

(Shown with optional Load interrupting device)

FEATURES

- 600 A, 40 kA rating
- Copper current carrying parts.
- Silver-to-silver, high pressure wiping contacts.
- Braidless current transfer at hinge end.
- Meets or exceeds "ANSI" requirements.
- Weatherproof, corrosion resistant bearings.
- Extra rigid base.
- Can be fitted with load break device.
- Easily erected.
- Easily adjusted.

DESCRIPTION

The **MindCore Technologies** CSB-6 is a 600 Amp horizontal side break switch. It has two stacks of insulators: the fixed stack supports the jaw; the other stack supports the blade and rotates to operate the switch. The blade swings through 70 degrees, either clockwise or counter clockwise, in a plane parallel to the switch base.

APPLICATION

The CSB-6 switch is a versatile, multi-use switch which can be used in substations for isolating, by-passing or sectionalizing. It is also commonly used as a line sectionalizer, a line tap-off switch or as a selector switch when a load is supplied by a preferred and an alternate feeder.

CSB-6

The three poles can be arranged in the conventional horizontal upright arrangement or in a vertical, inverted, or semi-inverted configuration. Because the blade travels in a plane parallel to the base, overhead clearances are minimal.

Load break devices are also available and can be supplied when specified.

CONTACTS AND BLADE

The male contact of each phase consists of a bronze casting incorporating the contact and the terminal pad in one piece, eliminating any bolted current transfer points. The contact surfaces are silver overlaid by brazing .043 rounded silver strips to the casting. The female contacts are silver plated, with contact pressure ensured by stainless steel coil compression springs. The movement of the contacts engaging gives a wiping action that cleans the contact surfaces.

TERMINAL PADS

Both 2 hole and 4 hole "NEMA" terminal pads are available at both the hinge and jaw ends of the "CSB-6" 600 amp.

INSULATORS

The CSB-6 switch is supplied with grey station post insulators. Other types can be accommodated on request.

BEARINGS

The bearing assembly has two double sealed stainless steel ball bearings permanently lubricated in a weather resistant aluminum alloy housing.

BASES

A rigid base is essential to good switch operation. When rigidity is lacking, difficulty can be experienced keeping the switch properly adjusted. For these reasons, **MindCore Technologies** switch bases are built with exceptional rigidity.

Standard width switch bases have mounting hole centres of 3" (76mm) or 8 1/4" (210mm), the switch bases are fabricated by forming 1/4" or 6mm steel plate into a rigid base.

Other types can be accommodated on request.

OPERATING CONTROLS

Controls are normally arranged to allow positive over-centre toggle, locking in both the open and the closed positions. The CSB-6 switch may be operated either manually or by a motor operator.

A côté du photo: CSB-6 shown integrated with an EPF power fuse assembly

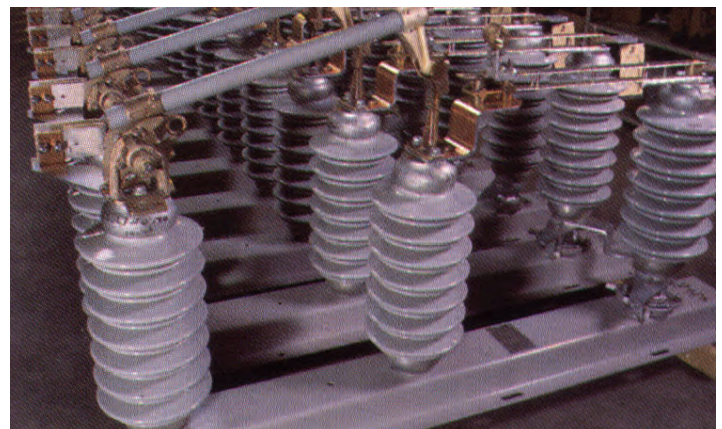
GROUND SWITCH

A three pole ground switch may be fitted to either end of an CSB-6 switch. This switch features high momentary, high pressure contacts and a copper blade. The ground switch can be positively interlocked with the main CSB-6 switch to prevent inadvertent grounding of the circuit.

FIELD ADJUSTMENTS

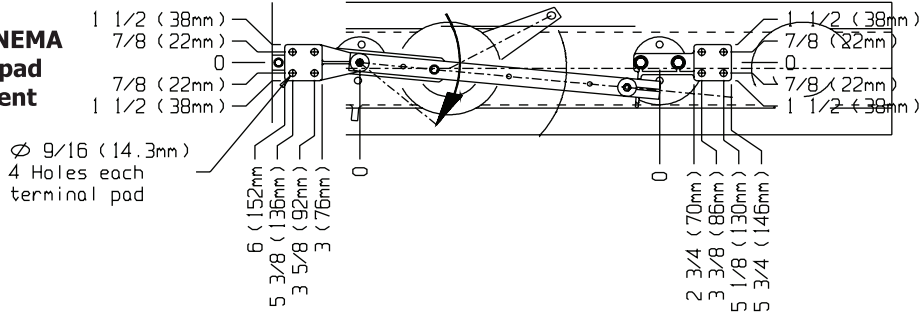
To the user the cost of a switch includes erection and adjustments. **MindCore Technologies** has done everything possible to make this work simple and time saving. Each single pole has easily adjustable bearing stops. All switches rated 69 kV have insulator jacking bolts to align the insulator stacks. The controls also have been designed to simplify and speed up the installation process.

