EUROMOLD
Nexans is the leading European specialised designer, manufacturer and distributor of prefabricated cable accessories for medium voltage energy distribution. Under its tradename Euromold, it provides a complete range of accessories for underground cables: premoulded EPDM rubber connectors for cables and epoxy bushings for transformers and switchgear, as well as a large range of cold-shrinkable terminations and joints from 12 to 42 kV.

Nexans division Euromold is also the manufacturer of electrical components for the high voltage accessories of the Nexans group.

ISO 9001 Certificate
Since 1992, Nexans' commitment to quality is demonstrated by its ISO 9001 certification. We are also certified in the important sectors of environmental protection and occupational safety.

International standards
All our products meet the International standards like CENELEC HD 629.1, CENELEC EN 50180, IEC 60137, IEC 60502-4... or country specifications. Official certificates, CESI, KEMA, ATEX... prove the conformity of our products. Long duration tests of existing or new products are continuously performed in our test fields.

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.
EQUIPMENT BUSHINGS

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DIMENSIONS

These diagrams show the dimensions of the interfaces of equipment bushings according to CENELEC standards EN 50180:2010 and EN 50181:2010.

DIMENSIONS & RATINGS
OF EQUIPMENT BUSHINGS

SHORT CIRCUIT RATINGS

<table>
<thead>
<tr>
<th>Interface type</th>
<th>Current rating (A)</th>
<th>Interface type</th>
<th>Current rating (A)</th>
<th>Interface type</th>
<th>Current rating (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interface A1</td>
<td>Pin and socket</td>
<td>Interface B1 &amp; B2</td>
<td>Pin and socket</td>
<td>Interface C1 &amp; C2</td>
<td>Pin and socket</td>
</tr>
<tr>
<td>Interface D1 &amp; D2</td>
<td>Bolled</td>
<td>Interface F1, F2 &amp; F3</td>
<td>Bolled</td>
<td>Interface F1, F2 &amp; F3</td>
<td>Bolled</td>
</tr>
</tbody>
</table>

In mm.
**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.

**DESIGN**
- The equipment bushings are moulded epoxy insulated parts in accordance with CENELEC EN 50180.
- The 180AR-2 bushing has a length B outside this standard.
- The standard bushings, (K)180AR-1/-2/-3, are equipped with 6 tabs for the bail restraint.
- The (K)180AR-1-G and (K)180AR-3-G are equipped with 4 tabs and 2 threaded inserts M6 (-G version).

**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. K180AR-1/J.

**SPECIFICATIONS AND STANDARDS**
The plug-in type equipment bushings 180AR-... meet the requirements of CENELEC EN 50180 and IEC 60137.

<table>
<thead>
<tr>
<th>Equipment bushing type</th>
<th>Voltage Um (kV)</th>
<th>Current Ir (A)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>180AR-1</td>
<td>12</td>
<td>250</td>
<td>222</td>
</tr>
<tr>
<td>K180AR-1</td>
<td>24</td>
<td>250</td>
<td>222</td>
</tr>
<tr>
<td>180AR-2</td>
<td>12</td>
<td>250</td>
<td>284</td>
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<tr>
<td>K180AR-2</td>
<td>24</td>
<td>250</td>
<td>284</td>
</tr>
<tr>
<td>180AR-3</td>
<td>12</td>
<td>250</td>
<td>171</td>
</tr>
<tr>
<td>K180AR-3</td>
<td>24</td>
<td>250</td>
<td>171</td>
</tr>
</tbody>
</table>

**EUROMOLD®**

6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV
12/20 (24) kV
12.7/22 (24) kV

Up to 24 kV - 250 A
**FIXINGS FOR EQUIPMENT BUSHINGS**

180AR-1/GS
180AR-1-G/GS
180AR-2/GS
180AR-3/GS AND
180AR-3-G/GS BUSHINGS

180AR-1/J
180AR-1-G/J
180AR-2/J
180AR-3/J AND
180AR-3-G/J BUSHINGS

---

**BUSHING CLAMPING KIT**
To order the bushing clamping kit, according to NF C 52-053 standards, simply specify KBC-NF1-200.
Contents: - 3 x claw clamp NF - 1 x sealing gasket.

