



 **EUROMOLD**

INTERFACE B

**Medium Voltage
Separable Connectors
And Bushings**

Catalogue 2026

 **Nexans**
ELECTRIFY THE FUTURE

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

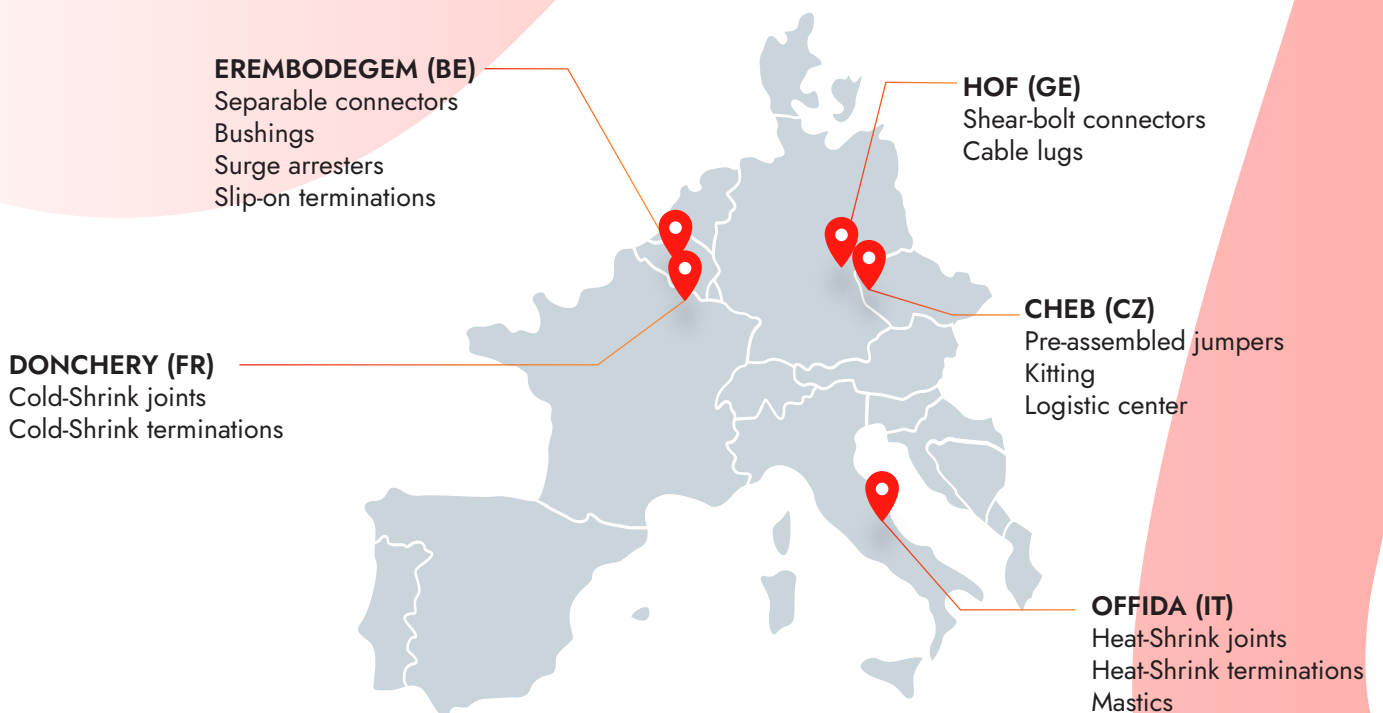
Since June 2000, Nexans independent ELAB laboratory obtained the BELAC accreditation no.144-TEST conform with the European standards for laboratories ISO 17025 for electrical testing of Low High, Medium and Low Voltage cable accessories according to the international standards EN 50393, IEC 60502-4, 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.



