

A large offshore oil platform is shown at sunset, with its complex structure of pipes, cranes, and storage tanks illuminated by warm orange and yellow light. The platform is situated in the middle of a dark blue sea. The sky is a mix of blue and orange. A semi-transparent white circle is overlaid on the image, containing the text.

 **EUROMOLD**

INTERFACE F

**Medium Voltage
Separable Connectors
and Bushings**

Catalogue 2025

NEXANS

POWER ACCESSORIES

An essential link in energy systems

The future will be electric. The present already is. As electrification gathers paces, network operators are undertaking large-scale projects to extend and modernize the grids. These projects require a wide range of power accessories. Nexans is a leading manufacturer and distributor in this field since more than 60 years, supplying a full range of power accessories to our global customers in about 100 countries.

We connect all types of cables, for Low High and Medium Voltage installations, and all types of conductors with any cross-section. We provide underground cable junctions, and connect cables to various types of equipment, including transformers and switchgear. Our products are used on both onshore and offshore

networks, on wind and solar farms, or in data centers for example.

Our range of products includes EUROMOLD® connectors, our cutting-edge EPDM technology, known for its exceptional performance and reliability. We also provide Cold- and Heat-Shrinkable joints and terminations, developed to be always easier to install and reliable. We pre-assemble ready to install jumpers. And our extensive range of GPH® ferrules and lugs, designed to meet the highest standards of quality and durability, are embodied in all our accessories kits or delivered separately.

Nexans is committed to delivering innovative solutions and top-notch products in the field of electrical connections and accessories.

Together, we have the power to electrify the future!

Laboratory accreditation

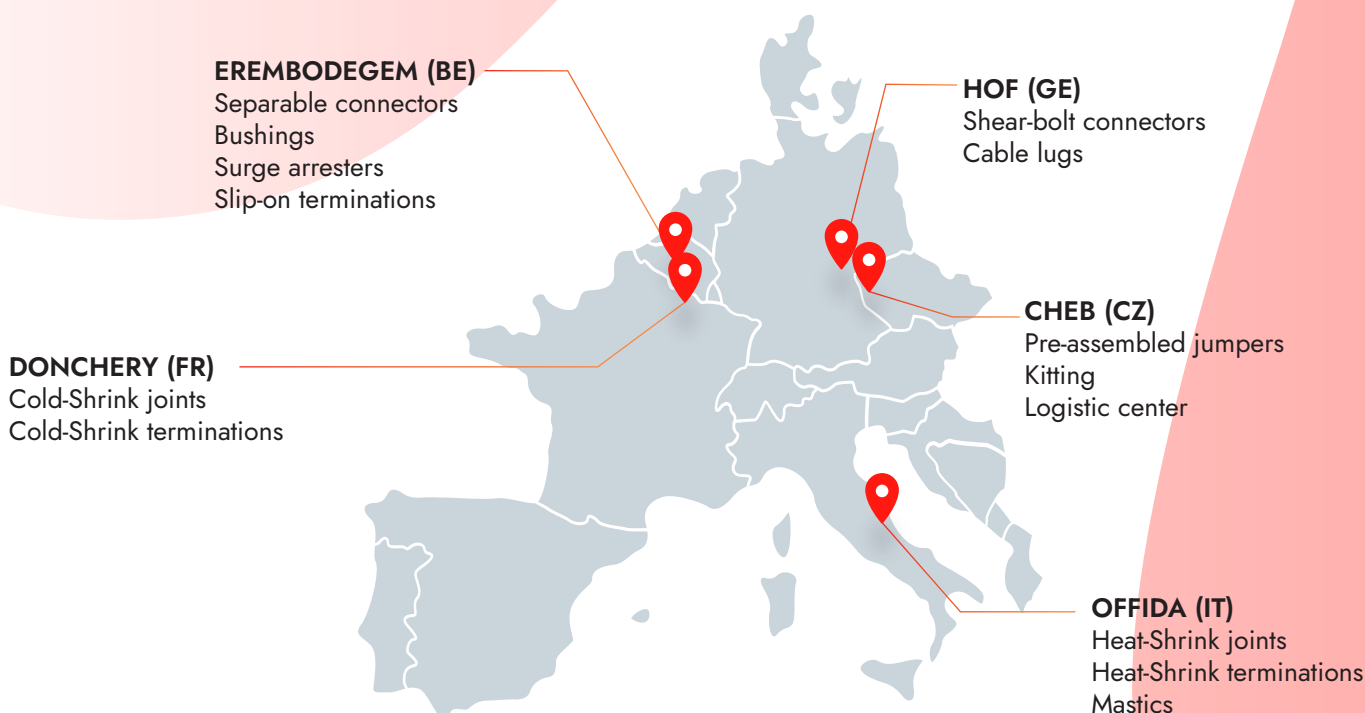
Since June 2000, Nexans independent ELAB laboratory obtained the BELAC accreditation no.144-TEST conform with the European standards for laboratories ISO 17025 for electrical testing of low and medium voltage cable accessories according to the international standards EN 50393, IEC 60502-4, IEC 61442 and HD 629.

ISO Certificate

Since 1992, Nexans commitment to quality and sustainable development is demonstrated by its ISO 9001 and ISO 14001 certifications.