**BUSHING CLAMPING KIT**
To order the bushing clamping kit, according to DIN 42 538 standards, simply specify: KBCD-200.
Contents: - 1 x fixing flange A - 4 x stud clamp E - 1 x sealing gasket.

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**FIXING DIMENSIONS**
**STANDARDS NF C 52-053**
French standards.

**FIXING DIMENSIONS**
**STANDARDS DIN 42 538**
German standards.

---

In mm.
**APPLICATION**
For use in equipment insulated with air, typically for dry type transformers, motors, switchgear, capacitors...

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

**SPECIFICATIONS AND STANDARDS**
The plug-in type equipment bushings 180A-24P-O are moulded epoxy insulated parts and meet the requirements of CENELEC EN 50181, IEC 60071 and IEC 60137.

**ORDERING INSTRUCTIONS**
To order the equipment bushing, specify the type.
The bushings are supplied with an earth jumper.
To include the ring clamp, add:
• /B, if per British standards
• /D, if per German standards
• /F, if per French standards.
E.g. 180A-24P-O/F.

**Equipment bushing type** | **Voltage Um (kV)** | **Current Ir (A)** | **Creepage distance A-B (mm)**
--- | --- | --- | ---
180A-24P-O | 12 | 250 | 630
180A-24P-O | 24 | 250 | 630

**EUROMOLD®**

**In mm.**

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**INTERFACE A1 IN-AIR BUSHING**

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**FIXINGS FOR EQUIPMENT BUSHINGS**

180A-24P-O IN-AIR BUSHING

- Bushing interface
- Fixing studs and nuts M10
- Earth jumper
- Equipment
- Gasket
- Fixing flange BCA-B or BCA-D
- Fixing flange BCA-F
- Tabs for bail restraint
- Equipment connection

**FIXING DIMENSIONS**

**STANDARDS DIN 42 538**

German standards.

**STANDARDS NF C 52-053**

French standards.
### 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.

### Specifications and Standards
The plug-in type equipment bushings are moulded epoxy insulated parts and meet the requirements of IEC 60137. The (K)(M)400T1 also meets CENELEC EN 50180.

### 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.

### EUROMOLD®

#### Up to 36 kV - 400 A

<table>
<thead>
<tr>
<th>Equipment bushing type</th>
<th>Voltage Um (kV)</th>
<th>Current Ir (A)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>400T1</td>
<td>12</td>
<td>400</td>
<td>310</td>
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<tr>
<td>K400T1</td>
<td>24</td>
<td>400</td>
<td>310</td>
</tr>
<tr>
<td>M400T1</td>
<td>36</td>
<td>400</td>
<td>310</td>
</tr>
<tr>
<td>400AR-1</td>
<td>12</td>
<td>400</td>
<td>380</td>
</tr>
<tr>
<td>K400AR-1</td>
<td>24</td>
<td>400</td>
<td>380</td>
</tr>
<tr>
<td>M400AR-1</td>
<td>36</td>
<td>400</td>
<td>380</td>
</tr>
<tr>
<td>400AR-2</td>
<td>12</td>
<td>400</td>
<td>329</td>
</tr>
<tr>
<td>K400AR-2</td>
<td>24</td>
<td>400</td>
<td>329</td>
</tr>
<tr>
<td>M400AR-2</td>
<td>36</td>
<td>400</td>
<td>329</td>
</tr>
</tbody>
</table>

Minimum oil level:
- 12 kV: 40 mm
- 24 kV: 50 mm
- 36 kV: 75 mm

Minimum oil level: 103
FIXINGS FOR EQUIPMENT BUSHINGS

400AR-2/GS BUSHING

400AR-2/J BUSHING

400AR-1/J AND 400T1/J BUSHINGS

BUSHING CLAMPING KIT
To order the bushing clamping kit, according to NF C 52-053 standards, simply specify KBCNF-400 (for bushing type 400AR-2).
Contents: - 4 x claw clamp NF
- 1 x sealing gasket.

