

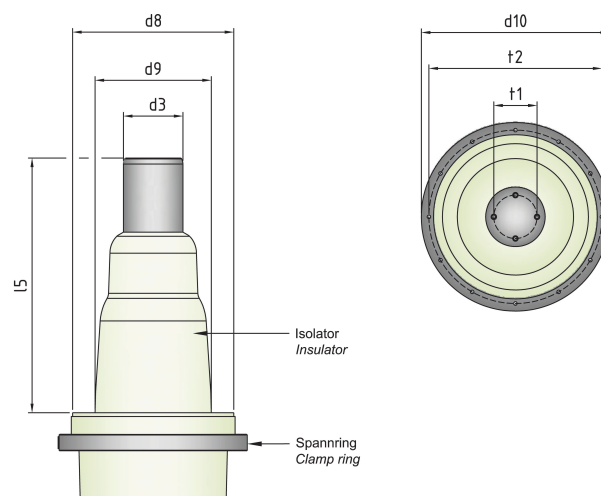
GIS Sockets type TFD

Sockets up to 550 kV

Brugg dry type sockets offer high flexibility to SF6 insulated switchgears for system voltages up to 550 kV. Regardless of whether the required dimensions of the cable compartment are for a dry type or a fluid filled type termination as per IEC 62271-209, each socket is provided with all necessary elements for the fast and easy installation to any switchgear independently of the manufacturer. For the long-term reliability all sockets are factory tested as per EN 50089 requirements. All materials used are UV and corrosion resistant thus allowing the terminations to be applicable for both indoors and outdoors installations.

Product main features

- Designs according to IEC 62271-209
- Factory tests according EN 50089
- Complete set ready for installation
- Easy adaptation to all GIS
- Operating current 4000 A
- Short circuit current up to 50 kA, 3 sec



Main dimensions according to IEC 62271-209

Type	l5 mm	d3 mm	d8 mm	d9 mm	d10 mm	t1 mm	t2 mm
TFD 72.5 kV	310	110	259	195	299	80	270
TFD 72.5 kV ext.	583	110	259	195	299	80	270
TFD 145 kV	470	110	298	195	350	80	320
TFD 145 kV ext.	757	110	298	195	350	80	320
TFD 145/170 kV	470	110	298	215	348	80	320
TFD 145/170 kV ext.	757	110	298	215	348	80	320
TFD 245/300 kV	620	150	454	331	500	110	475
TFD 245/300 kV ext.	960	150	559	331	500	110	582
TFD 420/550 kV	960	150	617	385	690	110	640
TFD 420/550 kV ext.	1400	150	617	385	690	110	640

Technical data

Type	Insulator size	Drawing	Part no	Description	l5 mm
TFD 72.5 kV	G0	S2034	80156	dry type, fixing ring cylindrical	310
TFD 72.5 kV ext.	G0-L	S2036	80158	dry type, fixing ring cylindrical	583
TFD 145 kV	G1	S2035	80157	dry type, fixing ring cylindrical	470
TFD 145 kV ext.	G1-L	S2037	80159	dry type, fixing ring cylindrical	757
TFD 145/170 kV	G2	S1779-4	89385	dry type, fixing ring cylindrical	470
TFD 145/170 kV	G2	S1779-4	89387	dry type, fixing ring V-shaped	470
TFD 145/170 kV ext.	G2-L	S1938-4	89446	dry type, fixing ring cylindrical	757
TFD 145/170 kV ext.	G2-L	S1938-4	89447	dry type, fixing ring V-shaped	757
TFD 245/300 kV	G3	S1843-4	89386	dry type, fixing ring cylindrical	620
TFD 245/300 kV ext.	G3-L	S1908-4	89395	dry type, fixing ring cylindrical	960
TFD 420/550 kV	G4	S2023	80074	dry type, fixing ring cylindrical	960
TFD 420/550 kV ext.	G4-L	S2024	80118	dry type, fixing ring cylindrical	1400