



Separable Connectors **Sucofit SMST Series** **for Connection**

Application

T-Connector made of silicone rubber for connection to switchgears and transformers up to 36 kV with bushings type C (630A) according to EN 50180, EN 50181 and DIN 47636. Type test certificate in accordance to CENELEC HD 629.1 S1 and VDE 0278 part 629-1 is available.

Features

- Fully screened due to outer conductive layer
- Touch proof for optimized staff safety
- Integrated capacitive stress control system
- Quick and easy assembly
- Usable for various types of cable lugs (screwed, hexagonal and deep indent pressing).
- Cable sheath testing without dismantling the connector
- Capacitive measuring point
- Only 1 size covering the complete application range from 95mm² / 12kV up to 240/24 kV mm²



TECHNICAL INFORMATION DIMENSIONS & ORDERING INFORMATION

Stretch range mm	Cross sections 12 kV mm ²	Cross sections 24 kV mm ²	Cross sections 36 kV mm ²
12,7 - 25,0	25 - 150	25 - 70	-
17,0 - 32,6	95 - 300	95 - 240	-
21,2 - 34,6	185 - 300	95 - 300	50 - 150
28,9 - 40,0	-	-	150 - 300

	24 kV	36 kV
- Diameter over core insulation	12,7 – 34,6 mm	21,2– 40 mm
- Cross section	25 – 300 mm ²	50 – 300 mm ²
- Maximum system voltage	24 kV	42 kV
- Continuous nominal current	630 A	630 A
- Partial discharge at 2 U ₀	< 1pC	< 1pC
- Alternating withstand voltage (AC, 5 min.)	57 kV	94 kV
- Direct withstand voltage (DC, 15 min.)	76 kV	125 kV
- Impulse withstand voltage	125 kV	200 kV
- Thermal short-circuit 1s	33 kA, 185 ² Cu	33 kA, 185 ² Cu
- Dynamic short-circuit	84 kA, 185 ² Cu	84 kA, 185 ² Cu