

# L-Contact

## Disconnecter Contact Advanced Technology for Every Weather

Early in the 1980's, Grid Solutions, a business of GE Grid Connections, began development on an innovative, new high voltage disconnector contact. After more than five years of studying and testing, the L-Contact was presented to some of the most important transmission grid operators around the world - and within a few years it became the number one choice for European, American and Asian extra-high voltage networks.

### Applications

Knee type, semi-pantograph, vertical break and center break disconnectors from 145 kV up to 1,200 kV have been equipped with the L-Contact and are now in service worldwide.

### The Idea

The goal was to create a maintenance-free contact able to protect against pollution and ice, with built-in arcing contacts designed to grant 10,000 operations. This goal was achieved by applying breaker technology to the disconnectors: both the female and male contacts have been segregated.

The female tulip contact and the male contact are both protected by two separate enclosures, opened only during the contact penetration phase. When closed, the arcing contacts are not part of the current path.

### Our Experience

20 years of field experience in varied climates and challenging environmental conditions have proven that the L-Contact is the safest and most performant contact ever designed for a high voltage disconnector. It grants total reliability, whether operated 10,000 times per year or when operated after remaining continuously closed for 10 years.

### Robust Quality

The design of each component and the choice of materials was made with the aim of ensuring total reliability even when operating under the most adverse climatic conditions.



*An SPOL 300 kV knee type disconnector equipped with L-Contact in extreme weather conditions in Norway*



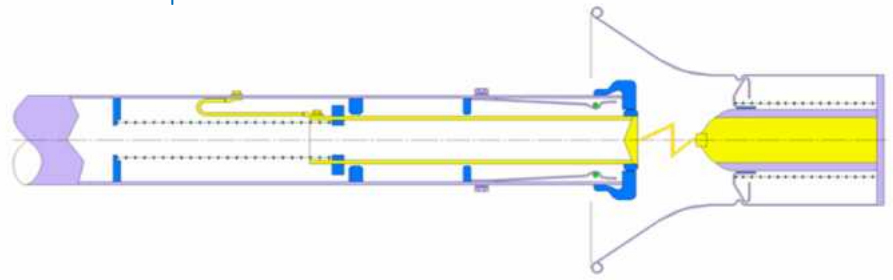
## Customer Benefits

- Ice free
- Pollution free
- Maintenance free
- High number of contact fingers
- Reduced contact friction during operation
- Built-in arcing contacts
- Applicable to most disconnector types

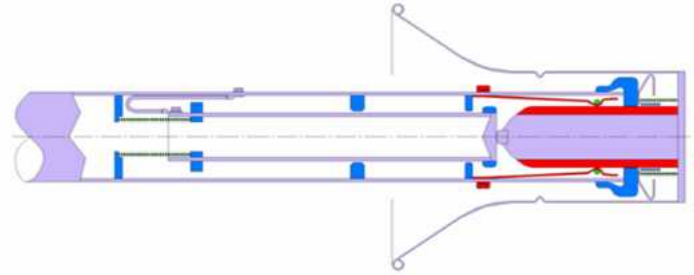
## L-Contact Technical Principles



Male contact



Female contact



## Application to most Disconnecter Types



*SPOL Knee type disconnecter*



*SPVL Semi-pantograph disconnecter*



*S3CVL Vertical break disconnecter*



*SPOL2T Knee type disconnecter*

For more information please contact  
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### Worldwide Contact Center

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