

## 180AR-1 /180AR-2 /180AR-3 INTERFACE A1 EQUIPMENT BUSHINGS

Up to 24 kV - 250 A

### Application

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

### Specifications and standards

The plug-in type equipment bushings 180AR-... 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.

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

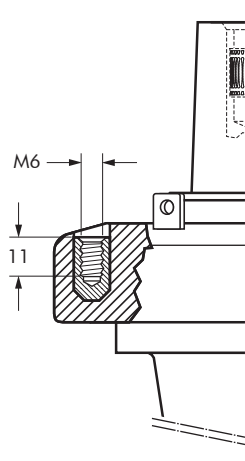
### Design

- 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).

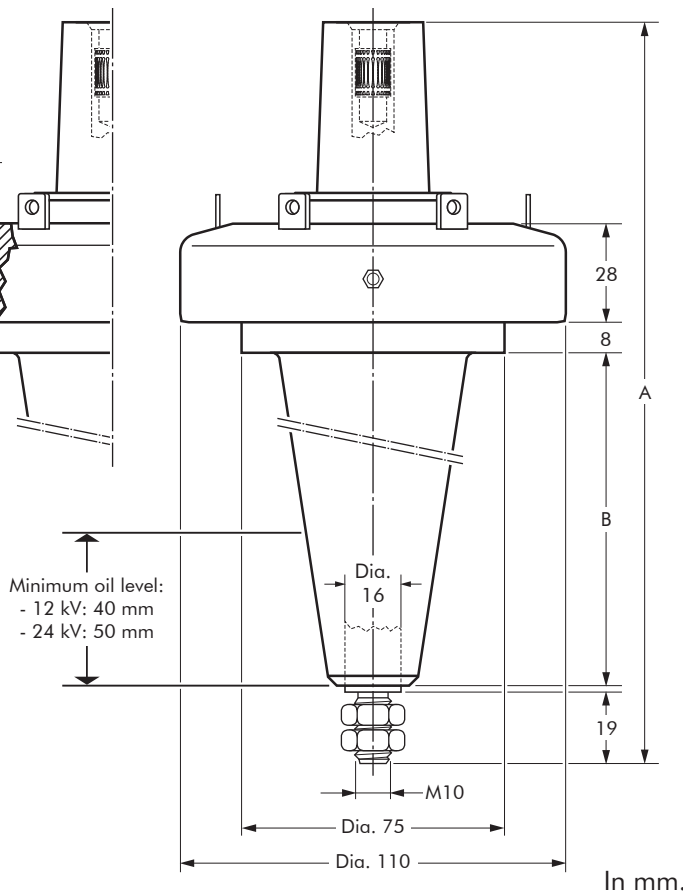
### Ordering instructions

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.

