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

TABLE OF CONTENTS
180AR-1 - interface A1 equipment bushing
180AR-2 - interface A1 equipment bushing
180AR-3 - interface A1 equipment bushing
180A-24P.0 - interface A1 in-air bushing
400T1 - interface B2 equipment bushing
400AR-1 - interface B2 equipment bushing
400AR-2 - interface B2 equipment bushing
400AR-8 - interface B1 equipment bushing
400SFR-P - interface B2 equipment bushing
400AR-3 - interface C1 equipment bushing
400AR-4 - interface C2 equipment bushing
400AR-5 - interface C2 equipment bushing
400AR-6 - interface C1 equipment bushing
400SFR-B - interface C2 equipment bushing
400A-24B - interface C1 in-air bushing
670AR-2 - interface D2 equipment bushing
900AR-1 - interface F3 equipment bushing
900AR-2 - interface F2 equipment bushing
900AR-3 - interface F1 equipment bushing
900AR-4 - interface F1 equipment bushing
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>A1</td>
<td>Pin and socket</td>
<td>250</td>
<td>12.5 9.0 7.5</td>
<td>31</td>
</tr>
<tr>
<td>B1</td>
<td>Pin and socket</td>
<td>250</td>
<td>12.5 9.0 7.5</td>
<td>31</td>
</tr>
<tr>
<td>B2</td>
<td>Pin and socket</td>
<td>400</td>
<td>16.0 11.3 9.2</td>
<td>40</td>
</tr>
<tr>
<td>C1</td>
<td>Bolted</td>
<td>630</td>
<td>28.0 19.7 16.1</td>
<td>70</td>
</tr>
<tr>
<td>C2</td>
<td>Bolted</td>
<td>1250</td>
<td>75.0 53.0 43.3</td>
<td>&gt;150</td>
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<tr>
<td>D1</td>
<td>Bolted</td>
<td>800</td>
<td>50.0 35.3 28.8</td>
<td>125</td>
</tr>
<tr>
<td>D2</td>
<td>Bolted</td>
<td>1250</td>
<td>75.0 53.0 43.3</td>
<td>&gt;150</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 19.7 16.1</td>
<td>70</td>
</tr>
<tr>
<td>F3</td>
<td>Bolted</td>
<td>1250</td>
<td>75.0 53.0 43.3</td>
<td>&gt;150</td>
</tr>
</tbody>
</table>
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>180AR-1</td>
<td>12</td>
<td>250</td>
<td>222 106</td>
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<tr>
<td>K180AR-1</td>
<td>24</td>
<td>250</td>
<td>222 106</td>
</tr>
<tr>
<td>180AR-2</td>
<td>12</td>
<td>250</td>
<td>284 168</td>
</tr>
<tr>
<td>K180AR-2</td>
<td>24</td>
<td>250</td>
<td>284 168</td>
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<tr>
<td>180AR-3</td>
<td>12</td>
<td>250</td>
<td>171 55</td>
</tr>
<tr>
<td>K180AR-3</td>
<td>24</td>
<td>250</td>
<td>171 55</td>
</tr>
</tbody>
</table>
FIXINGS FOR EQUIPMENT 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.

FIXING DIMENSIONS
STANDARDS NF C 52-053
French standards.

M8 or M10

Min. 55
Max. 30

3 fixing studs

Dia. 78
Dia. 126

In mm.

- 4 fixing studs

M10

Min. 55
Max. 30

Dia. 78
Dia. 123

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

<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>
FIXINGS FOR EQUIPMENT BUSHINGS

180A-24P-O IN-AIR BUSHING

- bushing interface
- fixing studs and nuts M10
- earth jumper
- equipment
- gasket

Fixings for Equipment Bushings

- Type BCA-B: BS 2562 British standards
- Type BCA-D: DIN 42538 German standards
- Type BCA-F: NF C 52-053 French standards

Fixing flange
- BCA-B or BCA-D
- BCA-F

Fixing Studs and Nuts M10

Dia. 94.5
Dia. 12
Dia. 123
Dia. 150

Intersection:
- Dia. 94.5
- Dia. 12

Max. 20
Min. 55

Type BCA-B: BS 2562 British standards
Type BCA-D: DIN 42538 German standards
Type BCA-F: NF C 52-053 French standards

Fixing Dimensions

- Standards DIN 42 538: German standards
- Standards NF C 52-053: French standards

Dia. 82
Dia. 126

In mm.

4 fixing studs
3 fixing studs
**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®**

In mm.