SEPARABLE CONNECTORS

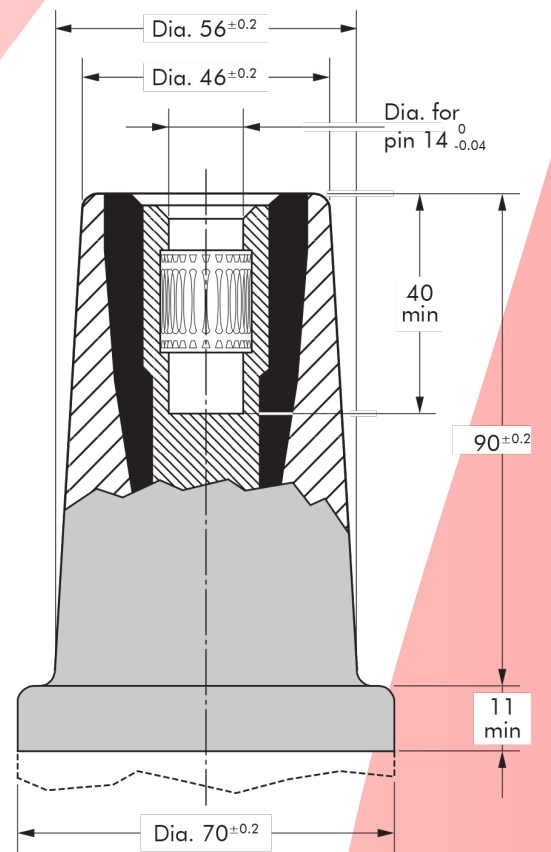
INTERFACE B

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INTERFACE B

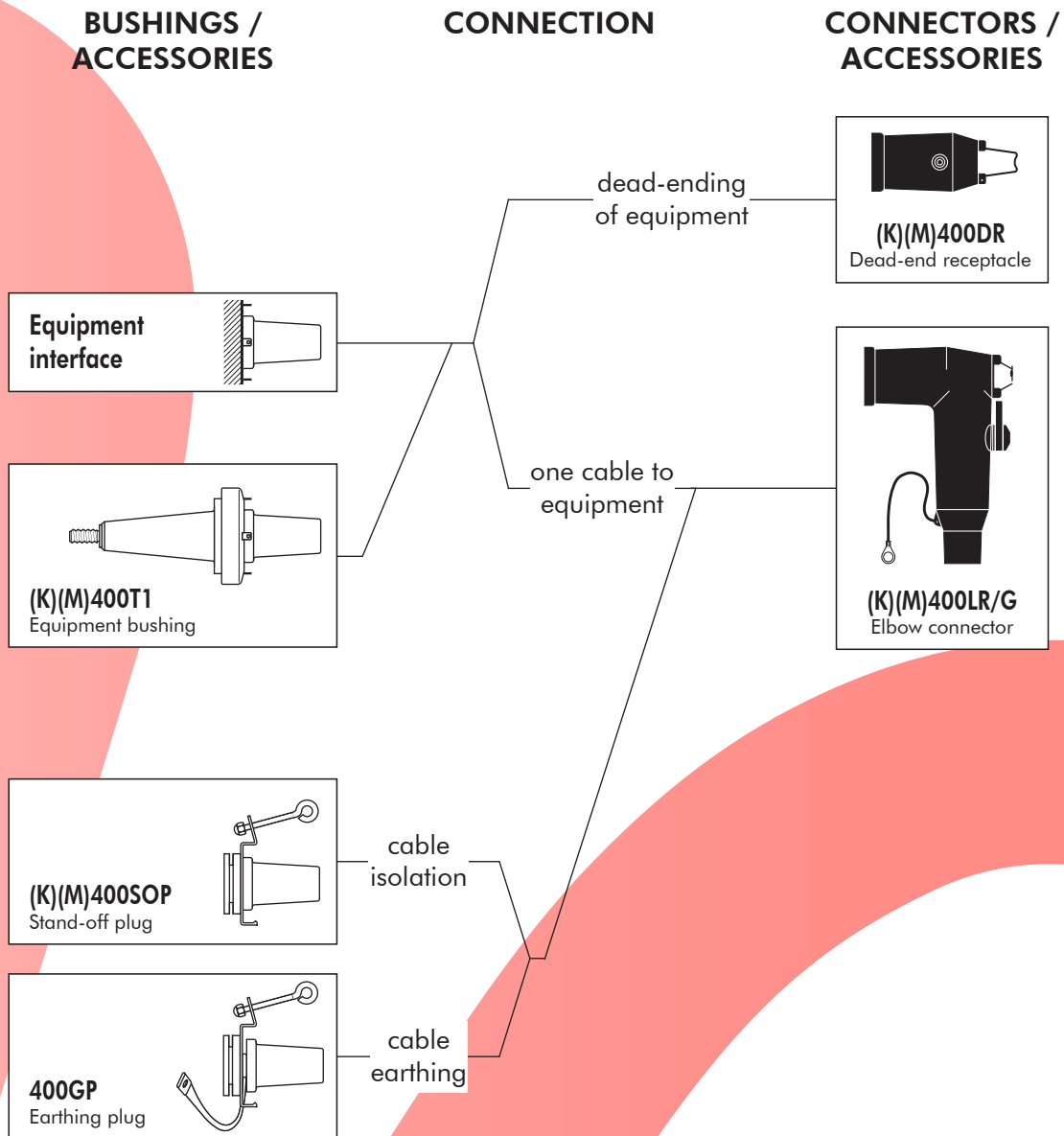
Dimensions according to European CENELEC EN 50180 and 50181 (in mm).



