

NKT launches new dry-type high-voltage outdoor termination to enhance safety and reduce environmental risks in the power grid

NKT launches the KFEV 245 dry-type outdoor termination to address concerns brought by the conventional oil-filled technology that still largely dominates the market. The KFEV 245 has been developed to meet growing demand for safe alternatives in modern power transmission systems. It offers a range of practical improvements that address the need for reduced complexity and simplified installation.

Oil-filled outdoor terminations still dominate the high-voltage cable accessories market. However, customers increasingly prefer dry-type terminations for environmental and safety reasons, similar to those widely introduced and favoured at lower voltage levels in recent years.

To meet growing demand and set the standard for the best solutions in the market, NKT is now introducing the KFEV 245 dry-type outdoor termination for 245 kV power cable systems.

- The demand in the market for high-voltage dry-type outdoor terminations has been increasing in recent years. High-voltage power cable systems can benefit from terminations that allow faster, easier, and safer installation. Dry-type terminations are more reliable and sustainable because they eliminate the risk of oil leaks, thereby minimising potential negative environmental impact, says Biswajit Singh, Senior Director, Product Management Accessories at NKT.

A simple and robust design

The KFEV 245 offers a robust and simplified design compared with oil-filled terminations.

The termination incorporates a well proven, high-quality outdoor insulation system combined with NKT's well established plug-in technology, which consists of a condenser bushing insulator and a stress control element made of silicone rubber.

- NKT's KFEV 245 is not just an oil-free alternative for HVAC power cable systems, but its innovative pluggable design enables faster installation and helps reduce possible installation errors. The design also allows flexible mounting at various angles and removes the need for special handling at site, says Biswajit Singh.

The KFEV 245 dry plug-in outdoor termination is now part of NKT's comprehensive high-voltage accessories portfolio, covering the full HVAC voltage range up to 550 kV. Like the rest of the high-voltage accessories portfolio, this new termination is manufactured at NKT's high-voltage cable accessories centre of excellence in Alingsås, Sweden.

About NKT

NKT connects a greener world with high-quality power cable technology and plays a key role as the world moves towards clean energy. NKT designs, manufactures and installs low-,



medium- and high-voltage power cable solutions enabling reliable transmission of energy. Since 1891, NKT has innovated the power cable technology, building the infrastructure from the first light bulbs to the megawatts created by renewable energy today. NKT is headquartered in Denmark, operates from more than 30 locations worldwide, and employs 6,000 people globally. NKT is listed on Nasdaq Copenhagen and realised a revenue of EUR 3.3 billion in 2024. NKT - We connect a greener world. www.NKT.com.

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