

# RSTI - Screened, separable T-connection system for gas-insulated switchgears with bushings according to EN 50181 type C1 (630 A) and C2 (1250 A), 10 kV, 15 kV, 20 kV and 35 kV

## RSTI - T-connection system

Nominal voltage U <sub>0</sub> /U (kV)	Cross section (mm <sup>2</sup> )	Ordering description T-connector	Coupling connector	Diameter over core insulation (mm)
6/10	35 - 95	RSTI-5851	RSTI-CC-5851	12,7 – 25,0
	95 - 240	RSTI-5853	RSTI-CC-5853	17,0 – 32,6
	185 - 300	RSTI-5855	RSTI-CC-5855	21,3 – 34,6
	400	RSTI-3951	RSTI-CC-3951	28,9 – 36,4
	500	RSTI-3952	RSTI-CC-3952	28,9 – 36,4
	630	RSTI-3953	RSTI-CC-3953	34,0 – 45,4
8,7/15 and 12/20	35 - 70	RSTI-5851	RSTI-CC-5851	12,7 – 25,0
	95 - 240	RSTI-5854	RSTI-CC-5854	21,3 – 34,6
	185 - 300	RSTI-5855	RSTI-CC-5855	21,3 – 34,6
	400	RSTI-5951	RSTI-CC-5951	34,0 – 45,4
	500	RSTI-5952	RSTI-CC-5952	34,0 – 45,4
	630	RSTI-5953	RSTI-CC-5953	39,1 – 59,0
20/35	800	RSTI-5954	RSTI-CC-5954	39,1 – 59,0
	35 - 95	RSTI-6851	RSTI-CC-6851	22,4 – 35,5
	95 - 150	RSTI-6852	RSTI-CC-6852	22,4 – 35,5
	120 - 240	RSTI-6853	RSTI-CC-6853	28,9 – 42,0
	180 - 300	RSTI-6855	RSTI-CC-6855	28,9 – 42,0
	400	RSTI-6951	RSTI-CC-6951	34,0 – 45,4
500 - 630	RSTI-6952	RSTI-CC-6952	39,1 – 59,0	
800	RSTI-6953	RSTI-CC-6953	39,1 – 59,0	

**Scope of supply:** Screened connector body, stress control adapter, mechanical lug (suitable for aluminium and copper conductors), fixing nuts, terminal stud, backplug and lubricant supplied in a 3-phase set complete with installation instruction.

## Solderless earth connection for cables with aluminium or copper tape shield

### Cross section (mm<sup>2</sup>) for cables with nominal voltage U<sub>0</sub>/U

6/10 kV	8,7/15 kV	12/20 kV	Ordering description
35 - 120	35 - 120	35 - 120	SMOE-62871
95 - 400	70 - 300	50 - 240	SMOE-62872

**Note:** The solderless earth connection kit must be ordered separately. The SMOE kits include 3 roll springs, 3 earth leads, 3 heat shrinkable insulating tubing and copper mesh.

## Trifurcation kit for screened, 3-core polymeric insulated cables with wire shield and without armour

Dia. over core insulation (mm)	Dia. over cable (mm)	Max. tail length* (mm)	Ordering description
13,7 - 25,0	46,0 - 67,0	600	RSTI-TRF01
17,6 - 35,6	50,0 - 90,0	600	RSTI-TRF02
25,6 - 43,0	85,0 - 140,0	600	RSTI-TRF03

\* Trifurcation kits with longer tail length are available on request.

**Note:** Trifurcation kits must be ordered separately.

## RSTI system accessories

### Test rods

Cables can be tested while the RSTI connector and the cables are connected to the switchgear.

Set of 3 test rods with threading reducer

M16 / M12

**RSTI-68TRA**

2x length of 310 mm, 1x length of 460 mm.

**RSTI-68TR**

3x length of 310 mm.

**RSTI-68TRL**

3x length of 460 mm.



### Earthing plug for cable earthing

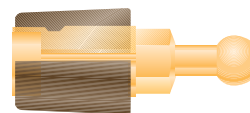
Cables can be earthed while the RSTI connector and the cable are connected to the switchgear.

**RSTI-68EA25**

Set of 3 pieces with ball diameter 25 mm.

**RSTI-68EA20**

Set of 3 pieces with ball diameter 20 mm.

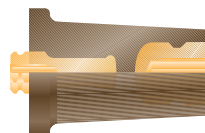


### Termination plug as live end seal

Allows termination and sealing of the RSTI connectors in case that they are not installed on a switchgear bushing. The termination plug must be installed before applying any voltage (e.g. cable system test).

**RSTI-68TP**

Set of 3 pieces.



### Insulated end cover

Insulated dead end for switchboard bushing according to EN 50181 types C.

**RSTI-N66RC**

Set of 3 pieces.