At Nexans, we are proud of our manufacturing and kitting sites



MEDIUM VOLTAGE SEPARABLE CONNECTORS



- Produced in **Europe**
- 100% routine tested
- Only **high-quality material** is used
- Made **100% of EPDM** rubber
- All connectors are tested conform to the **CENELEC HD629.1 standard**. Test reports available upon demand
- Degree of protection **IP67**: dust tight & immersion in water

- A complete range (**12 kV - 42 kV**)
- For cross sections from **16 mm² to 1200 mm²**
- Temperature range from **-60 °C to +130 °C**
- A range of associated coupling connectors and surge arresters all with compact design
- Maintenance free after correct installation.



Made in Europe since 50 years

EUROMOLD separable connectors are made in Europe using only high-quality material such as EPDM rubber. Each product is tested according to CENELEC standards to ensure long-lasting quality.



Compact & flexible design

The compact design of separable connectors uses less raw material and limits sub packaging. It also facilitates installation in reduced space equipment configuration. The ability to combine connectors for most interfaces offers flexibility in the design of your installation.



Reliable

EUROMOLD connectors have a proven track record of high reliability and performance in medium & low high voltage applications. Each separable connector is made with high quality components in Europe and individually tested before leaving the plant, ensuring a reliable connection.

Easy to install & safe



Make your job easier with Nexans separable connectors. When de-energized, they can easily and safely be installed & removed without specific tools. The high quality EPDM rubber outer jacket ensures a long-lasting protection even in harsh environmental conditions.

All-in-one solution



EUROMOLD's separable connectors are versatile, fitting to a variety of projects with their diverse shapes designed to accommodate a wide range of cross sections. It reduces complexity and minimizes stock requirements, offering solutions for interfaces ranging from A to F.



COMPACT SEPARABLE CONNECTORS AND BUSHINGS

INTERFACE F

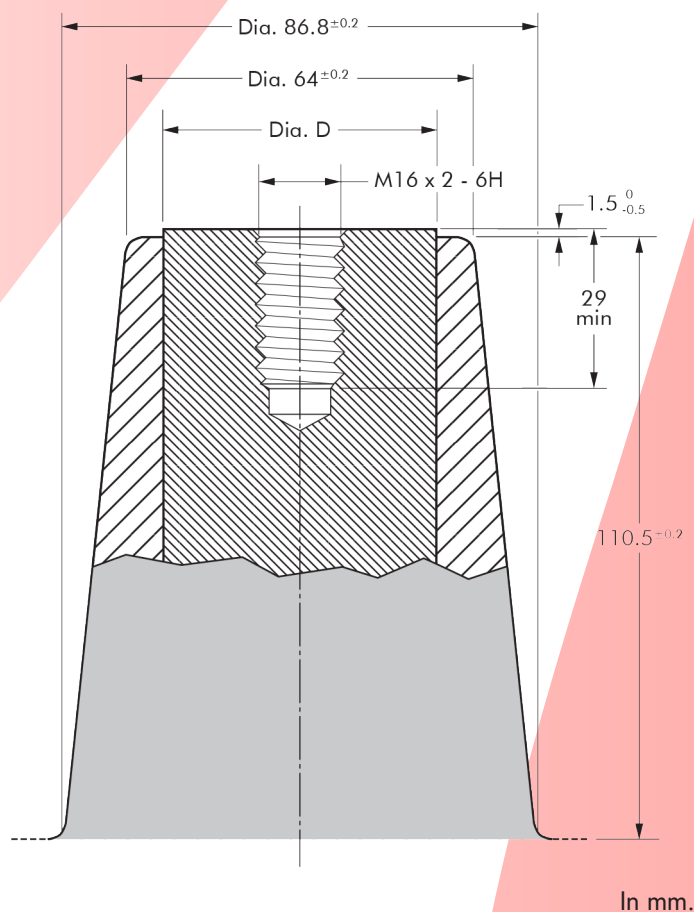
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Interface type	Voltage U_m (kV)	Current I_r (A)	Dia. D (mm)
F1	36	2500	50
F2	52	630	22 min
F3	52	1250	32

INTERFACE F1, F2 & F3

Dimensions according to European CENELEC EN 50180 and 50181 (in mm).



While every care is taken to ensure that the information contained in this publication is correct, no legal responsibility can be accepted for any inaccuracy. Nexans Network Solutions N.V. - Div. Euromold reserves the right to alter or modify the characteristics of its products described in this catalogue as standards and technology evolve.



(K)(M)(P)909TB

INTERFACE F TEE CONNECTOR

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.

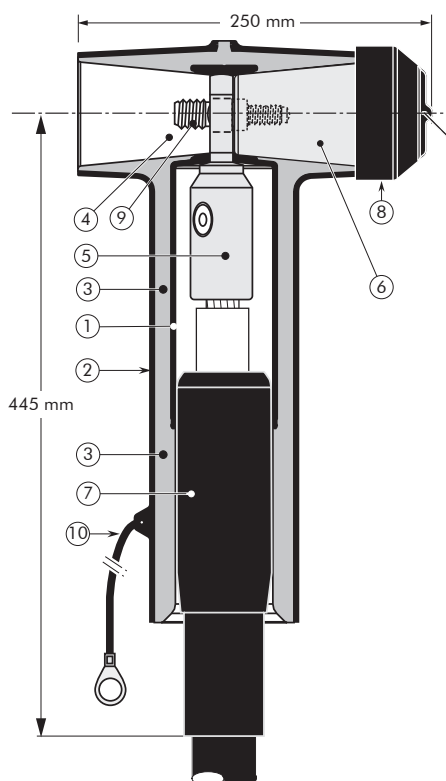


DESIGN

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+flange nut.
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