A unique feature to this switch is the ease of field conversion from left or right hand operation to the opposite. The symmetry of the hinge assembly, the ease of changing the male contact terminal from one hand to the other by unbolting it from the insulator and flipping it over, and the ability to change the drive arm angle without unbolting the insulator from the bearing makes the CSB-6 the universal switch.

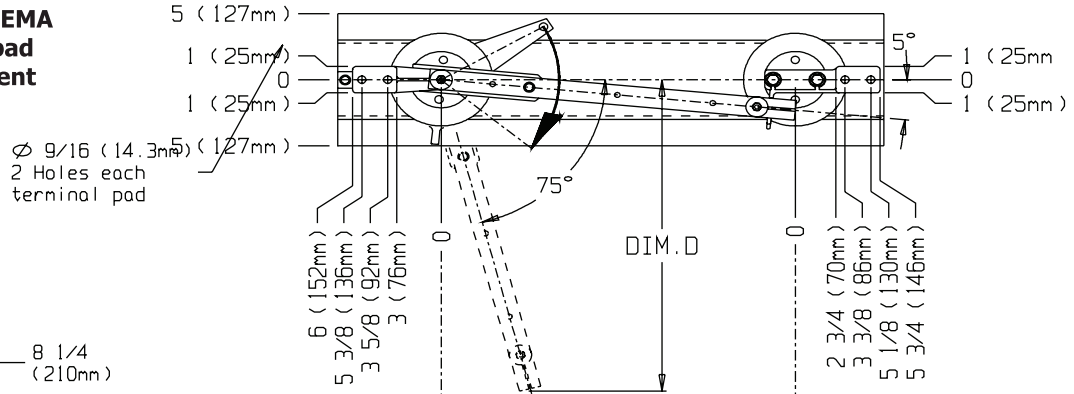




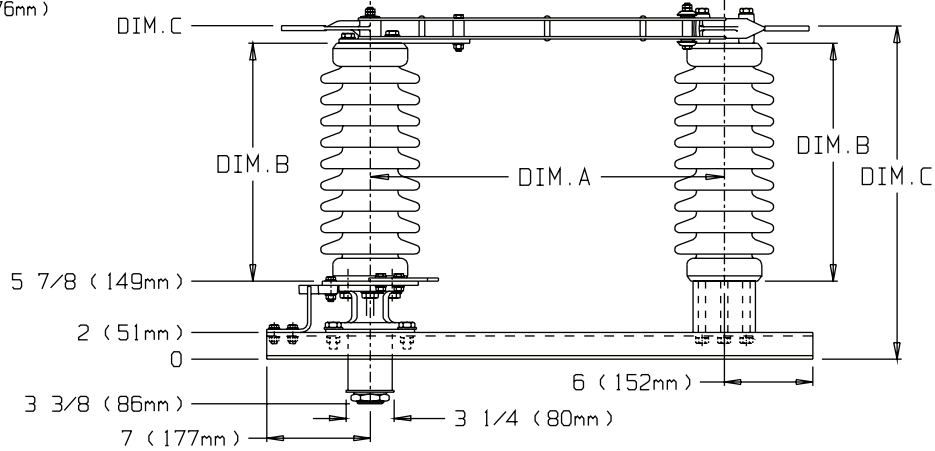
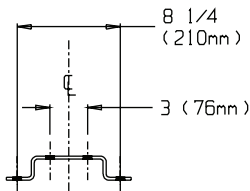
Four Hole NEMA terminal pad arrangement



Two Hole NEMA terminal pad arrangement



Typical Section Through Switch Base



Ratings						Dimensions & Weights									
KV.			Amperes		Insulat or T.R. No.	Dim. A		Dim. B		Dim. C		Dim. D		Single Pole Weight	
Nom.	Max.	BIL.	Cont.	MOM(kA)		Inches	mm	Inches	mm	Inches	mm	Inches	mm	Lbs	kg.
7.5	8.25	95	600	40	202	15.75	390	7.5	191	14.68	373	15.55	395	85	39
15	15.5	110			205			10	254	17.18	436			92	42
23	25.8	150			208	18	457	14	356	21.18	538	17.73	450	126	57
34.5	38	200			210	24	610	18	457	25.18	640	23.54	598	157	71
46	48.3	250			214	30	762	22	559	29.18	741	29.35	745	199	90
69	72.5	350			216	42	1067	30	762	38.94	989	40.97	1041	289	131