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.

CONNECTING POSSIBILITIES



400LR

APPLICATION

Separable elbow connector (plug-in type) designed to connect polymeric insulated cable to equipment (transformers, switchgear, motors...).

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.

INTERFACE B ELBOW CONNECTOR

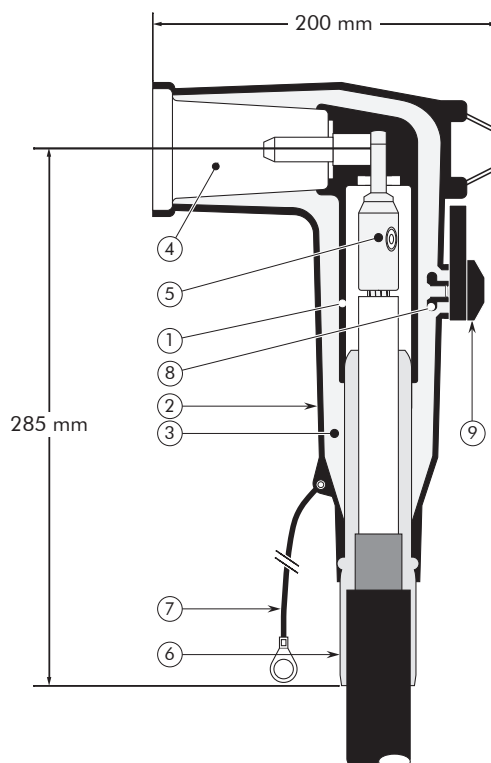


DESIGN

Separable connector comprising:

1. Conductive EPDM insert.
2. Conductive EPDM jacket.
3. Insulating EPDM layer.
4. Type B - interface as described by CENELEC EN 50180 and 50181.
5. Conductor connector.
6. Cable reducer.
7. Earthing lead.
8. VD point.
9. Conductive rubber cap.

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

Up to 36 kV - 400 A

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SPECIFICATIONS AND STANDARDS

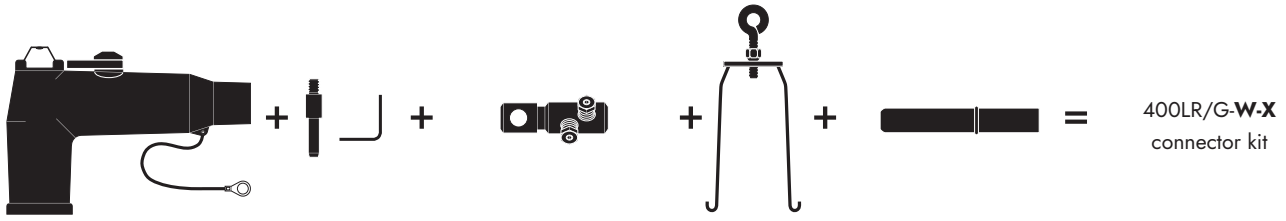
The separable connector 400LR meets the requirements of CENELEC HD 629.1.

Separable connector type	Voltage U_m (kV)	Current I_r (A)	Conductor sizes (mm ²)	
			min	max
400LR/G	12	400	25	240
K400LR/G	24	400	25	240
M400LR/G	36	400	35	185

KIT CONTENTS

The complete (K)(M)400LR/G elbow connector kit comprises the following components:

The kit also comprises silicone grease, gloves, wipers, roll adhesive tape and installation instructions.



Connector housing
(K)(M) 400BLR/G

Pin contact
+ hex. key
400LRF

Conductor
contact
400LRMC-X

Bail
restraint
400BA

Cable reducer
CA0-W

400LR/G-W-X
connector kit

ORDERING INSTRUCTIONS

To order the elbow connector, select the part number which gives the best centring to the cable 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.