BUSHING CLAMPING KIT
To order the bushing clamping kit, according to DIN 42 538 standards, simply specify KBCD-400B.
Contents: - 1 x fixing flange B
- 6 x stud clamp E
- 1 x sealing gasket.

BUSHING CLAMPING KIT
To order the bushing clamping kit, according to DIN 42 538 standards, simply specify KBCD-400B.
Contents: - 1 x fixing flange B
- 6 x stud clamp E
- 1 x sealing gasket.

FIXING DIMENSIONS
STANDARDS NF C 52-053
French standards.

FIXING DIMENSIONS
STANDARDS DIN 42 538
German standards.

Dia. 105
Min. 55
Max. 25
4 fixing studs

Dia. 171

Dia. 105
Min. 60
Max. 30
6 fixing studs

Dia. 171

Dia. 140
Min. 55
Max. 30
6 fixing studs

In mm.
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.

SPECIFICATIONS AND STANDARDS
The plug-in type equipment bushings 400AR-8 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 can be supplied with an earth jumper (/J). E.g. M400AR-8/J.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Equipment bushing type</th>
<th>Voltage Um (kV)</th>
<th>Current Ir (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>400AR-8</td>
<td>12</td>
<td>250</td>
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<tr>
<td>K400AR-8</td>
<td>24</td>
<td>250</td>
</tr>
<tr>
<td>M400AR-8</td>
<td>36</td>
<td>250</td>
</tr>
</tbody>
</table>

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Up to 36 kV - 250 A

Nexans
**FIXINGS FOR EQUIPMENT BUSHINGS**

**400AR-8/J BUSHING**

- bushing interface
- 4 x fixing stud M10
- A DIN 42 538 fixing flange
- E DIN 42 538 stud clamp
- equipment
- sealing gasket
- equipment connection
- tabs for the bail restraint
- earth jumper

**BUSHING CLAMPING KIT**

To order the bushing clamping kit, according to DIN 42 538 standards, simply specify: KBCD-200.

Contents:
- 1 x fixing flange A
- 4 x stud clamp E
- 1 x sealing gasket.

**FIXING DIMENSIONS**

**STANDARDS DIN 42 538**

German standards.

In mm.
400SFR-P

APPLICATION
For use in equipment insulated with SF₆ gas.

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

DESIGN
The equipment bushing is a moulded epoxy insulated part with a connector interface in accordance with CENELEC EN 50181. The 400SFR-P bushing has a shank outside this standard, adapted for use in SF₆ gas.

SPECIFICATIONS AND STANDARDS
The plug-in type equipment bushing 400SFR-P meets the requirements of CENELEC EN 50180 and IEC 60137.

ORDERING INSTRUCTIONS
To order the equipment bushing, simply specify the type.

<table>
<thead>
<tr>
<th>Equipment bushing type</th>
<th>Voltage Um (kV)</th>
<th>Current Ir (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>400SFR-P</td>
<td>12</td>
<td>400</td>
</tr>
<tr>
<td>K400SFR-P</td>
<td>24</td>
<td>400</td>
</tr>
</tbody>
</table>

6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV
12/20 (24) kV
12.7/22 (24) kV

Up to 24 kV - 400 A

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FIXINGS FOR EQUIPMENT BUSHINGS

400SFR-P BUSHING FOR GAS INSULATED SWITCHGEAR

In mm.
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.

SPECIFICATIONS AND STANDARDS
The bolted type equipment bushings 400AR-3 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 can be supplied with an earth jumper (/J).
E.g. M400AR-3/J.
For use in potentially explosive atmospheres (for 12 kV max), order: 400AR-3/ATEX.