<table>
<thead>
<tr>
<th>Equipment bushing type</th>
<th>Voltage U\text{m} (kV)</th>
<th>Current I\text{r} (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>M400T1</td>
<td>36</td>
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<td>310</td>
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<td>400AR-1</td>
<td>12</td>
<td>400</td>
<td>380</td>
</tr>
<tr>
<td>K400AR-1</td>
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<td>380</td>
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<td>M400AR-1</td>
<td>36</td>
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<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>
FIXINGS FOR EQUIPMENT BUSHINGS

**400AR-2/GS BUSHING**

- bushing interface
- fixing studs
- fixing flange
- NF C 52-053 claw clamp
- equipment
- sealing gasket
- equipment connection
- tabs for the bail restraint

**400AR-2/J BUSHING**

- bushing interface
- fixing studs
- fixing flange B DIN 42 538
- stud clamp E DIN 42 538
- equipment
- sealing gasket
- equipment connection
- tabs for the bail restraint

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

- bushing interface
- fixing studs
- fixing flange E DIN 42 538
- stud clamp F DIN 42 538
- equipment
- sealing gasket
- equipment connection

**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.

**FIXING DIMENSIONS**

**STANDARDS NF C 52-053**

French standards.

**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 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.

### Equipment bushing type

<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>
FIXINGS FOR EQUIPMENT BUSHINGS

400AR-8/J BUSHING

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.
**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.

### TECHNICAL CHARACTERISTICS TABLE

<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>

### Up to 24 kV - 400 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

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In mm.
FIXINGS FOR EQUIPMENT BUSHINGS

400SFR-P BUSHING FOR GAS INSULATED SWITCHGEAR

UNMOUNTED

Dia. 91.5
Dia. 103.1

MOUNTED

In mm.

Diam. 100
Diam. 97.5

Dia. 4

93

bail tab

6 fixing screws M6

equipment connection

sealing O-ring gasket

equipment

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.

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**Equipment bushing type** | **Voltage Um (kV)** | **Current Ir (A)**
--- | --- | ---
400AR-3 | 12 | 630
K400AR-3 | 24 | 630
M400AR-3 | 36 | 630

---

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 - 630A

**EUROMOLD®**

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

In mm.
**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
- 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 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.

<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**

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

**400AR-4/J BUSHING**

**FIXING 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**
French standards.

**400AR-4/J BUSHING**

**FIXING 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**

**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
- NF C 52-053 claw clamp
- F DIN 42 538 stud clamp
- equipment
- sealing gasket
- equipment connection

### 400AR-5/J BUSHING

- bushing interface
- 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.

### FIXING DIMENSIONS

#### STANDARDS NF C 52-053

French standards.

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

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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.

### FIXING DIMENSIONS

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

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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-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.

**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-6</td>
<td>12</td>
<td>630</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>

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

Up to 36kV - 630 A
400AR-6/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.

British Standard

21
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>
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</thead>
<tbody>
<tr>
<td>400SFR-B 1250 A</td>
<td>12</td>
<td>C2</td>
<td>1250</td>
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<tr>
<td>K400SFR-B 1250 A</td>
<td>24</td>
<td>C2</td>
<td>1250</td>
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<tr>
<td>M400SFR-B 1250 A</td>
<td>36</td>
<td>C2</td>
<td>1250</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
18/30 (36) kV
19/33 (36) kV

Up to 36kV - 1250 A

EUROMOLD®
FIXINGS FOR EQUIPMENT BUSHINGS

400SFR-B BUSHING FOR GAS INSULATED SWITCHGEAR

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.

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>

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 - 630 A

In mm.

In mm.
**FIXINGS FOR EQUIPMENT BUSHINGS**

**400A-24B IN-AIR BUSHING**

- **Bushing interface**
- **Fixing flanges** BCA-B or BCA-D
- **Fixing flanges** BCA-F
- **Equipment connection**
- **Fixing studs and nuts M10**
- **Earth jumper**
- **Equipment**
- **Gasket**

**FIXING DIMENSIONS**

**STANDARDS DIN 42 538**

German standards.

**STANDARDS NF C 52-053**

French standards.

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In mm.
670AR-2

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.

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>
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<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

**670AR-2/J BUSHING**

- fixing flange
- 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 NF
- 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 F DIN 42 538
- 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

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

**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.

**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**
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.
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**

**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 KBCDS-400.

**Contents:**
- 1 x fixing flange DIN style
- 6 x stud clamp EN50180-3
- 1 x sealing gasket.

**BUSHING CLAMPING KIT**

**FIXING DIMENSIONS**

In mm.