TABLE W

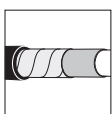
Ordering part number	Dia. over core insulation (mm)	
	min	max
400LR/G-011-X	12.0	19.0
400LR/G-015-X	16.0	26.5
400LR/G-018-X	19.0	32.6
400LR/G-021-X	22.0	34.6
400LR/G-027-X	28.5	37.5

EXAMPLE:

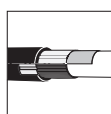
The cable is 24 kV, 185 mm² stranded copper with a diameter over core insulation of 27.5 mm. Order a K400LR/G-018-95.240UN5 elbow connector kit.

TABLE X

Conductor sizes (mm ²)	Aluminium and copper conductor	
	Bolted	
25	25.95UN5	
35		
50		
70		
95		
120		95.240UN5
150		
185		
240		



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.

400T1

APPLICATION

For use in equipment insulated with oil fluid, typically for transformers, switchgear, capacitors...

TECHNICAL CHARACTERISTICS

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

INTERFACE B2 EQUIPMENT BUSHINGS

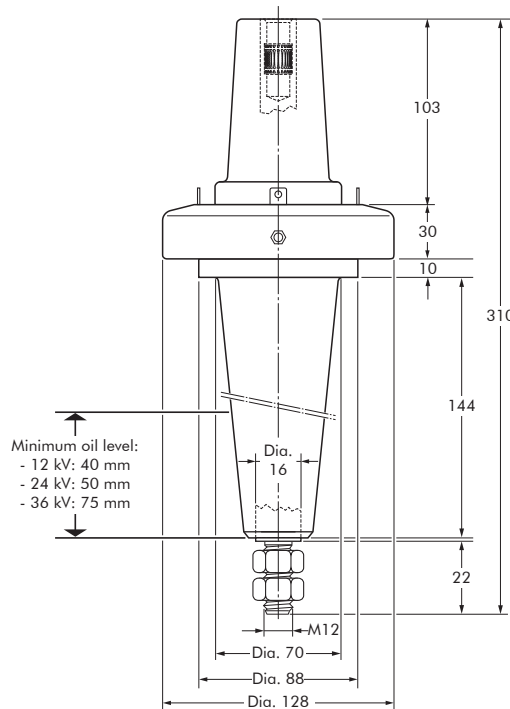


SPECIFICATIONS AND STANDARDS

The plug-in type equipment bushings 400T1 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. The bushings are supplied with an earth jumper (/J) or an earth plate (/GS). This earth connection must be specified when ordering. E.g. K400AR-1/J.



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

Up to 36 kV - 400 A

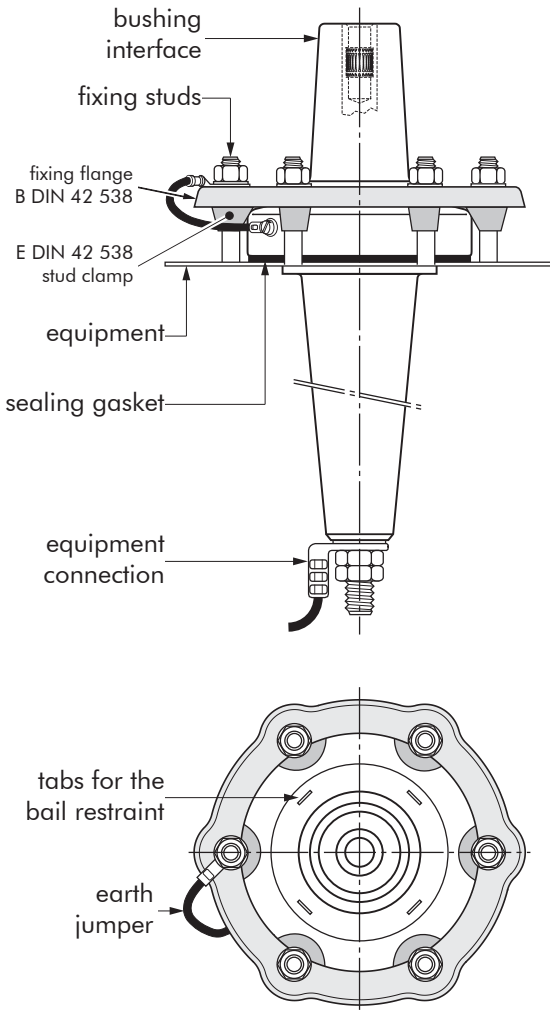
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In mm.