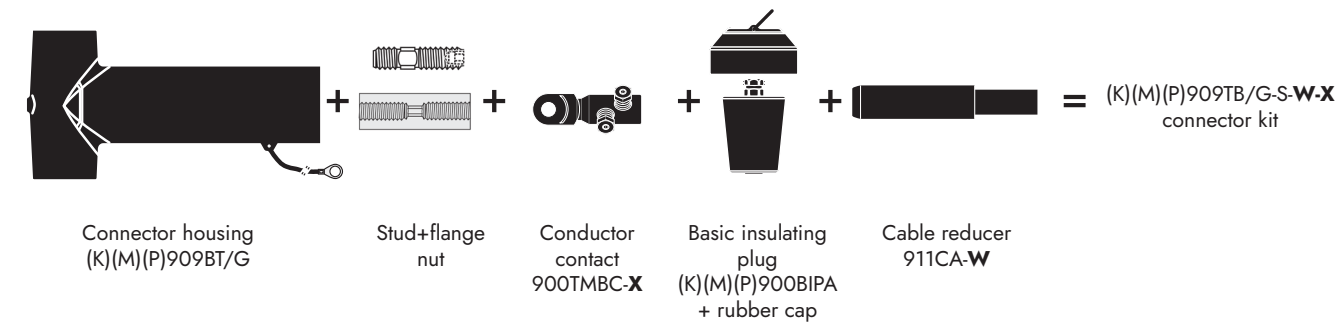
The 909TB separable connector meets the requirements of CENELEC HD 629.1.

Separable connector type	Voltage Um (kV)	Current Ir (A)	Conductor sizes (mm ²)	
			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

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-43-630.1000UN5 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 and copper conductor			
	Bolted			
240	120.300UN5			
300		185.400UN5		
400			400.630UN5	
500				
630				630.1000UN5
800				
1000				
1200				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 on vessels classed by DNV
Add -DNV to part number

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



(K)(M)(P)909PB

INTERFACE F COUPLING CONNECTOR

APPLICATION

Separable coupling connector (bolted type) for dual cable arrangement. It has been designed to be used with 909TB separable tee 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.

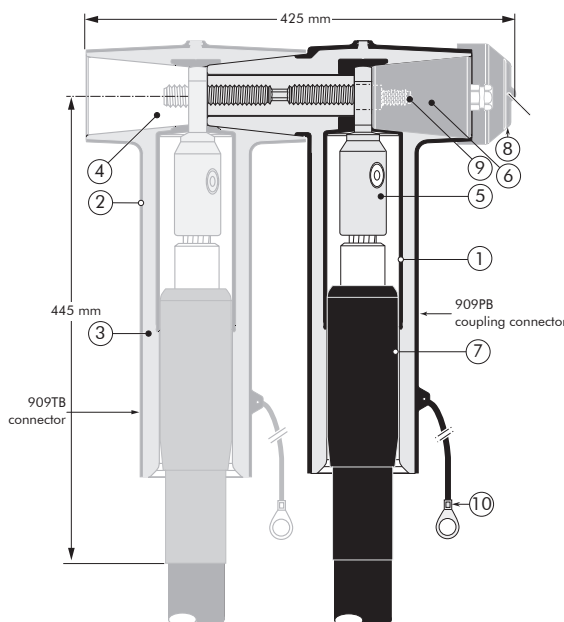


DESIGN

Separable connector comprising:

1. Conductive EPDM insert.
2. Conductive EPDM jacket.
3. Insulating EPDM layer moulded between the insert and the jacket.
4. Interface to fit 909TB.
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

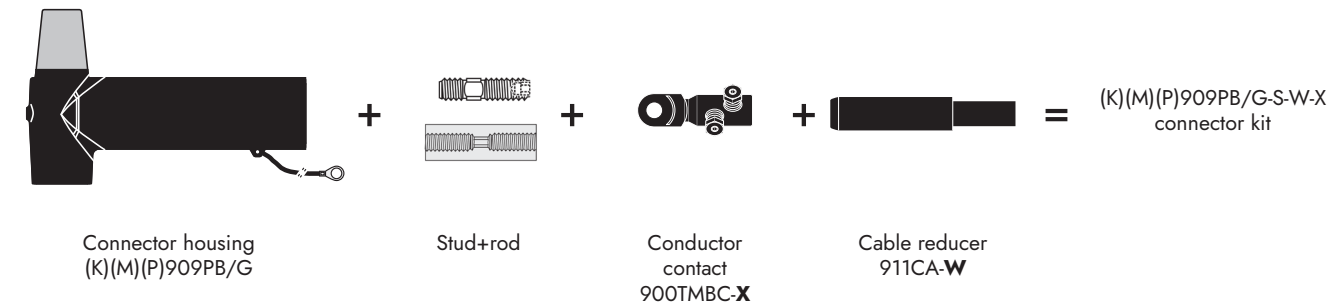
The 909PB separable connector meets the requirements of CENELEC HD 629.1.

