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.

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.
EQUIPMENT BUSHINGS

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DIMENSIONS & RATINGS
OF EQUIPMENT BUSHINGS

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

SHORT CIRCUIT RATINGS

<table>
<thead>
<tr>
<th>Interface type</th>
<th>Contact type</th>
<th>Current rating (A)</th>
<th>RMS symm. (kA)</th>
<th>Peak asymm. (kA)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 sec.</td>
<td>2 sec.</td>
</tr>
<tr>
<td>A1</td>
<td>Pin and socket</td>
<td>250</td>
<td>12.5</td>
<td>9.0</td>
</tr>
<tr>
<td>B1</td>
<td>Pin and socket</td>
<td>250</td>
<td>12.5</td>
<td>9.0</td>
</tr>
<tr>
<td>B2</td>
<td>Pin and socket</td>
<td>400</td>
<td>16.0</td>
<td>11.3</td>
</tr>
<tr>
<td>C1</td>
<td>Bolted</td>
<td>630</td>
<td>28.0</td>
<td>19.7</td>
</tr>
<tr>
<td>C2</td>
<td>Bolted</td>
<td>1250</td>
<td>75.0</td>
<td>53.0</td>
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<td>Bolted</td>
<td>800</td>
<td>50.0</td>
<td>35.3</td>
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<tr>
<td>D2</td>
<td>Bolted</td>
<td>1250</td>
<td>75.0</td>
<td>53.0</td>
</tr>
<tr>
<td>F1</td>
<td>Bolted</td>
<td>2500</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>F2</td>
<td>Bolted</td>
<td>630</td>
<td>28.0</td>
<td>19.7</td>
</tr>
<tr>
<td>F3</td>
<td>Bolted</td>
<td>1250</td>
<td>75.0</td>
<td>53.0</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-/-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.

<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>
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<td>250</td>
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<td>180AR-2</td>
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<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>

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

EUROMOLD®
**FIXINGS FOR EQUIPMENT BUSHINGS**

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

**BUSHING CLAMPING KIT**
To order the bushing clamping kit, according to *NF C 52-053* standards, simply specify: KBC – NFC 52-053 /200 SERIES.  
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: KBC - RING CLAMP 1.  
Contents:  
- 1 x fixing flange A  
- 4 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.

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.

---

**EUROMOLD®**
Up to 24 kV - 250 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

**EQUIPMENT BUSHING TYPE**

<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>180A-24P-O</td>
<td>12</td>
<td>250</td>
<td>630</td>
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<tr>
<td>180A-24P-O</td>
<td>24</td>
<td>250</td>
<td>630</td>
</tr>
</tbody>
</table>

---

In mm.
FIXINGS FOR EQUIPMENT BUSHINGS

180A-24P-O IN-AIR BUSHING

fixing flange
BCA-B or BCA-D

Fixing flange
BCA-F

tabs for bail restraint
Dia. 94.5
Dia. 111
Dia. 12
 Dia. 10

BS 2562 stand.: 120°
DIN 42 538 stand.: 123°

Type BCA-B : BS 2562 British standards
Type BCA-D : DIN 42 538 German standards

FIXING DIMENSIONS
STANDARDS DIN 42 538
German standards.

In mm.

Fixing studs and nuts M10
earth jumper
equipment
gasket

Bushing interface
fixing studs and

equipment connection

Fixing flange

BCA-B or
BCA-D

 Dia. 94.5
 Dia. 111
 Dia. 12
 Dia. 10

Type BCA-F : NF C 52-053 French standards

Dia. 150

120°

126

Dia. 150

Dia. 111

Dia. 12

Dia. 10

Fixing studs

Dia. 82

Dia. 122

Dia. 82

Dia. 126

3 fixing studs

Min. 55
Max. 20

Min. 55
Max. 20

FIXING DIMENSIONS
STANDARDS NF C 52-053
French standards.
# Equipment Bushings

## 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.

## Interface B2

**EUROMOLD®**

Up to 36 kV - 400 A

### Minimum Oil Level

- 12 kV: 40 mm
- 24 kV: 50 mm
- 36 kV: 75 mm

### Table

<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>
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<td>400T1</td>
<td>12</td>
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<td>310</td>
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<tr>
<td>K400T1</td>
<td>24</td>
<td>400</td>
<td>310</td>
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<td>M400T1</td>
<td>36</td>
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<td>310</td>
</tr>
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<td>400AR-1</td>
<td>12</td>
<td>400</td>
<td>380</td>
</tr>
<tr>
<td>K400AR-1</td>
<td>24</td>
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<td>380</td>
</tr>
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<td>M400AR-1</td>
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<td>400</td>
<td>380</td>
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<td>400AR-2</td>
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<tr>
<td>K400AR-2</td>
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<td>400</td>
<td>329</td>
</tr>
<tr>
<td>M400AR-2</td>
<td>36</td>
<td>400</td>
<td>329</td>
</tr>
</tbody>
</table>

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**FIXINGS FOR EQUIPMENT BUSHINGS**

**400AR-2/GS BUSHING**

**400AR-2/J BUSHING**

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

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**BUSHING CLAMPING KIT**

To order the bushing clamping kit, according to NF C 52-053 standards, simply specify: KBC-NFC 52-053 /400 SERIES (for bushing type 400AR-2).

