



Leading Grid
Connections.



STARIP[®]-Si+

24-245 kV

The easy configurable High-Standard

STARIP®-Si+

24-245 kV



STARIP®-Si+	Dimensions	Drawing	Voltage range							
Rated highest voltage for Equipment Um, 50/60Hz	kV	-	24	36	52	72,5	123	145	170	245
Partial discharge level at test voltage	pc	-	below background noise level of 2pC							
Power-frequency withstand voltage 50Hz, 1.2min, dry	kV	-	55	77	105	155	255	305	355	505
Rated lightning impulse withstand voltage (BIL): 1.2/50 µs	kV	-	125	170	250	325	550	650	750	1050
Rated switching impulse withstand voltage (SIL): 250/2500 µs	kV	-	-	-	-	-	-	-	-	850
Maximum service current draw lead bolt: I _{max} /450 mm ²	A	-	800	800	800	800	800	800	800	800
Maximum service current with removable conductor: I _{max}	A	-	1600	1600	1600	1600	1600	1600	1250	1250
Maximum service current with solid conductor: I _{max}	A	-	2500	2500	2000	2000	2000	2000	2000	1600
Flashover distance	mm	SW	380	380	661	661	1138	1301	1451	2770
Creepage distance: minimum	mm	-	1120	1120	2250	2250	3900	4500	5270	9300
Creepage distance: referred tu Um	mm/kv	-	46.7	31.1	43.3	31.0	31.7	31.0	31.0	38.0

Dimensions for oil-sided end

Length at CT=0	mm	L1	175	195	230	270	350	400	440	620
Length at CT=300 mm	mm	L1	475	495	530	570	650	700	740	920
Length at CT=500 mm	mm	L1	675	695	730	770	850	900	940	1120

Connecting dimensions for draw lead bolt and removable conductor

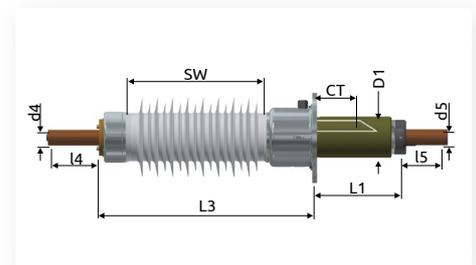
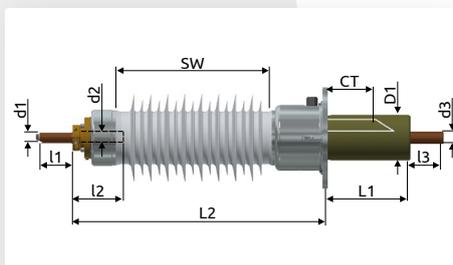
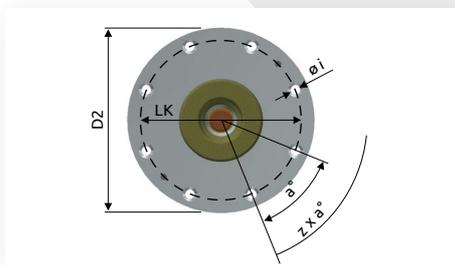
Length of porcelain or composite insulator	mm	L2	667	667	948	948	1425	1588	1738	3117
Top terminal draw lead bolt	mm	d1xI1	Ø 30 x 90							
Top terminal removable conductor bolt	mm	d1xI1	Ø 30 x 125							
Bottom terminal draw lead bolt	mm	d2xI2	Ø 38 x 150							
Bottom terminal removable conductor	mm	d3xI3	Ø 35 x 90							

Connecting dimensions for solid conductor

Length of porcelain or composite insulator	mm	L3	640	640	921	921	1398	1561	1711	3085
Top terminal	mm	d4xI4	Ø 45 x 125							
Bottom terminal	mm	d5xI5	Ø 45 x 125							

Outside diameter of core	mm	D1	100	100	100	100	130	130	143	182/130
Outside diameter of flange	mm	D2	225	225	225	225	290	290	335	335
Diameter of bolt circle	mm	LK	185	185	185	185	250	250	290	290
Number of holes	-	z	8	8	8	8	8	8	12	12
Angle	°	a	45	45	45	45	45	45	30	30
Hole diameter	mm	i	15	15	15	15	15	15	16	20

Dimension Drawing



The dimensions are based on the silicone series; the bushing is also available in a porcelain version.

RIP Dry-Type Transformer Bushings - with Porcelain or Silicone Insulator acc. to IEC 60137

We have fundamentally revised our proven STARIP® transformer bushings and now offer them either with porcelain insulator (STARIP®+) or with composite silicone insulator (STARIP®-Si+).

The bushings are designed for rated voltages of 24 to 245 kV and rated currents up to 2,500 A and can be optimally adapted to individual operating conditions.

Any questions or need support? Connect with us:

 sales-de@hsp-grid.com

 www.hsp-grid.com



Leading Grid
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A **Trench Group**
Company