Separable connector type	Voltage U_m (kV)	Current I_r (A)	Conductor sizes (mm ²)	
			min	max
909PB/G	12	630 - 1250 - 2500	500	1200
K909PB/G	24	630 - 1250 - 2500	400	1200
M909PB/G	36	630 - 1250 - 2500	240	1200
P909PB/G	42	630 - 1250	240	1200

KIT CONTENTS

The complete (K)(M)(P)909PB/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 M909PB/G-S-43-630.1000UN5 tee connector kit.

TABLE W

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

TABLE X

Conductor sizes (mm ²)	Aluminium and copper conductor			
	Bolted			
240	120.300UN5			
300		185.400UN5		
400			400.630UN5	
500				
630				630.1000UN5
800				
1000				
1200				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 on vessels classed by DNV
Add -DNV to part number

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



944TB

INTERFACE F TEE CONNECTOR

APPLICATION

Separable tee shape connector 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.

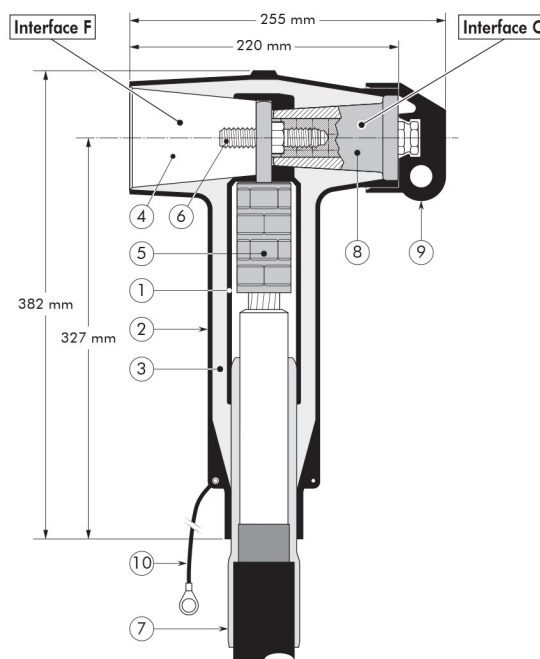


DESIGN

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 connector.
6. Clamping screw.
7. Cable reducer.
8. Basic insulating plug (with VD point), type C interface as described by CENELEC EN 50180 and 50181.
9. Conductive rubber cap.
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

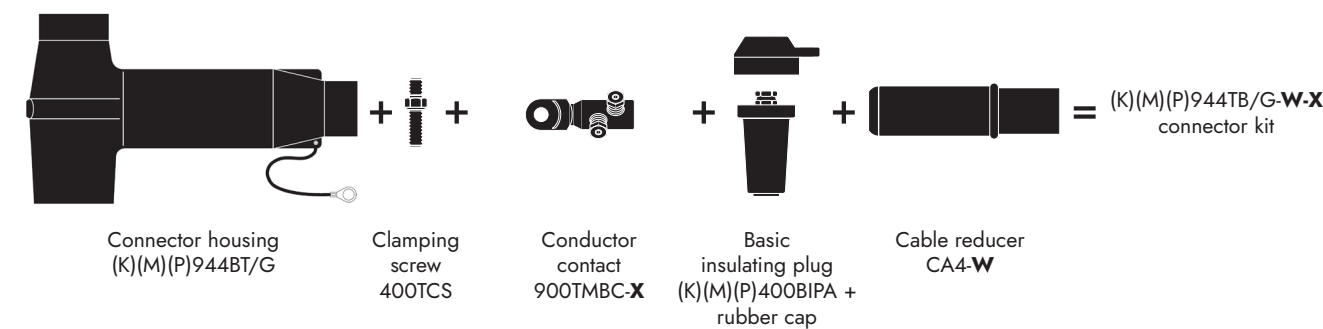
The 944TB/G separable connector meets the test requirements of CENELEC HD 629.1.

Separable connector type	Voltage U_m (kV)	Current I_r (A)	Conductor sizes (mm ²)	
			min	max
944TB/G	12	630 -1250 - 2500	70	630
K944TB/G	24	630 -1250 - 2500	35	630
M944TB/G	36	630 -1250 - 2500	35	630
P944TB/G	42	630 -1250	35	630

KIT CONTENTS

The complete tee connector kit comprises the following components:

The kit also comprises lubricant, wipers, installation instructions and crimp chart.



ORDERING INSTRUCTIONS

To order the tee connector, select the ordering part number which gives you the best centring of your core insulation diameter and substitute **X** using table X, according to your 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.

TABLE W

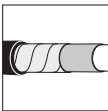
Ordering part number	Dia. over core insulation (mm)	
	min	max
944TB/G-4-15-X	16.0	22.0
944TB/G-4-19-X	20.0	26.5
944TB/G-4-22-X	23.5	31.0
944TB/G-4-27-X	28.5	37.5
944TB/G-4-32-X	34.0	42.5
944TB/G-4-37-X	39.0	48.5
944TB/G-4-41-X	43.5	55.0

TABLE X

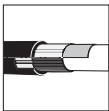
Conductor sizes (mm ²)	Aluminium and copper conductor			
	Bolted			
35	25.150UN5			
50				
70				
95				
120				
150	120.500UN5			
185				
240				
300	185.400UN5			
400				
500	400.630UN5			
630				

EXAMPLE:

The copper wire screened cable is 24 kV (Um), 630 mm² stranded aluminium with a diameter over core insulation of 42.4 mm. Order 3 x K944TB/G-S-4-37-400.630UN5 tee connector kit.