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

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

French standards.

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**BUSHING CLAMPING KIT**

To order the bushing clamping kit, according to DIN 42 538 standards, simply specify: KBC-RING CLAMP 3.

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

**FIXING DIMENSIONS STANDARDS DIN 42 538**

German standards.

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M10 or M12

4 fixing studs

Dia. 105

Dia. 171

Min. 55

Max. 30

M12

6 fixing studs

Dia. 105

Dia. 171

Min. 60

Max. 30

M10

6 fixing studs

Dia. 90

Dia. 140

Min. 55

Max. 30

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.

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.

<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>
</tr>
<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>

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 36 kV - 250 A

In mm.
**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: KBC - RING CLAMP 1.

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>
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<tr>
<td>K400SFR-P</td>
<td>24</td>
<td>400</td>
</tr>
</tbody>
</table>

Up to 24 kV - 400 A

EUROMOLD®
FIXINGS FOR EQUIPMENT BUSHINGS

400SFR-P BUSHING FOR GAS INSULATED SWITCHGEAR

UNMOUNTED

MOUNTED

In mm.
400AR-3

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.

In mm.

<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>
**FIXINGS FOR EQUIPMENT BUSHINGS**

**400AR-3/J BUSHING**

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

**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.
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.

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.

ORDERING INSTRUCTIONS

EUROMOLD®

Equipment bushing type | Voltage Um (kV) | Current Ir (A) |
--- | --- | --- |
400AR-4 | 12 | 1250 |
K400AR-4 | 24 | 1250 |
M400AR-4 | 36 | 1250 |

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 - 1250A

In mm.
**FIXINGS FOR EQUIPMENT BUSHINGS**

**400AR-4/GS BUSHING**

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

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

**400AR-4/J BUSHING**

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 F DIN 42 538
- 1 x sealing gasket.

**BUSHING CLAMPING KIT**

**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 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>
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<td>1250</td>
</tr>
<tr>
<td>M400AR-5</td>
<td>36</td>
<td>1250</td>
</tr>
</tbody>
</table>

Up to 36kV - 1250A

Euromold®

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

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**FIXINGS FOR EQUIPMENT BUSHINGS**

**400AR-5/GS BUSHING**

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

**400AR-5/J BUSHING**

- bushing interface
- fixing studs

**BUSHING CLAMPING KIT**

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

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: KBC - RING CLAMP 3.

Contents:  
- 1 x fixing flange Ø150 mm
- 6 x stud clamp F DIN 42 538
- 1 x sealing gasket.

**FIXING DIMENSIONS**

**STANDARDS NF C 52-053**

French standards.

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

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

In mm.
400AR-6

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-6 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). This earth connection must be specified when ordering. E.g. M400AR-6/J.

<table>
<thead>
<tr>
<th>Equipment bushing type</th>
<th>Voltage Um (kV)</th>
<th>Current Ir (A)</th>
</tr>
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<tbody>
<tr>
<td>400AR-6</td>
<td>12</td>
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<tr>
<td>K400AR-6</td>
<td>24</td>
<td>630</td>
</tr>
<tr>
<td>M400AR-6</td>
<td>36</td>
<td>630</td>
</tr>
</tbody>
</table>

Up to 36kV - 630 A

EUROMOLD®

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

In mm.
**FIXINGS FOR EQUIPMENT BUSHINGS**

**400AR-6/J BUSHING**

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.
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>

Up to 36kV - 1250 A

EUROMOLD®
400SFR-B BUSHING FOR GAS INSULATED SWITCHGEAR

FIXINGS FOR EQUIPMENT BUSHINGS

UNMOUNTED

MOUNTED

In mm.
400A-24B

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 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.

<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>
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...

**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.

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

**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.

**EUROMOLD®**

<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>

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

Up to 24 kV - 1250 A
**670AR-2/GS BUSHING**

- Bushing interface
- Fixing studs
- NF C 52-053 claw clamp

**670AR-2/J BUSHING**

- Fixing flange
- F DIN 42 538 stud clamp
- Equipment
- Sealing gasket
- Equipment connection
- Earth jumper

**BUSHING CLAMPING KIT**

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

Contents:
- 4 x claw clamp NF
- 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 F DIN 42 538
- 1 x sealing gasket.

**FIXING DIMENSIONS**

- In mm.
**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.

**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.

**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.

**EUROMOLD®**

Up to 42 kV - 2500 A

<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>900AR-1</td>
<td>F3</td>
<td>42</td>
<td>1250</td>
<td>364 175 32</td>
</tr>
<tr>
<td>900AR-2</td>
<td>F2</td>
<td>42</td>
<td>630</td>
<td>364 175 25</td>
</tr>
<tr>
<td>900AR-3</td>
<td>F1</td>
<td>36</td>
<td>2500</td>
<td>364 175 50</td>
</tr>
<tr>
<td>900AR-4</td>
<td>F1</td>
<td>36</td>
<td>2500</td>
<td>259 70 50</td>
</tr>
</tbody>
</table>
**FIXINGS FOR EQUIPMENT BUSHINGS**

**900AR-X/GS BUSHING**

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.

**900AR-X/J BUSHING**

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.