Type 180AR-1-G /-3-G



Type 180AR-1 /-2 /-3

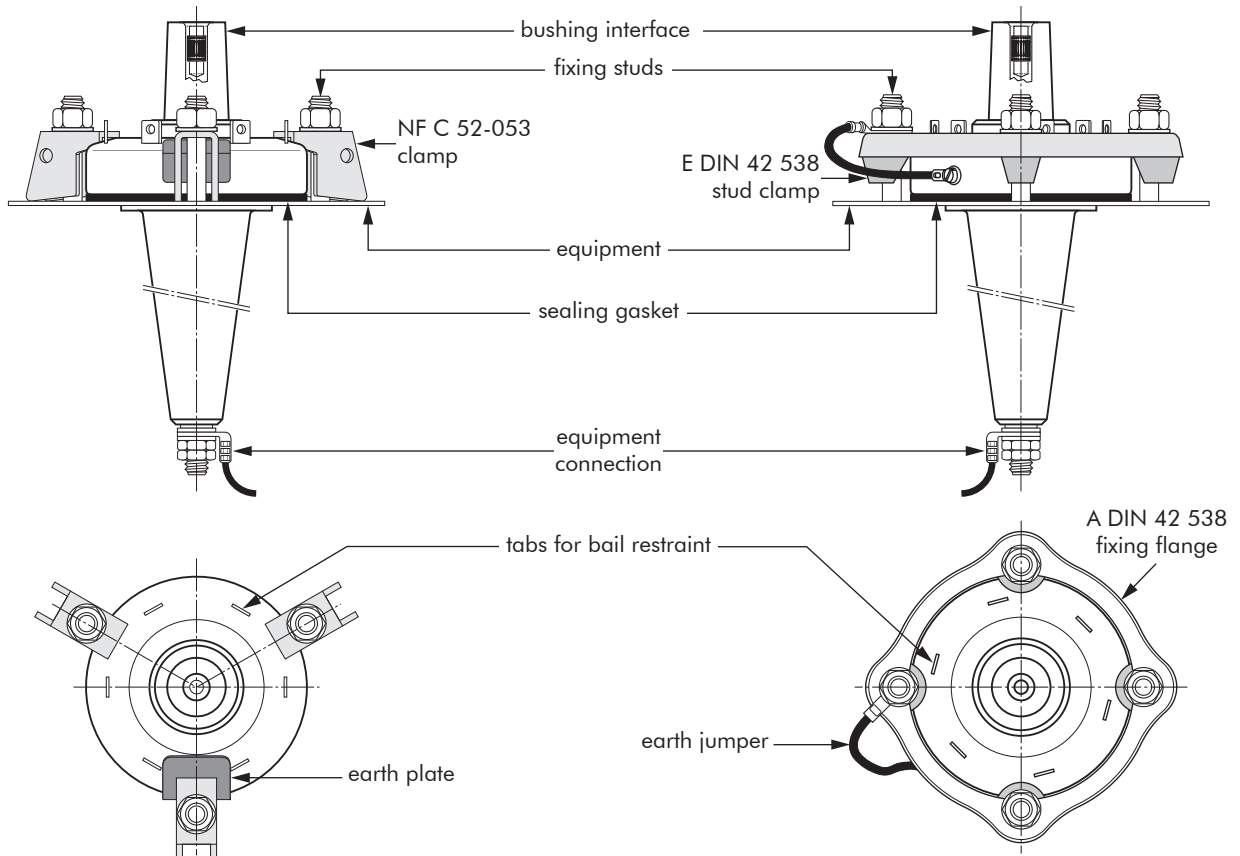


Equipment bushing type	Voltage Um (kV)	Current Ir (A)	Dimensions (mm)	
			A	B
180AR-1	12	250	222	106
K180AR-1	24	250	222	106
180AR-2	12	250	284	168
K180AR-2	24	250	284	168
180AR-3	12	250	171	55
K180AR-3	24	250	171	55

# 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 NFC 52-053 standards, simply specify KBCNF1-200.

Contents: - 3 x claw clamp NF  
- 1 x sealing gasket.

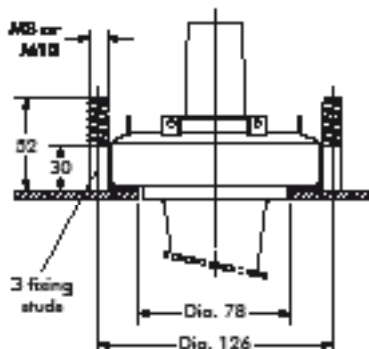
## Bushing clamping kit

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.

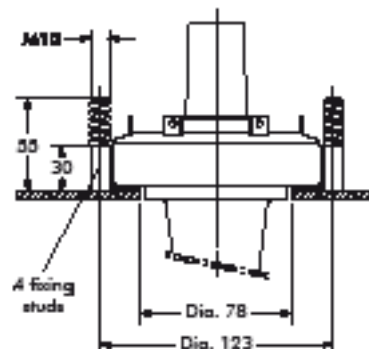
## Fixing dimensions standards NF C 52-053

French standards.



## Fixing dimensions standards DIN 42 538

German standards.



In mm.