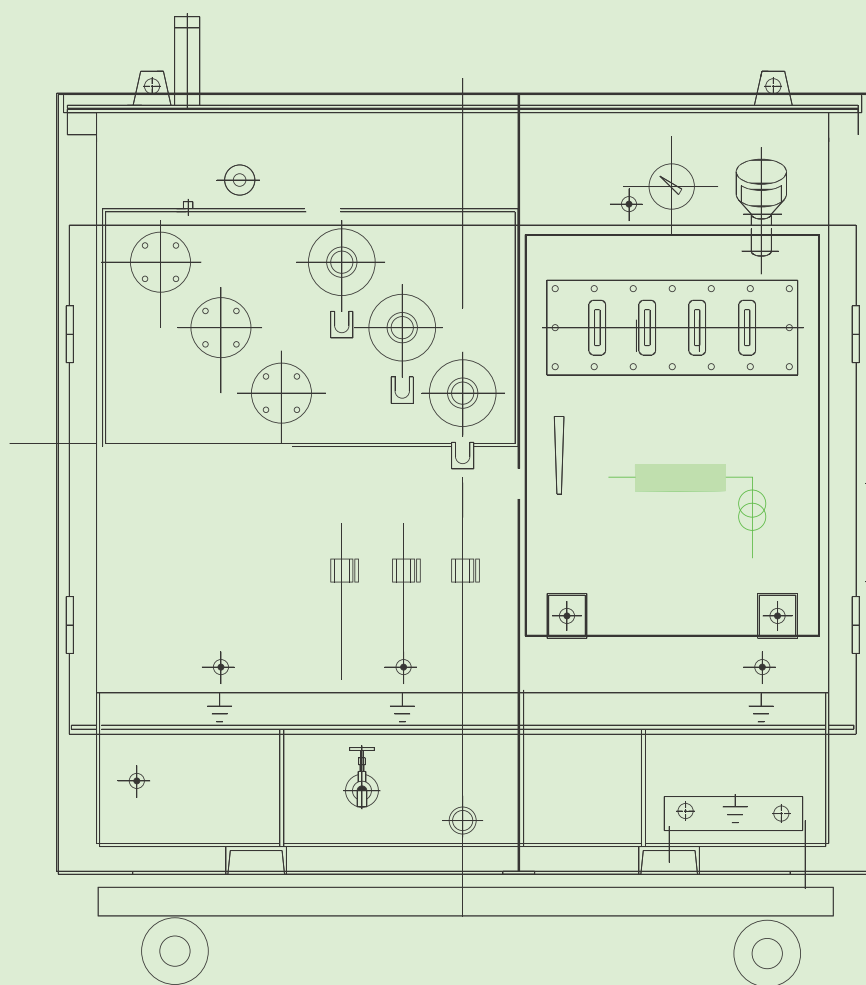


# Our Fuses in Distribution Transformers



# DISTRIBUTION TRANSFORMERS



## Features

- **Non-ageing high quality** fuse-links to match with the expected life-time of several decades.
- **High breaking capacity up to 63 kA**
- **Hermetically sealed design** which is able to operate permanently at high temperatures.
- **Project-specific design & manufacturing** complying with the restrictive operational & dimensional requirements.
- **Reliable fuses** which complies with all additional requirements of IEC 60282-1 and also withstands the odds of transformer drying, vacuum impregnation, high voltage withstand and partial discharge tests.

## Overview

Integrating back-up current-limiting fuse-links in transformer tanks probably represents the most efficient use of HV fuses. There is one very simple rationale behind: "Fuses associated to transformers do not need to be replaced if properly selected."

As fuses are only meant to protect the transformer tank from opening in case of catastrophic failure, these fuses will never be replaced during service life of the transformer. In some countries e.g. the United States, oil-immersed fuses have been used for decades to protect distribution type transformers. Latterly, the technology has been introduced to transformers of wind power stations where rugged and maintenance-free design is desirable.

## Application Types

Under-oil fuse-links enable intrinsically safe transformer designs for many applications with or without integrated transformer switching device. In some applications, under-oil fuse-links are equipped with strikers to interact with an under-oil switch to disconnect all three phase after operation of one fuse-link.

## Technical Assistance

Please visit our website for in-depth information on switch-fuse combination, transformer protection and all other subjects related. Meanwhile, we're glad to offer our technical expertise whenever required, so you are most welcome to contact us for your technical inquiries.

[www.inter-teknik.com.tr](http://www.inter-teknik.com.tr)

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