

APPLICATION

Separable tee shape connector (bolted type) designed to connect polymeric insulated cable to equipment (transformers, switchgear, motors, ...). Also connects cable to cable when using the appropriate mating parts.

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.

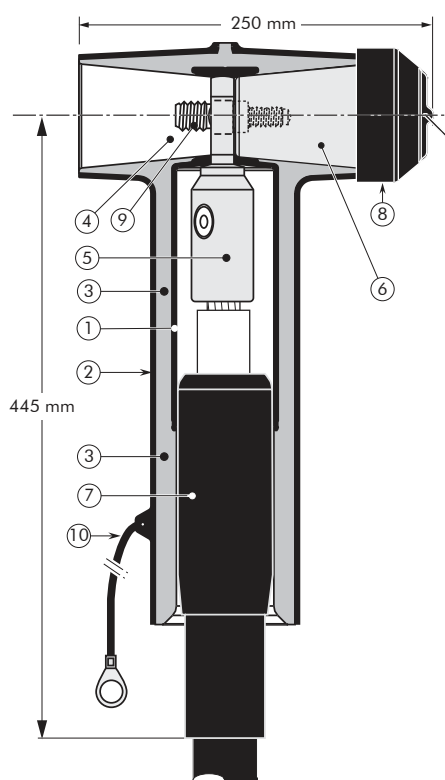


DESIGN

Separable connector comprising:

1. Conductive EPDM insert.
2. Conductive EPDM jacket.
3. Insulating EPDM layer moulded between the insert and the jacket.
4. Type F - interface, as described by CENELEC EN 50180 and 50181.
5. Conductor contact.
6. Basic insulating plug.
7. Cable reducer.
8. Conductive rubber cap.
9. Stud+nut+washer.
10. Earthing lead.

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



6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV
12/20 (24) kV
12.7/22 (24) kV
18/30 (36) kV
19/33 (36) kV
20.8/36 (42) kV

Up to 42 kV - 2500 A

EUROMOLD®

SPECIFICATIONS AND STANDARDS

The 909TB separable connector meets the requirements of CENELEC HD 629.1.

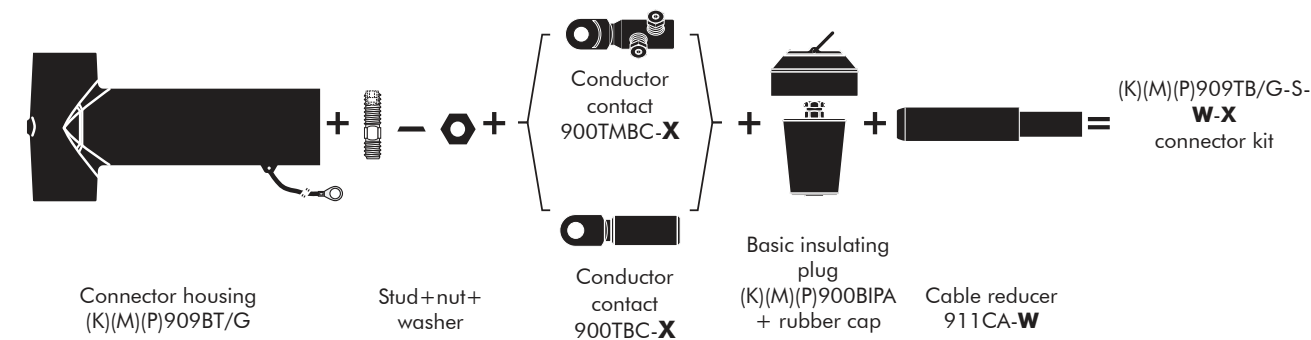
| Separable connector type | Voltage Um (kV) | Current Ir (A) | Conductor sizes (mm²) | |
|--------------------------|-----------------|-------------------|-----------------------|------|
| | | | min | max |
| 909TB/G | 12 | 630 - 1250 - 2500 | 500 | 1200 |
| K909TB/G | 24 | 630 - 1250 - 2500 | 400 | 1200 |
| M909TB/G | 36 | 630 - 1250 - 2500 | 240 | 1200 |
| P909TB/G | 42 | 630 - 1250 | 240 | 1200 |

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KIT CONTENTS

The complete (K)(M)(P)909TB/G tee connector kit comprises the following components:

The kit also comprises silicone grease, field control mastic, gloves, roll adhesive tape, installation instructions and crimp chart.



ORDERING INSTRUCTIONS

To order the tee connector, select the ordering part number which gives the best centring of the core insulation diameter and substitute **X** using table X, according to the conductor size and type. Add a 'K' for use up to 24 kV, add an 'M' for use up to 36 kV, add a 'P' for use up to 42 kV.

EXAMPLE:

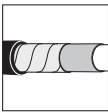
The copper wire screened cable is 36 kV, 1000 mm² stranded aluminium with a diameter over core insulation of 52 mm. Order M909TB/G-S-43-1000AL1 tee connector kit.

TABLE W

| Ordering part number | Dia. over core insulation (mm) | |
|----------------------|--------------------------------|-----|
| | min | max |
| 909TB/G-S-32-X | 35 | 43 |
| 909TB/G-S-37-X | 40 | 48 |
| 909TB/G-S-43-X | 46 | 54 |
| 909TB/G-S-50-X | 53 | 59 |
| 909TB/G-S-53-X | 56 | 62 |
| 909TB/G-S-56-X | 59 | 65 |
| 909TB/G-S-59-X | 62 | 68 |

TABLE X

| Conductor sizes (mm ²) | Aluminium conductor | | Aluminium and copper conductor | Copper conductor |
|------------------------------------|---------------------|---------------|--------------------------------|------------------|
| | Deep indent | DIN hexagonal | Bolted | DIN hexagonal |
| 240 | 240AL1 | 240AL2 | 240.300UN5 | 240CU2 |
| 300 | 300AL1 | 300AL2 | | 300CU2 |
| 400 | 400AL1 | 400AL2 | | 400CU2 |
| 500 | 500AL1 | 500AL2 | 400.630UN5 | 500CU2 |
| 630 | 630AL1 | 630AL2 | | 630CU2 |
| 800 | 800AL1 | - | 800.1000UN5 | 800CU2 |
| 1000 | 1000AL1 | - | | 1000CU2 |
| 1200 | 1200AL1 | - | On request | - |



For use with copper tape screened cables.
Order: Kit MT.



For applications outdoors and in humid climate.
Order: +MWS.



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



For use in potentially explosive atmospheres (for 12 kV max).
Add -/ATEX to part number.



Components can be ordered individually.



When installed on an appropriate equipment bushing:
2500 A in dual cable arrangement

