**Description**

The ABB LSID is a Single Insulator Disconnect with self-contained loadbreak capabilities, a double blade door, and two 2-hole extended NEMA pad terminals. The LSID is a light weight, flexible alternative to the commonly used double insulator design. In addition, the LSID disconnect incorporates the quality approach to design prevalent in the ABB line of cutouts.

Polymer concrete is available on certain ratings.

**Ratings**

The LSID disconnect is offered in three frame (and four BIL) sizes. Each of these frames is designed for 600-amp continuous load with a 40 kA momentary rating. The LSID has a 900A overload capability, however, loadbreak cannot be performed at 900A.

**Applications**

The LSID is designed for use as a single-phase disconnect on overhead distribution feeders and in outdoor distribution substations. It may be used to provide a visible break point for maintenance personnel. The self-contained loadbreak concept enables the lineman to interrupt load current by means of a simple hookstick operation. It is very easy to learn proper operating technique and no special tools are required.

The LSID can be mounted like a standard cutout, underhung. It can also be mounted directly on a pole for use as a disconnect between overhead and underground lines or as a visible disconnect for maintenance of line equipment. This standard cutout type design allows for easy installation with a good visual indication of its position.

An optional mounting kit is available that allows for a variety of mounting scenarios. This kit can be used in the following applications:
- single or double crossarm underhung
- directly on a pole at an angle similar to a cutout
- crossarm similar to a cutout
- directly on a pole vertically
- crossarm vertically
- riser pole application

In addition, the LSID has an option for a mounting channel which allows line deadending. This option allows the disconnect to replace existing underhung disconnects where dead-ending is required.

**Standards and Design Testing**

ABB has been using Polymer Concrete for over 10 years. It is available in our 110kV BIL and 125kV BIL ratings. Polymer Concrete provides a safe shatter proof design with molded-in rods to prevent moisture penetration. Polymer concrete is cold weather friendly in that it resists damage from freeze/thaw cycles. This makes it an excellent replacement for porcelain in colder climates. It is a field proven material that provides excellent electrical properties and dielectric strengths as well as superior mechanical toughness.

**Ordering Information**

The standard style number for the LSID includes two 2-hole terminal pads, standard mounting brackets, and 90 degree stop. To order the disconnect with an optional terminal listed, change the 4th position to the appropriate code and add to the list price. To order with a different mounting, change the 5th position to the appropriate code and add as shown.

For other special applications, please contact your appropriate ABB marketing representative.

1 "A" standard mounting package includes NEMA "B" bracket, 70 degree bracket, and back strap.
2 "D" kit includes a 70 degree bracket, back channel (for dead-ending), and an additional back strap.
3 15/27 used for applications on single-phase circuits having maximum line-to-ground voltage not in excess of 15.5 kV or for three-phase grounded WYE circuits not in excess of 27 kV.
4 Overload continuous current capability of 900A with 600A loadbreak.

*Proper mounting hardware is included with all options.

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**Type LSID - Loadbreak disconnect**

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<th>Dim A</th>
<th>B RAD</th>
<th>Creep Inches</th>
<th>Current Amperes</th>
<th>Loadbreak Apertes</th>
<th>Style No w/STD. Brkts</th>
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**Polymer Concrete**

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July 2001