EUROMOLD®

<table>
<thead>
<tr>
<th>Equipment bushing type</th>
<th>Voltage Um (kV)</th>
<th>Current Ir (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>400AR-3</td>
<td>12</td>
<td>630</td>
</tr>
<tr>
<td>K400AR-3</td>
<td>24</td>
<td>630</td>
</tr>
<tr>
<td>M400AR-3</td>
<td>36</td>
<td>630</td>
</tr>
</tbody>
</table>

Minimum oil level:
- 12 kV: 40 mm
- 24 kV: 50 mm
- 36 kV: 75 mm

Up to 36kV - 630A

In mm.
FIXINGS FOR EQUIPMENT BUSHINGS

400AR-3/J BUSHING

BUSHING CLAMPING KIT
To order the bushing clamping kit, according to DIN 42 538 standards, simply specify KBCD-400B.
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.
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.

SPECIFICATIONS AND STANDARDS
The bolted type equipment bushings 400AR-4 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 can be supplied with an earth jumper (/J) or an earth plate (/GS). This earth connection must be specified when ordering. E.g. M400AR-4/GS.

EUROMOLD®
Up to 36kV - 1250A

<table>
<thead>
<tr>
<th>Equipment bushing type</th>
<th>Voltage Um (kV)</th>
<th>Current Ir (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>400AR-4</td>
<td>12</td>
<td>1250</td>
</tr>
<tr>
<td>K400AR-4</td>
<td>24</td>
<td>1250</td>
</tr>
<tr>
<td>M400AR-4</td>
<td>36</td>
<td>1250</td>
</tr>
</tbody>
</table>
**FIXINGS FOR EQUIPMENT BUSHINGS**

### 400AR-4/GS BUSHING

**Bushings Interface**
- **Fixing Studs**
- **NF C 52-053 Claw Clamp**
- **Equipment**
- **Sealing Gasket**
- **Equipment Connection**

**Bushing Clamping Kit**
To order the bushing clamping kit, according to NFC 52-053 standards, simply specify KBC-NF-400.

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

**Fixing Dimensions**
**Standards NFC 52-053**
French standards.

### 400AR-4/J BUSHING

**Bushings Interface**
- **Fixing Flange**
- **F DIN 42 538 Stud Clamp**
- **Equipment**
- **Sealing Gasket**
- **Equipment Connection**

**Bushing Clamping Kit**
To order the bushing clamping kit with DIN style fixing flange, simply specify KBCDS-400.

**Contents:**
- 1 x fixing flange DIN style
- 6 x stud clamp F DIN 42 538
- 1 x sealing gasket.

**Fixing Dimensions**
**Standards NFC 52-053**

- **M10 or M12**
- **Min. 55**
- **Max. 25**
- **Dia. 105**
- **Dia. 171**

- **4 fixing studs**

- **M12**
- **Min. 60**
- **Max. 30**
- **Dia. 105**
- **Dia. 171**

- **6 fixing studs**

In mm.
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.

Specifications and Standards
The bolted type equipment bushings 400AR-5 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 can be supplied with an earth jumper (/J) or an earth plate (/GS). This earth connection must be specified when ordering. E.g. M400AR-5/GS.

<table>
<thead>
<tr>
<th>Equipment bushing type</th>
<th>Voltage Um (kV)</th>
<th>Current Ir (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>400AR-5</td>
<td>12</td>
<td>1250</td>
</tr>
<tr>
<td>K400AR-5</td>
<td>24</td>
<td>1250</td>
</tr>
<tr>
<td>M400AR-5</td>
<td>36</td>
<td>1250</td>
</tr>
</tbody>
</table>
**FIXINGS FOR EQUIPMENT BUSHINGS**

**400AR-5/GS BUSHING**

- bushing interface
- fixing studs
- fixing flange
- NF C 52-053 claw clamp
- F DIN 42 538 stud clamp
- equipment
- sealing gasket
- equipment connection

---

**BUSHING CLAMPING KIT**

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

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

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**FIXING DIMENSIONS STANDARDS NF C 52-053**

French standards.