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



For use with Alupe or C 33-226 cables. Please contact our representative.



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



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



Components can be ordered individually.

900AR-1 / 2 / 3 / 4 / 7

INTERFACE F EQUIPMENT BUSHING

APPLICATION

For use in equipment, typically for transformers, switchgear, capacitors...

TECHNICAL CHARACTERISTICS

Each bushing is tested for AC withstand and partial discharge prior to leaving the factory.

SPECIFICATIONS AND STANDARDS

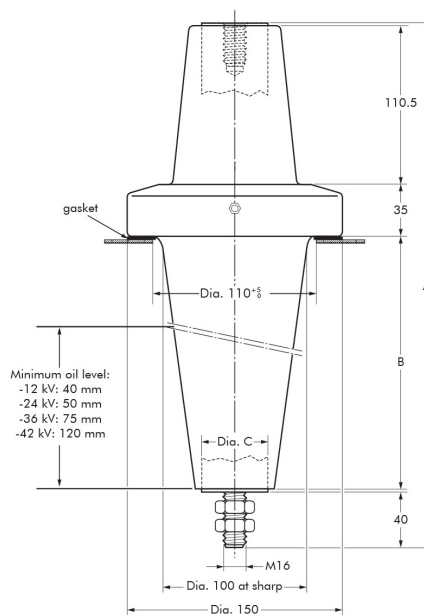
The bolted type equipment bushings 900AR-X are moulded epoxy insulated parts and meet the requirements of CENELEC EN 50180 and IEC 60137.

ORDERING INSTRUCTIONS

To order the equipment bushing, specify the 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.

The bushings can be supplied with an earth jumper (/J) or an earth plate (/GS). This earth connection must be specified when ordering. E.g. 900AR-4/GS.



In mm.

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

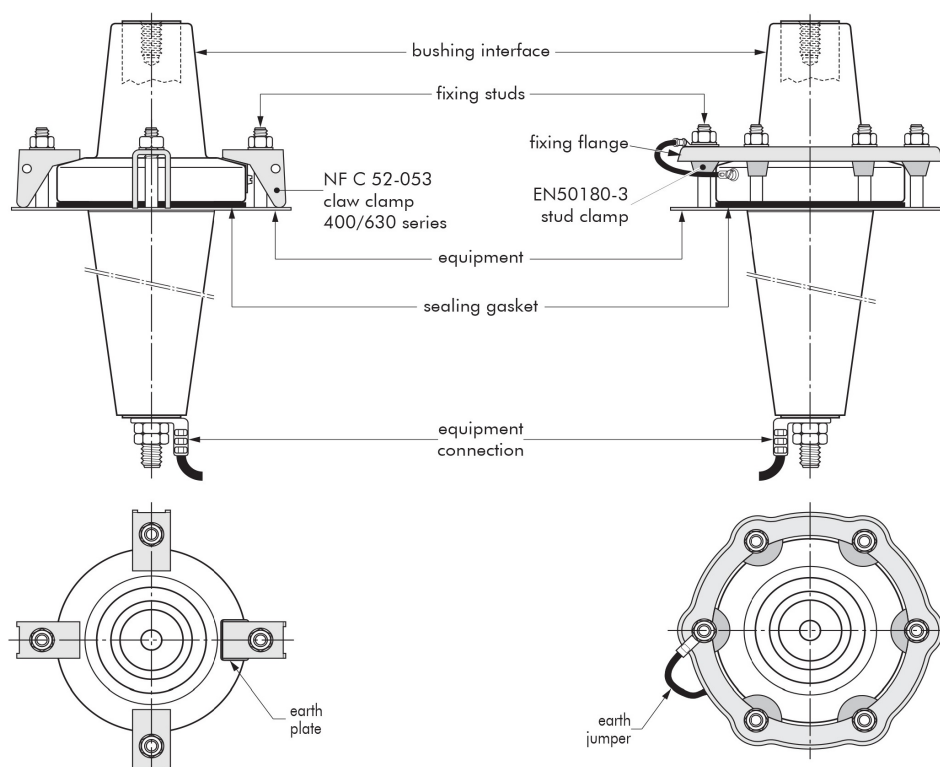
Up to 42 kV - 2500 A

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Equipment bushing type	Interface type	Voltage Um (kV)	Current Ir (A)	Dimensions (mm)		
				A	B	Dia. C
(K)(M)(P)900AR-1	F3	(24) (36) (42)	1250	364	175	32
(K)(M)(P)900AR-2	F2	(24) (36) (42)	630	364	175	25
(K)(M)900AR-3	F1	(24) (36)	2500	364	175	50
(K)(M)900AR-4	F1	(24) (36)	2500	259	70	50
(K)(M)(P)900AR-7	F2	(24) (36) (42)	630	259	70	25

FIXINGS FOR EQUIPMENT BUSHINGS

900AR-X/GS BUSHING



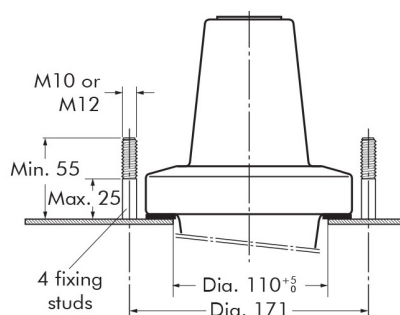
BUSHING CLAMPING KIT

To order the bushing clamping kit, according to NF C 52-053 standards, simply specify: KBC - NFC 52-053 /400 SERIES.

