Cable termination suitable as a fixed connection point in a gas-insulated switchgear, a transformer without a separate cable box or where the cable box is filled with transformer oil. Designed to meet the requirements of internationally accepted standards.

1. Top fitting
Made from silver-plated brass.

2. Top bolt/conductor connection
Made from aluminium or tin-plated copper.

3. Insulator
Made from epoxy with an integrated screen interruption.

4. Filling compound
Polybutene oil, volume: 10 liters (expansion vessel included).

5. Stress relief cone
Premolded stress relief cone designed for geometric field control.

6. Pressure ring
Made from aluminium alloy (bolts are not included).

7. Flange
Made from aluminium alloy.

8. Box body
Made from aluminium alloy.

9. Earth clamp
The earth clamp is made from tin-plated brass and clamped with stainless steel bolts. The earth clamp has a rated cross section of 1050 mm².

10. Cable clamp
Made from aluminium alloy. The clamp secures the cable in a fixed position.

11. Corona shield
Corona shield for transformer (TRF) applications, made of aluminium with surface insulation coating.

### Main technical data

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<th>Voltage kV</th>
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<td>Highest voltage for equipment, $U_m$</td>
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<td>Value of $U_0$ for determination of test voltage</td>
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Common specifications

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<td>Net weight, complete termination, kg</td>
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<tr>
<td>Rated frequency, Hz</td>
<td>50/60</td>
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<tr>
<td>Max inclination, degrees</td>
<td>No limitations</td>
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<tr>
<td>Dimensions according to IEC 62271-209 (GIS)</td>
<td></td>
</tr>
<tr>
<td>Dimensions according to EN 50299 (TRF)</td>
<td></td>
</tr>
</tbody>
</table>

Routine test

Epoxy insulator according to EN 50089

Insulating oil:
- Dielectric strength according to IEC 60156
- Water content test according to Karl Fischer method

Leakage test on flange

Dimensional and electric test is performed on each stress relief cone

Visual inspection is performed on all parts of the termination

Storage

When stored in original, unopened packaging at temperatures in the range of -30°C to 30°C:

- The stress relief cone has a shelf life of ten years from date of manufacture.
- Tapes and grease have a shelf life of five years.
- Metal hardwares have no shelf life limit.

The insulating oil shall be stored in original, unopened packaging at temperatures in the range of 5°C to 45°C. The shelf life is ten years from date of manufacture.

For additional information, please contact: www.abb.com/cableaccessories

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