Equipment bushing type	Voltage U_m (kV)	Current I_r (A)
400T1	12	400
K400T1	24	400
M400T1	36	400

FIXINGS FOR EQUIPMENT BUSHINGS

400T1/J BUSHINGS



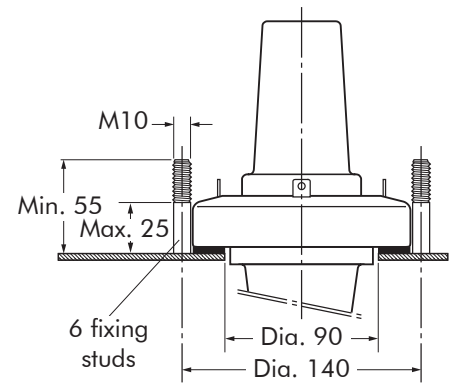
BUSHING CLAMPING KIT

To order the bushing clamping kit, according to DIN 42 538 standards, simply specify: KBC - RING CLAMP 2.

- Contents:
- 1 x fixing flange B
 - 6 x stud clamp E
 - 1 x sealing gasket.

FIXING DIMENSIONS STANDARDS DIN 42 538

German standards.



In mm.

In mm.



ACCESSORIES

APPLICATION

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

TECHNICAL CHARACTERISTICS

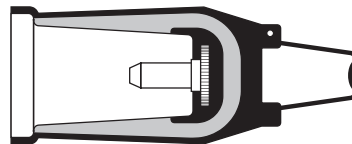
All these products, except the earthing plug, are tested for AC withstand and partial discharge prior to leaving the factory.

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

Up to 36 kV

400DR DEAD-END RECEPTACLE

Fits over a bushing with a type B interface to provide 'dead-end' facility.
Is used with a 400BA restraint bail.

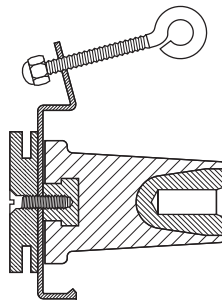


ORDERING INSTRUCTIONS

Order
400DR for 12 kV,
K400DR for 24 kV or
M400DR for 36 kV
applications.
Can be supplied with integral earth
lead: add -/G.

400SOP STAND-OFF PLUG

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

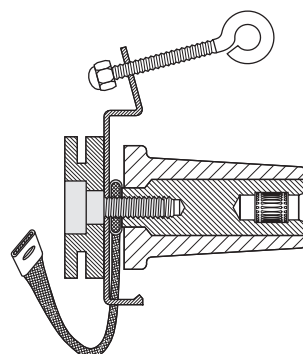


ORDERING INSTRUCTIONS

Order
400SOP for 12 kV,
K400SOP for 24 kV or
M400SOP for 36 kV
applications.

400GP EARTHING PLUG

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



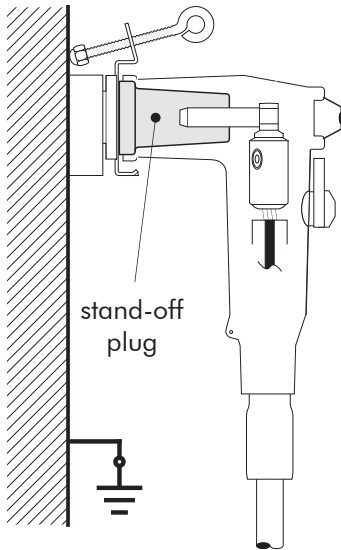
ORDERING INSTRUCTIONS

Order
400GP for 12 kV, 24 or 36 kV
applications.

POSSIBLE ARRANGEMENTS

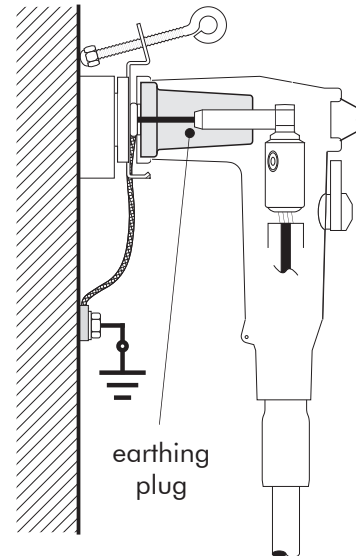
CONNECTOR ON STAND-OFF PLUG

Order 400SOP for 12 kV,
K400SOP for 24 kV or M400SOP
for 36 kV applications.



CONNECTOR ON EARTHING PLUG

Order 400GP for 12 kV, 24 kV and
36 kV applications.



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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Find out more about Nexans Power Accessories.