---

**400AR-5/J BUSHING**

- earth plate
- earth jumper

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**BUSHING CLAMPING KIT**

To order the bushing clamping kit with DIN style fixing flange, simply specify KBCDS-400.

Contents:
- 1 x fixing flange DIN style
- 6 x stud clamp F DIN 42 538
- 1 x sealing gasket.

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**FIXING DIMENSIONS**

- M10 or M12
- Min. 55
- Max. 25
- 4 fixing studs
- Dia. 105
- Dia. 171

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In mm.
**Equipment bushing type** | **Voltage $U_m$ (kV)** | **Current $I_r$ (A)**
--- | --- | ---
400AR-6 | 12 | 630
K400AR-6 | 24 | 630
M400AR-6 | 36 | 630
**FIXINGS FOR EQUIPMENT BUSHINGS**

**400AR-6/J BUSHING**

- Bushing interface
- Fixing studs
- Fixing flange B DIN 42 538
- Stud clamp E DIN 42 538
- Equipment connection
- Sealing gasket
- Earth jumper

**BUSHING CLAMPING KIT**

To order the bushing clamping kit, according to DIN 42 538 standards, simply specify KBCD-400B.

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.**
APPLICATION
For use in equipment insulated with SF₆ gas.

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

DESIGN
The equipment bushing is a moulded epoxy insulated part with a connector interface in accordance with CENELEC EN 50181. The 400SFR-B bushing has a shank outside this standard, adapted to use in SF₆ gas.

SPECIFICATIONS AND STANDARDS
The bolted type equipment bushing 400SFR-B meets the requirements of CENELEC EN 50180 and IEC 60137.

ORDERING INSTRUCTIONS
To order the equipment bushing, simply specify the type.

<table>
<thead>
<tr>
<th>Equipment bushing type</th>
<th>Voltage Um (kV)</th>
<th>Interface</th>
<th>Current Ir (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>400SFR-B 1250 A</td>
<td>12</td>
<td>C2</td>
<td>1250</td>
</tr>
<tr>
<td>K400SFR-B 1250 A</td>
<td>24</td>
<td>C2</td>
<td>1250</td>
</tr>
<tr>
<td>M400SFR-B 1250 A</td>
<td>36</td>
<td>C2</td>
<td>1250</td>
</tr>
</tbody>
</table>

EUROMOLD®

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 36kV - 1250 A
400SFR-B BUSHING FOR GAS INSULATED SWITCHGEAR

UNMOUNTED

- Dia. 91.5
- Dia. 103.1
- 60°
- 60°
- 60°
- 30°
- M6
- Earth connection M4

MOUNTED

- 30°
- Dia. 103.1

- Bushing interface
- 6 fixing screws M6
- Sealing O-ring gasket
- Equipment
earth connection M4

In mm.
**APPLICATION**
For use in equipment insulated with air, typically for dry type transformers, motors, switchgear, capacitors...

**SPECIFICATIONS AND STANDARDS**
The bolted type equipment bushings 400A-24B are moulded epoxy insulated parts and meet the requirements of CENELEC EN 50180, IEC 60071 and IEC 60137.

**ORDERING INSTRUCTIONS**
To order the equipment bushing, specify the type.
The bushings are supplied with an earth jumper.
To include the ring clamp, add:
- /B, if per British standards
- /D, if per German standards
- /F, if per French standards.
E.g. 400A-24B/D.
For use in potentially explosive atmospheres (for 12 kV max), order: -/ATEX.

