

GIS/Transformer plug in terminations type TFD

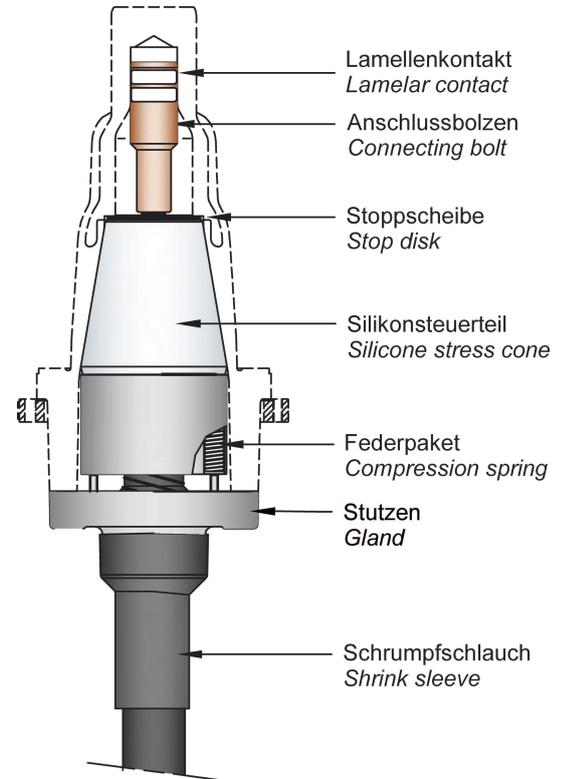
Dry type plug-in terminations For polymeric cables up to 550 kV

Brugg dry type plug-in terminations offer highest quality and application flexibility as GIS or Transformer cable termination for system voltages up to 550 kV. Based on the outstanding properties of the prefabricated and electrically tested slip on stress cones, the reliable modular construction of the TFD terminations allow its application to all types of polymeric insulated cables independently of the cable manufacturer. Thanks to the dry type insulation the cable terminations can be easily installed in any position.

All Brugg dry type plug in terminations are type tested according to the international standards IEC 60840 (≤ 170 kV) and IEC 62067 (> 170 kV). For the long-term reliability of the termination plug in part, each unit of stress cones produced are electrically routine tested in our factory.

Product main features

- For all polymeric cables
- Easy installation in any position
- Adjustable spring tension force
- Application range per stress cone up to 6 mm
- Factory tested silicone rubber stress cone
- Cable screen connection without plumbing



Technical data

Type	Drawing	Max. operating voltage U_m kV	Max. operating current A	Range of diameter over prepared cable insulation, min. - max. mm	Equivalent cable cross-section (Cu/Al) ¹ mm ²	for sockets size
TFD 1.72-11	S2048	72.5	2500	34 - 86	150 - 2000	0 / 0L
TFD 1.145-10	S2047	145.0	2500	34 - 86	150 - 1600	1 / 1L
TFD 1.170-11	S1867-4	170.0	4000	45 - 106	240 - 2500	2 / 2L
TFD 1.245-11	S1870-4	245.0	4000	70 - 130	400 - 2500	3 / 3L
TFD 1.300-11	S1897-4	300.0	4000	70 - 130	400 - 2500	3 / 3L
TFD 1.420-11	S2021	420.0	4000	70 - 130	400 - 2500	4 / 4L
TFD 1.550-11	S2022	550.0	4000	70 - 130	400 - 2500	4 / 4L

¹ Values for reference only. The exact application depend on the diameter over the prepared cable insulation.

Note: Insulator not scope of delivery. Insulator sets to be ordered separately.