Contents: - 4 x claw clamp NF400
- 1 x sealing gasket.

FIXING DIMENSIONS STANDARDS NF C 52-053

French standards.

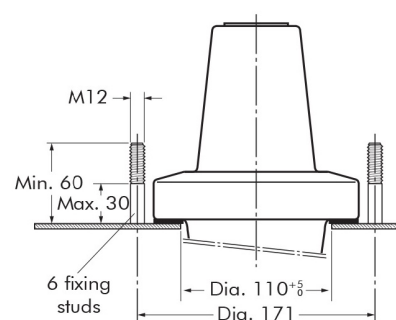


BUSHING CLAMPING KIT

To order the bushing clamping kit with DIN style fixing flange, simply specify: KBC - RING CLAMP 3.

Contents: - 1 x fixing flange
Ø150 mm
- 6 x stud clamp
EN50180-3
- 1 x sealing gasket.

FIXING DIMENSIONS



In mm.

APPLICATION

- The test rod can be used for:
 - cable fault location
 - cable testing
 - phasing checks, etc.
- Connections may be made with a cable lug, a 4 mm plug or spring clips.
- The test rod is not suitable for PD (partial discharge) measurements.

DESIGN

1. Insulating shroud.
2. Threaded rod for test connection.
3. Two nuts M12.
4. Insulation.
5. Test rod stem.

An insulating shroud is provided to allow the application of test voltages when bushings are closely spaced.

INSTALLATION

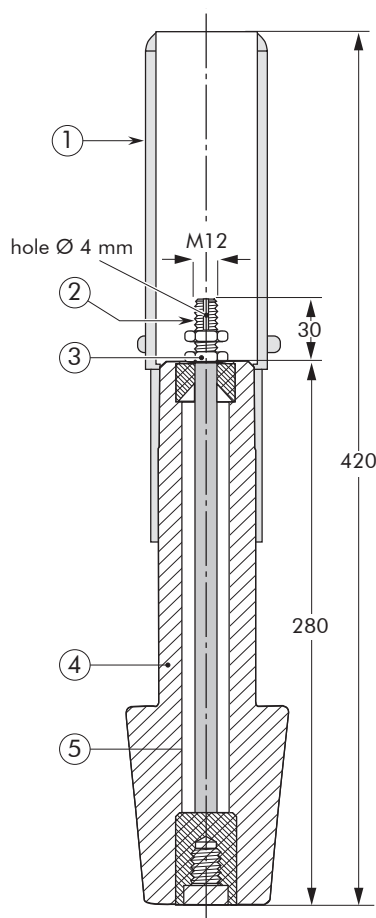
The test rod is mounted on to the clamping screw in the type F interface tee and coupling connectors. The test cable is connected to the threaded stem and the insulating shroud moved to its final position over the end of the test rod.

ORDERING INSTRUCTIONS

Simply specify:
900TR.

TECHNICAL CHARACTERISTICS

- The 900TR test rod can be used with 909TB and 909PB connectors.



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Test rod type	Maximum A.C. test voltage ($2 \times U_0$ - 5 min)	Maximum D.C. test voltage (30 min)	Maximum impulse voltage ($1.2 \times 50 \mu s$)	Maximum VLF test voltage ($3 \times U_0$ - 60 min)
900TR	up to 42 kV	96 kV	95 kV	up to 63 kV

ACCESSORIES

APPLICATION

For use with connectors and bushings with an interface F as described by CENELEC EN 50180 and 50181.

TECHNICAL CHARACTERISTICS

All these products, except the earthing plugs, are tested for AC withstand and partial discharge prior to leaving the factory.

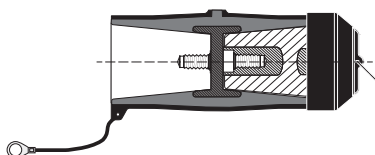
6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV
12/20 (24) kV
12.7/22 (24) kV
18/30 (36) kV
19/33 (36) kV
20.8/36 (42) kV

Up to 42 kV

EUROMOLD

900DR-B/G DEAD-END RECEPTACLE

Fits over a bushing with a type F interface to provide 'dead-end' facility. The dead-end receptacle is supplied with an earth lead.

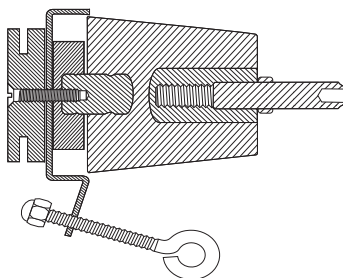


ORDERING INSTRUCTIONS

Order
900DR-B/G for 12 kV,
K900DR-B/G for 24 kV,
M900DR-B/G for 36 kV or
P900DR-B/G for 42 kV
applications.

900SOP-B STAND-OFF PLUG

Is designed to support and 'dead-end' connectors with a type F interface when removed from equipment.

