PRODUCT INFORMATION

ARCING HORN FOR MOUNTING ON BUSHING TYPE GOBL.

General

Surge arresters are firmly recommended by ABB for over-voltage protection. All ABB's bushing types can, however, upon request be furnished with rod gaps. This information describes the design, adjustment and mounting of gaps for GOBL bushings.

Design

To protect the bushing from flashovers, Arcing horn can be used. These are containing of a Bracket screwed together with the Holder on the outer terminal, in the holder is the Upper arcing horn that are fixed at an recommended gap distance from the Lower arcing horn.

BYGEL BRACKET

FÄSTE HOLDER

ÖVRE LJUSBÄGSHORN

UPPER ARCING HORN

GAP AVSTÄND

GAP DISTANCE

NEDRE LJUSBÄGSHORN

LOWER ARCING HORN

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MOUNTING

After guarantee that contact between Lower arcing horn and flange are seen to, the lower arcing horn are screwed to the bushing flange with one of the flange screws in position (15°) as showed in the top view. The bracket and the holder are screwed together leaning against the outer terminals lowest edge and oriented (40°) according to sketch. Upper arcing horn places in the hole on the holder and a nut are used to lock it in position that gives correct gap distance according to enclosed curve. Then turn the holder so both arcing horn lays above each other. Screw tight so the adjustment can not be moved.

Adjustment

The length of the bushing insulators are mainly determined by the wet power frequency voltage. This value has been used for the selection of the gap setting range. The actual setting is usually prescribed by the customer. In case no value is given, we recommend a setting, according to enclosed curve.
The gap distances for standard arcing horn are shown in the table.

<table>
<thead>
<tr>
<th>Bushing type</th>
<th>Gap distance (mm)</th>
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<tbody>
<tr>
<td>GOBL</td>
<td>230-440</td>
</tr>
<tr>
<td>GOBL 250</td>
<td>400-620</td>
</tr>
<tr>
<td>GOBL 380</td>
<td>620-960</td>
</tr>
<tr>
<td>GOBL 550</td>
<td>700-1080</td>
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<td>GOBL 650</td>
<td></td>
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