



Changeover Switches

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Introduction – Changeover Switches

Changeover Switches (With & without fuses)

Changeover Switch with fuse

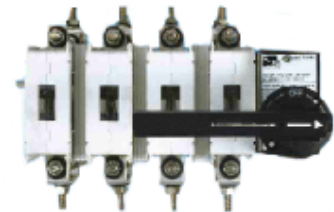
- 3 & 4 Pole Compact Switch Disconnector Fuse Changeover (125A – 800A)
- 3 & 4 Pole Switch Disconnector Fuse Changeover with Conventional Changeover mechanism (32A - 800A)



Changeover Switch with fuse

Changeover Switch without Fuse

- 3 & 4 Pole Compact Load Break switch without fuse (63A – 3150A), 415V, 50Hz.
- 3 & 4 Pole Changeover Load Break Switch without fuse (with conventional mechanism (32A-3150A), 415V, 50Hz.



Changeover Switch without Fuse

Range

4 pole On Load Changeover Switches, conforms to IEC 60947 Pt. 3 and IS 13947 Pt. 3, and are available from 32A to 3150A and AC23 rated. All of them can also be offered in 3 pole construction also. The 4th pole is always identical to main poles thus incorporating same contacts & rating and operated by same shaft & mechanism. Hence any pole can be inter-changeably used as Neutral.

Some of the ratings can also be offered in other combination -2 pole, 6 pole or 8 pole, etc.

Variety

We offers various types of Changeovers, made out of 2 four pole Switches coupled and mechanically interlocked by operating mechanism, always ensuring that under no condition, 2 sources become parallel.

The choice of the design is left to the customer –

Side by side mounted Switches on a frame with single handle operating mechanism,

One above the other or sandwiched type

Also offered are Unique Special application products like –

Compact By - Pass Switches,



Changeover Switches

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Compact Switch Disconnector Fuse Changeover with 1 set of Fuse requiring very small panel space

Modular Construction

Unlike other designs C&S Changeovers incorporate unit pole construction hence the Switch construction is Modular. This enables optimally required number of poles as per the application requirement. It also enables easy replacement of only the effected pole in case of flashover. While all rating have 4 breaks per phase, higher rating switches have Knife type self cleaning contacts. This arrangement has automatic increase of Contact Pressure with increase of Current, have separate Arcing & Current carrying surfaces, and Arc chutes for effective arc quenching.

Easy Installation

The LOAD and the 2 SOURCES can be mounted on any side of the switch, making them suitable for any type of mounting - Top cable entry or Bottom cable entry without rotating the switch inside the panel. Shorting links or Bridging Bars are provided as standard.

Changeovers saves lot of time and efforts in installation due to simple 4 hole mounting, permitting last minute rotation of switches inside the panel / enclosure without any additional drilling. Telescopic shaft arrangement saves time in switch alignment with door and saves cost by eliminating mounting brackets in the enclosure.

Full range is available in both the versions - as Interiors for mounting in Panels or in SS Enclosure for Wall / independent mounting.

Safety

Higher rating Changeovers come with inter - phase barrier as standard and the Insulating material used is superior grade Glass Filled Polymer. The Handle comes with Door Inter-Lock mechanism and can be Pad locked in OFF position. On request, this can made to Pad lockable in I and II positions also.

Accessories

A host of Accessories are offered along with them as per the customer choice to suit the installation requirement and enhance the Safety - Auxilliary Contacts, Key Lock, Castle Lock, Terminal Shrouds, etc.

Applications

These Changeovers are fit for use in applications like –

- Main Service Entrance Switch from Transformers & Busbars,
- AC or DC Power Distribution System,
- Switching & Isolating Motors,
- Switching & Isolating Capacitors,
- Switching & Isolating Industrial Control Equipment,
- AC or DC Safety Switch