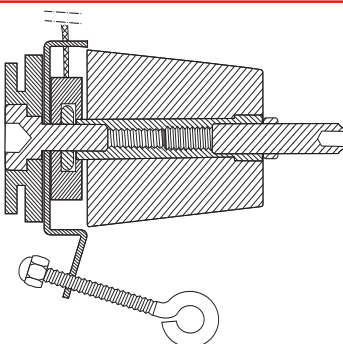


ORDERING INSTRUCTIONS

Order
900SOP-B for 12 kV,
K900SOP-B for 24 kV,
M900SOP-B for 36 kV or
P900SOP-B for 42 kV
applications.

900GP-B EARTHING PLUG

Is designed to support and earth connectors with a type F interface when removed from equipment.



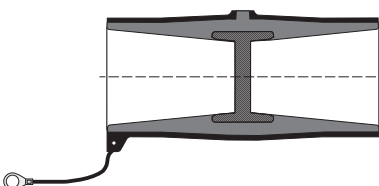
ORDERING INSTRUCTIONS

Order
900GP-B for 12, 24, 36 or
42 kV applications.

Order
900GP-SBT for a version with a
straight ball terminal.

900BE/G BUSHING EXTENDER

Provides an extension piece to allow cables to stand away from equipment. Is used in conjunction with the 900CP or 909PB. The bushing extender is supplied with an earth lead.



ORDERING INSTRUCTIONS

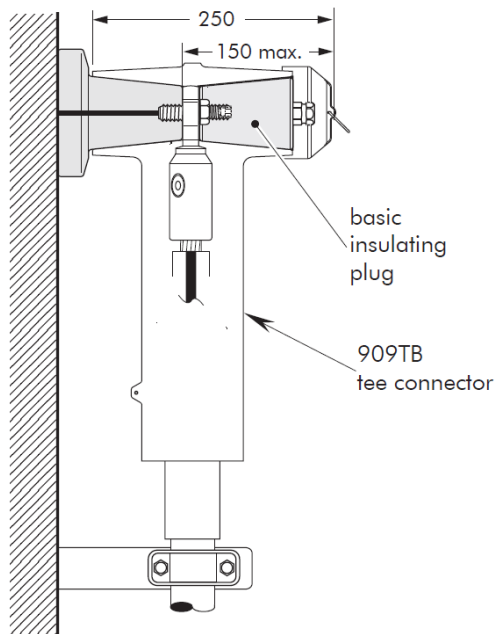
Order
900BE/G for 12 kV,
K900BE/G for 24 kV
M900BE/G for 36 kV or
P900BE/G for 42 kV
applications.

Note: delivered with stud/flange
nut.

POSSIBLE ARRANGEMENTS

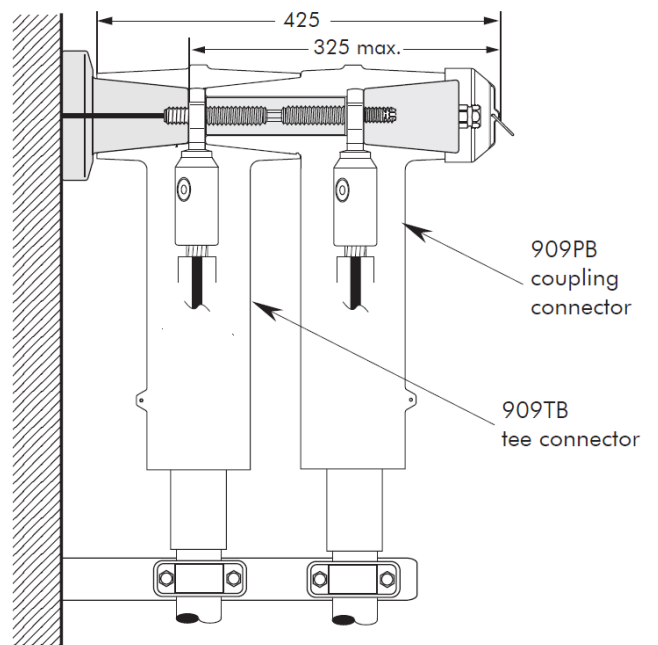
909TB/G

Single cable arrangement.

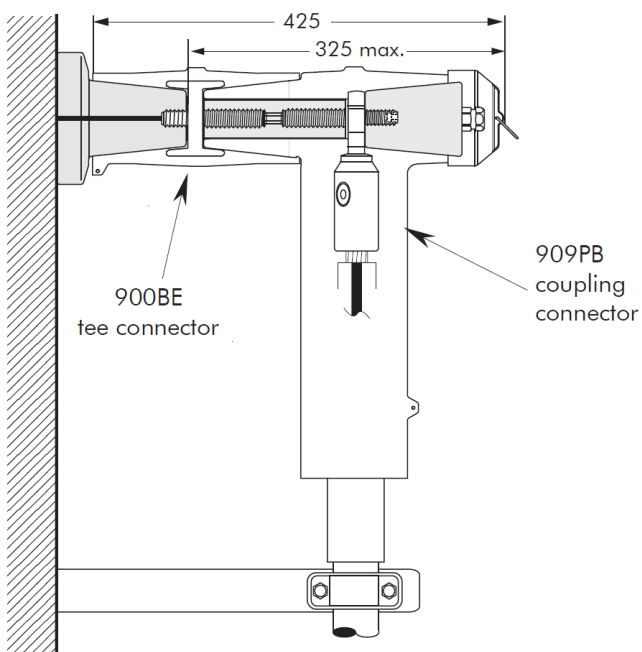


909TB/G-P2

Dual cable arrangement.