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

**EUROMOLD®**

<table>
<thead>
<tr>
<th>Equipment bushing type</th>
<th>Voltage Um (kV)</th>
<th>Current Ir (A)</th>
<th>Creepage distance A-B (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>400A-24B</td>
<td>12</td>
<td>630</td>
<td>520</td>
</tr>
<tr>
<td>400A-24B</td>
<td>24</td>
<td>630</td>
<td>520</td>
</tr>
</tbody>
</table>

**Up to 24 kV - 630 A**

6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV
12/20 (24) kV
12.7/22 (24) kV

**INTERFACE C1**
IN-AIR BUSHING

**In mm.**
FIXINGS FOR EQUIPMENT BUSHINGS

400A-24B IN-AIR BUSHING

FIXING DIMENSIONS
STANDARDS DIN 42 538
German standards.

FIXING DIMENSIONS
STANDARDS NF C 52-053
French standards.

In mm.
**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.

**SPECIFICATIONS AND STANDARDS**
The bolted type equipment bushings 670AR-2 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 can be supplied with an earth jumper (/J) or an earth plate (/GS). This earth connection must be specified when ordering. E.g. K670AR-2/GS.

### SPECIFICATIONS AND STANDARDS

<table>
<thead>
<tr>
<th>Equipment bushing type</th>
<th>Voltage Um (kV)</th>
<th>Current Ir (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>670AR-2</td>
<td>12</td>
<td>1250</td>
</tr>
<tr>
<td>K670AR-2</td>
<td>24</td>
<td>1250</td>
</tr>
</tbody>
</table>
**FIXINGS FOR EQUIPMENT BUSHINGS**

**670AR-2/GS BUSHING**

- bushing interface
- fixing studs
- NF C 52-053 claw clamp
- F DIN 42 538 stud clamp
- equipment
- sealing gasket
- equipment connection
- earth plate
- earth jumper

**BUSHING CLAMPING KIT**
To order the bushing clamping kit, according to NFC 52-053 standards, simply specify KBC-NF-400.
Contents:
- 4 x claw clamp NF
- 1 x sealing gasket.

**FIXING DIMENSIONS**
**STANDARDS NF C 52-053**
French standards.

- M10 or M12
  - Min. 55
  - Max. 75
  - 4 fixing studs
- Dia. 105
- Dia. 171

**670AR-2/J BUSHING**

- fixing flange
- equipment
- sealing gasket

**BUSHING CLAMPING KIT**
To order the bushing clamping kit with DIN style fixing flange, simply specify KBCDS-400.
Contents:
- 1 x fixing flange
  - DIN style
- 6 x stud clamp
  - F DIN 42 538
- 1 x sealing gasket.

**FIXING DIMENSIONS**

- M12
  - Min. 60
  - Max. 30
  - 6 fixing studs
- Dia. 105
- Dia. 171

In mm.
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.

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

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

SPECIFICATIONS AND STANDARDS

<table>
<thead>
<tr>
<th>Equipment bushing type</th>
<th>Interface type</th>
<th>Voltage Um (kV)</th>
<th>Current Ir (A)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>900AR-1</td>
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<tr>
<td>900AR-2</td>
<td>F2</td>
<td>42</td>
<td>630</td>
<td>364</td>
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<tr>
<td>900AR-3</td>
<td>F1</td>
<td>36</td>
<td>2500</td>
<td>364</td>
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<td>900AR-4</td>
<td>F1</td>
<td>36</td>
<td>2500</td>
<td>259</td>
</tr>
</tbody>
</table>

In mm.
FIXINGS FOR EQUIPMENT BUSHINGS

900AR-X/GS BUSHING

To order the bushing clamping kit, according to NF C 52-053 standards, simply specify KBC-NF-400.
Contents:
- 4 x claw clamp NF400
- 1 x sealing gasket.

BUSHING CLAMPING KIT

To order the bushing clamping kit with DIN style fixing flange, simply specify KBCDS-400.
Contents:
- 1 x fixing flange DIN style
- 6 x stud clamp EN50180-3
- 1 x sealing gasket.

FIXING DIMENSIONS

STANDARDS NF C 52-053

French standards.

900AR-X/J BUSHING

Fixing dimensions

In mm.