</b>	PG, <b>BG</b>	PG, <b>BG</b>	PG, <b>BG</b>
-21	<b>BG</b> , PG	<b>BG</b> , PG	<b>BG</b> , PG	<b>BG</b> , PG	PG, <b>BG</b>	<b>BG</b> , PG	<b>BG</b> , PG
-S31	<b>BG</b> , PG	<b>BG</b> , PG	<b>BG</b> , PG	<b>BG</b> , PG	-	-	-
-S31XL	-	-	-	-	<b>BG</b> , PG	<b>BG</b> , PG	<b>BG</b> , PG
-31L	<b>RD</b> , <b>BG</b>	<b>RD</b> , <b>BG</b>	<b>RD</b> , <b>BG</b> , PG	<b>RD</b> , <b>BG</b> , PG	-	-	-

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

## Ordering Information

Size	# Poles	Aux.	Off Position	Mounting Color Code
L16	3 pole	0 = none	9 = 9:00	03SB03BB 03YR
L20	4 pole	1 = 1no 1nc	0=12:00	19SB 19BB 19YR
L25	5 pole	2 = 2no 2nc		40SR ---- 40YR
L32	6 pole	3 = 1 neutral		13SB 13BB 13YR
L40	7 pole	4 = 2 neutral		30SB 30BB 30YR
L63	8 pole	5 = 1 neutral		---- 33BB 33YR
L80		nonswitchable		---- 36BB 36YR
L100				23SB 23BB 23YR
L125				42SB 42BB 42YR
				---- 34BB 34YR
<b>Enclosed Units:</b>				
				31SMBB 31SMYR
				31SMFBB 31SMFYR
				31SMTBB 31SMTYR
				31SMXBB 31SMXYR
				31MBB 31MYR
				31LBB 31LYR
				A31SBB A31SYR
				A31MBB A31MYR
				S31SBB S31SYR
				S31MBB S31MYR
				S31LBB S31LYR

### Example:

L16-309-03SB = 16 amp 3 pole 9:00 starting position panel mount with silver legend and black handle.  
 L100-410-33YR = 100 amp 4 pole + 1NO 1NC aux starting position 12:00 with a round padlock, yellow background, red handle.

Control Switches International leads the industry in supplying rotary cam switches and disconnect switches in the United States. Our innovative products deliver the highest level of quality, unsurpassed product support and service.

Need a custom switch? Control Switches supplies both custom and standard switches for your application.

Our unique Cam Switch Assembly Department empowers us to service all our customers' special needs as they arise.

Our UL508 Value Added Department supplies you with wired and custom enclosed units for your requirements.

Contact Control Switches, the Switch Experts, for all your switch needs!

### Features

- Double Break Contacts
- Compact & Reliable
- High Short Circuit Capacity
- Secure Terminal Connections
- Metal Shaft is Standard
- Shaft Drilled & Tapped
- Din Rail Option Standard
- Fingerproof Protection
- Plastic or Steel Enclosures
- Add-on Power Contacts
- Add-on Neutral
- Add-on Auxiliary Contacts
- Terminal Cover Provided
- Horsepower Rated
- OSHA Approved



### Typical Applications

- Manual Motor Controller
- Multipole Disconnects
- Manual Transfer Switches
- Fused Disconnects
- Isolation of Electronics
- Start & Stop Motors
- Power Switching
- On Load Switching

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**csii**