



SMC & DMC SUPPORTS & INSULATORS / NEUTRAL LINK

MATRIX
Power Saver
COMPONENTS

Salient Features:

- High die electric and mechanical strength & temperature withstand capacity
- Inserts are made of EN1A having better tensile strength as compared to MS & Brass (e.g. EN1A- 600 MPa, MS-300MPa, Brass - 150MPa)
- Insulators are available in SMC suitable up to 80KA (CPRI Tested) and DMC Suitable up to 25KA
- Identification of manufacturer/size on each support
- Less combinations of mounting hole center to center distances, for common mounting
- Matrix offers hexagonal insulators having below mentioned merits
 - o More creepage distance hence longer travel path for electric arc over surface
 - o Symmetrical on both ends hence equal stress on both ends
 - o Hexagonal Rib in center for holding the insulator to ensure proper tightness from both ends

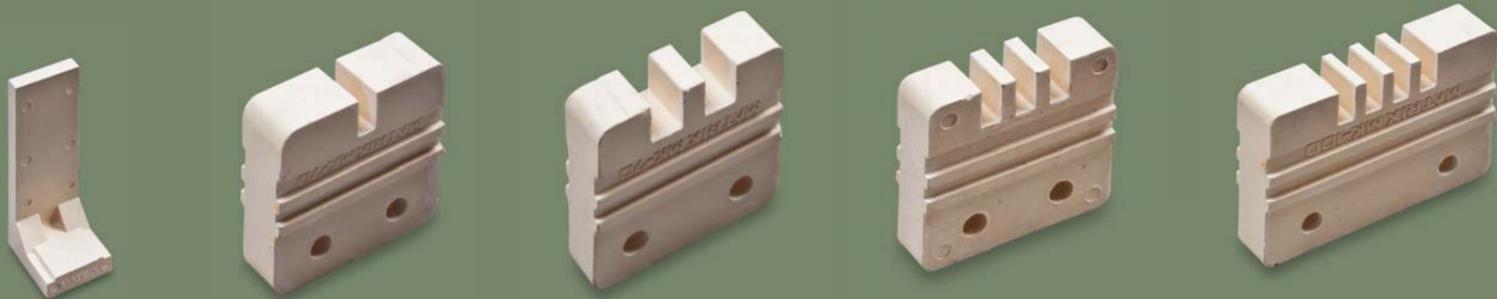
All Switch gear & Electrical panels are combination of current carrying conductors & non current carrying structure. To separate & support the current carrying busbars from the structure, busbar supports & Insulators are used. These supports insulators should be designed to bear electrical & mechanical stress during the normal & fault conditions. They should also comply other features like Nonhygroscopic, Fire Retardant, Chemical&Corrosion Resistance Matrix busbar supports & insulators are made of SMC (Sheet Moulded Compound)/ DMC (Dough Moulded Compound), manufactured with a combination of resin and other additives under controlled temperature and pressure, to produce components with excellent around properties and characteristics.



HEXAGONAL INSULATORS



CONICAL INSULATORS



NEUTRAL LINK

Salient Features:

- SMC material used for high die electric and mechanical strength & temperature withstand capacity
- Ease in operating the neutral link at the time of CT shorting
- Copper used for better current carrying capacity



AVAILABLE IN 32 AMPS & 100 AMPS