

ERIP insulated bushing with capacitive grading layers

Typ/Type:	ISOBUS MB
Application:	>3,6 kV - 52 kV, - 7000 A
Insulation:	ERIP
Degree of protection:	IP30-IP54 Indoor IP54-IP68 Outdoor
Remark:	Single phase capsulated

ISOBUS MB is an Epoxy Resin Impregnated Paper (ERIP) insulated bushing with capacitive grading layers embedded through the insulation and a concentric earth layer. The earth layer is directly connected to the flange. (Fig. 1)

ISOBUS MB is designed and manufactured according to exactly the same principles as ISOBUS MR.

ERIP Insulation Properties: Please refer to ISOBUS MR

Application

ISOBUS MB bushings are designed for

- Indoor and outdoor applications
- Connections to oil / air equipment
- Connections between SF6 and non SF6 equipment
- Connections to cables

Safety and Reliability

- Partial discharge free according to IEC 60 137 due to void-free manufacture and high voltage routine testing of each bushing prior to delivery. Guaranteed for a long life span
- Touch safe in earthed area during operational conditions due to embedded concentric earth layer
- Easily withstands ambient temperatures from below -50°C to above $+55^{\circ}\text{C}$
- Withstands very high peak current
- Insulation withstand is E-120
- Integrated current transformer on the bushing is possible
- Degree of protection is IP 54 –IP 68
- Natural cooling
- No halogens. If a fire occurs, no toxic gases develop and the insulation is self extinguishing

Space and Time Saving Installation

- Value added solution supplied
- Flange and current transformer is an integral part of the conducting cylinder, therefore saving time
- Any three dimensional shape is possible
- One bushing per phase up to 7000A
- No special tools required

