

Linking HV Grids Worldwide

Within our network components group, we design, produce, distribute and install high and extra-high voltage cable systems. Our expertise in the system design field helps push the existing boundaries to come up with innovative solutions to secure reliable and sustainable supply of electricity for the development of communities.

The Click-Fit Concept

The unique Click-Fit principle is based on a simple plug & play philosophy that allows for time-efficiently connecting (extra) high voltage cables and systems. The worldwide proven Click-Fit locking mechanism prevents cable movement within the

stress control body caused by thermo-mechanical forces. Thereby ensuring a reliable and fail-safe connection during operation.

The simple concept can be explained in three steps.



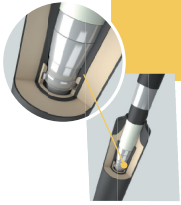
Step 1

Cable plug prepared with spring loaded locking pin.



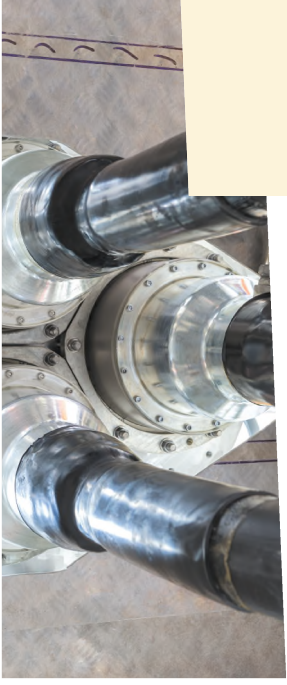
Step 2

The cable end is inserted with the locking pin pressed down (after lubrication of insulation).



Step 3

The cable end is plugged into its final position with the locking pin extended. The cable is mechanically locked.



Want to know more about this product?



→ Product Range



→ Solutions



→ Datasheets

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ClickFit™

PRODUCTS

Connectors

CFC Family



A brand of the
Prysman Group

www.click-fit.org

Connectors → CFC Family



Click-Fit Connectors

The dry-type Click-Fit Connector CFC/CFEO is designed to connect extruded HV cables into gas insulated switchgear (GIS) or oil-filled power transformers.

Product Overview

Description	Code	Available for cable systems with maximum system voltage Um [kV]							
		72.5	123	145	170	245	300	420	550
GIS Termination Click-Fit* Connector (Dry type / Fluid filled)*	CFC - (Um)	✓	✓	✓	✓	✓	✓	✓	✓
	CFMT - (Um)	✓	✓	✓	✓	✓	✓	✓	✓
Transformer Termination Click-Fit* Connector (Dry type / Fluid filled)*	CFEO - (Um)	✓	✓	✓	✓	✓	✓	✓	✓
	CFMTD - (Um)	✓	✓	✓	✓	✓	✓	✓	✓

* Designed according to IEC 61217-209 figure 4.6.5

Product Features

- Dry-type "plug-in" connector
- The sealing surface of the epoxy/fange is specially treated to avoid gas leakage
- Based on design tested at high pressures to prevent internal leakage of gas
- Suitable for flexible rubber cable applications



Why choose Click-Fit?



Compatibility

Systems and Engineering - Tailor Made Solutions

Complete product portfolio compatible across all cable manufacturers

Project driven engineering training tools, OSH&E advice, installation resources and turn-key project management

Modular design ensures compatibility, independence of cable system specifications



Installation

Support in calculation of cable system design specifications

Pre-connected cable ends reduce on-site installation costs up to €1,000 per substation

Pre-connected cable ends reduce installation time up to 15% per substation

Cross-usability across the Click-Fit product range and voltage levels reduces the costs of your base tool set by 87%



Testing & Diagnostics*

Extensive test equipment compared to international standards

Full compliance with international specifications and standards

In-house knowledge: HV research lab and on-site testing facilities

Maintenance experience and on-site diagnostics



Reliability

Pre-Com partial discharge monitoring system

Proven track record in low and high temperature environments - 10,000 products installed in Russia and markets installed in UAE

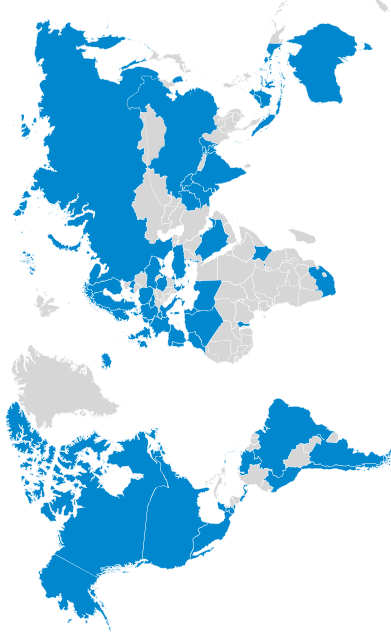
24/7 engineering and installation support

Supply of spare parts E 24/7 logistics support

Over 50,000 solutions sold worldwide."

Our partners all over the world

Siemens | TenneT | Réseau de Transport d'Electricité (RTE) | Red Eléctrica de España (REE) | Infratek | Vattenfall | Alstom
 Scottish Power | Stedin | Llandan | National Grid | Asea Brown Boveri (ABB) | Pterofac | Commonwealth Edison (ComEd)
 | Pokonac Electric Power Company (PEPCO) | Consolidated Edison (ConEd) | Eskviline Power Systems | Tahan Electric Wire |
 Abu Dhabi Transmission & Despatch Company (Tadco) | Dubai Electricity and Water Authority (DeWA) and many others



* For further information about diagnostic and monitoring services have a look at our service brochure.