

R909PB/G Coupling connector for 909TB/G tee connector

72.5 kV
1250 A*
1800 A**

U (U_m)
60-69 (72.5) kV

Application

Separable coupling connector (bolted type) for dual cable arrangement. It has been designed to be used with R909TB/G separable tee connector. The arrangement might be extended by multiple coupling connectors.

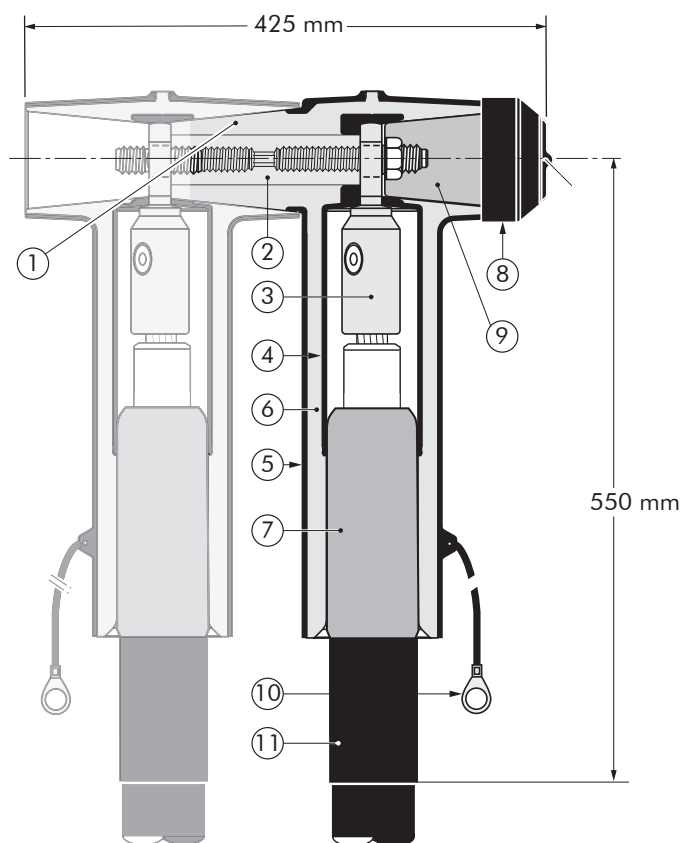
Technical characteristics

- The thick conductive EPDM jacket provides a total safe to touch screen which ensures safety for personnel.
- Each separable connector is tested for AC withstand and partial discharge prior to leaving the factory.

Design

1. Interface designed to fit R909TB/G
2. Bus for R909PB/G (contact rod and stud)
3. Conductor connector (hexagonal crimping or bolted type)
4. Conductive EPDM insert
5. Conductive EPDM jacket
6. Insulating EPDM layer moulded between the insert and the jacket
7. Cable reducer
8. Conductive EPDM cap
9. Basic insulating plug
10. Earthing lead
11. Heat-shrinkable sleeve

The screen break design enables cable outer sheath testing without removing or dismantling the connector.



R909TB/G
Tee connector

R909PB/G
Coupling connector

Specifications and standards

The R909PB/G coupling connector is type tested acc. to IEC 60840.

Separable connector type	Max. operating voltage U _m (kV)	Continuous current I _n (A)	Conductor cross-section*** (mm ²)	
			min	max
R909PB/G	72.5	1250*/1800**	95	1200

* When installed on an appropriate equipment bushing.

** Daisy chain arrangement.

*** Indicative for cables with 10 mm insulation wall thickness.

For detailed electrical ratings please see page 29-30.

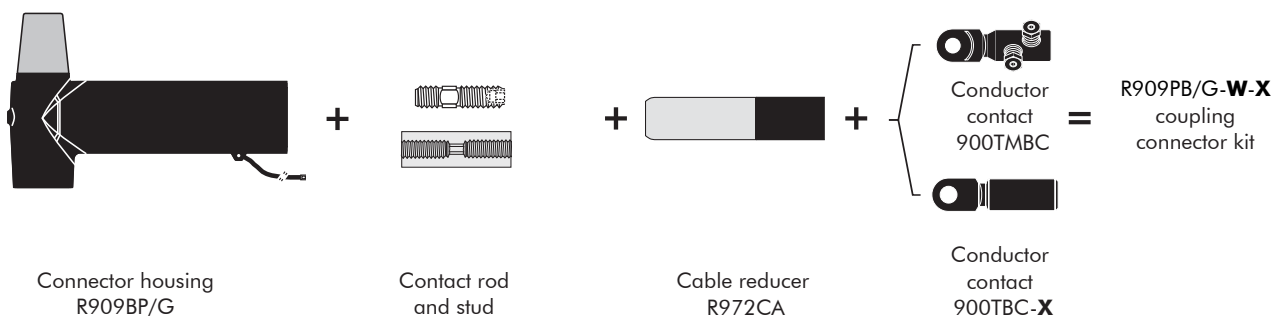
Kit contents

The complete R909PB/G coupling connector kit comprises 1x the following components:

The kit also comprises:

+ installation instructions
+ silicone grease
+ sealing mastic
+ gloves

+ roll adhesive tape
+ heat-shrinkable sleeve



Ordering instructions

To order the coupling connector, select the ordering part number which gives you the best centering of your core insulation diameter and substitute **X** using **Table X**, according to your conductor size and type.

Order example:

The copper wire screened cable is 72.5 kV, 800 mm² round stranded aluminium with a diameter over XLPE core insulation of 58 mm after preparation and 50 mm² copper wire screen.

Order R909PB/G-50-800.1200-14-5 + 50x10KU-V coupling connector kit.

For screen wire cable lug please see page 17-18.

Table W

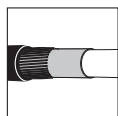
Ordering part number	Ø over core insulation* (mm)	
	min.	max.
3 x R909PB/G-25-X	27	33.5
3 x R909PB/G-30-X	32.5	41
3 x R909PB/G-37-X	40	48
3 x R909PB/G-43-X	46.5	51
3 x R909PB/G-46-X	49.5	55
3 x R909PB/G-50-X	54	59
3 x R909PB/G-53-X	57	64
3 x R909PB/G-58-X	62.5	68

* after cable preparation

Table X

Conductor size (mm ²)	Aluminium and Copper conductor (RMV)		Copper conductor (RMV)
	Bolted		DIN hexagonal
95	95.240-14-5		95(K)M-11-2
120			120(K)M-11-2
150			150(K)M-11-2
185			185(K)M-11-2
240		185.400-14-5	240(K)M-11-2
300			300(K)M-11-2
400			400(K)M-11-2
500			500(K)M-11-2
630	400.630-14-5		630(K)M-11-2
800		800.1200-14-5	800(K)M-11-2
1000			1000(K)M-11-2
1200			1200(K)M-11-2

RMV: round stranded compacted conductors



For use with copper wire screened cables. No further earthing device is necessary.



For use with other cable types. Please contact our representative.



Components can be ordered individually.



When installed on an appropriate equipment bushing: 1250 A continuously.



When in a daisy chain arrangement or similar: 1800 A continuously.

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