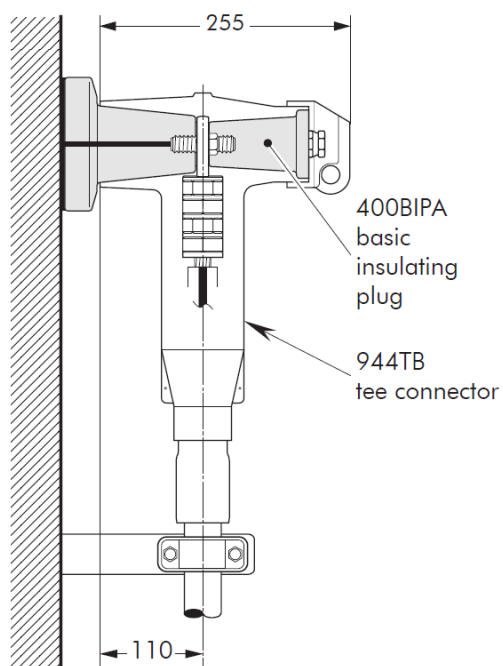
900BE/G+909PB/G



In mm.

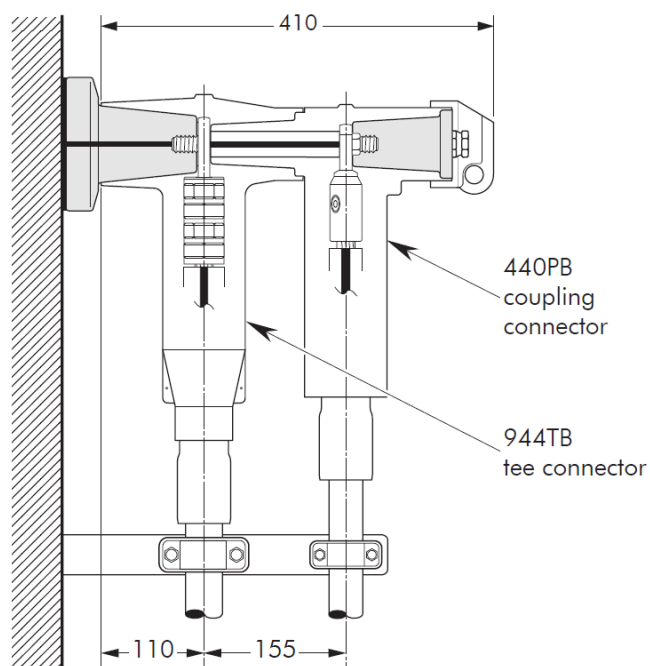
944TB/G

Single cable arrangement.



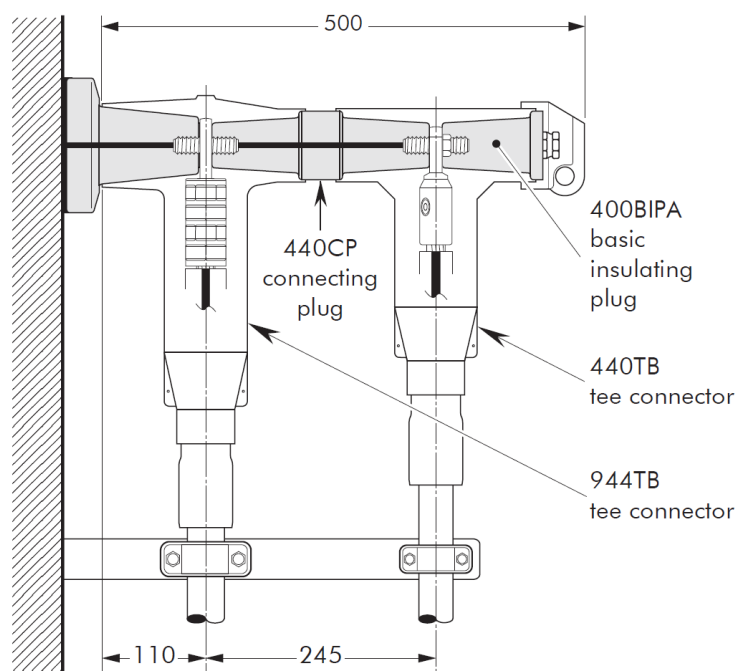
944TB/G+440PB/G

Dual cable arrangement.



944TB/ G+440CP+440TB/G

Dual cable arrangement.



In mm.

About Nexans

For over a century, Nexans has played a crucial role in the electrification of the planet and is committed to electrifying the future. With approximately 28,500 people in 41 countries, the Group is paving the way to a new world of safe, sustainable and decarbonized electricity that is accessible to everyone. In 2023, Nexans generated 6.5 billion euros in standard sales. The Group is a leader in the design and manufacturing of cable systems and services across four main business areas: Power Generation & Transmission, Distribution, Usage and Industry & Solutions.

Nexans was the first company in its industry to create a Foundation supporting sustainable initiatives, bringing access to energy to disadvantaged communities worldwide. The Group is recognized on the CDP Climate Change A List as a global leader on climate action and has committed to Net-Zero emissions by 2050 aligned with the Science Based Targets initiative (SBTi).

Nexans. Electrify the future.

Nexans is listed on Euronext Paris, compartment A.

For more information, please visit www.nexans.com

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