PFISTERER

HOCCA T72 T-CONNECTOR Datasheet

HOCCA T72, dry-type, separable outer cone cable termination system for offshore wind turbines

Design

HOCCA – PFISTERER High Voltage Outer Cone Cable Accessory
Standard connection for offshore wind turbine systems.

The safe supply of future power is based on a reliable network infrastructure for offshore wind turbines with countless individual components. This depends above all on the sensitive interfaces in the cable network. In offshore wind turbines these are primarily the connections to transformers and switchgears. Here it is a matter of reliable and durable contacts. Over 100 years of PFISTERER's experience in contact technology is packed into every component. This means simple and safe installation, as well as durable, high-quality contacts.

High-quality contact materials and sophisticated contact technology in the SICON bolted connector ensure stable current flow and constant contact force. The silicone body is remarkably easy to fit and offers excellent resistance to environmental influences. All connectors conform to the international standards for cable accessories like IEC 60840 or IEC 63026.

SICON - Bolted connector for easy and secure connection of all conductor designs and materials. The stepless shear-off bolt is installed using a standard tool and ensures optimum contact force while preventing individual wires from shearing off. It makes use of the full thread loading at all times and simply shears off when installation is successfully completed.

Technical data

Parameter	Unit	Requirement
Rated voltage	U_n	66 - 69 kV
Max. system voltage	U_m	72.5 kV
Frequency	f	50 – 60 Hz
Rated current	I_n	1250 A
Max. operating temperature		-25 °C bis +50 °C
Degree of protection		IP X7 (DIN EN 60529)
Cable cross section		95 - 1200 mm²
Cable insulation media		XLPE, HEPR
Connection interface		Type F (EN 50673)
Conductor connection		SICON – Stepless Shear-Off Bolt Connector

Standards

EN 50673:2019: Plug-in type bushings for 72,5 kV with 630 A and 1 250 A for electrical equipment

IEC 60840:2020: Power cables with extruded insulation and their accessories for rated voltages above 30 kV (Um= 36 kV) up to 150 kV (Um = 170 kV) - Test methods and requirements

IEC 63026:2019: Submarine power cables with extruded insulation and their accessories for rated voltages from 6 kV (Um = 7,2 kV) up to 60 kV (Um = 72,5 kV) - Test methods and requirements

EN 60529:2014: Degrees of protection provided by enclosures (IP Code)