

RM6

**MV distribution
factory built assemblies
at your service**

Anglais

**instructions for
use**

**“leaflet additive
07897071EN”**

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symbols and conventions

Caution:
you will find all the symbols below throughout the document, indicating the hazard levels depending on the different types of situation.

**DANGER**

as per iso 3864–2

DANGER: failure to follow this instruction will result in death or serious injury.

**WARNING**

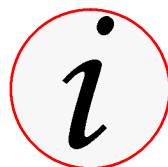
as per iso 3864–2

WARNING: failure to follow this instruction may result in death or serious injury.

**CAUTION**

as per iso 3864–2

CAUTION: failure to follow this instruction may result in injuries.
This alert signal can also be used to indicate practices that could damage the RM6 unit.

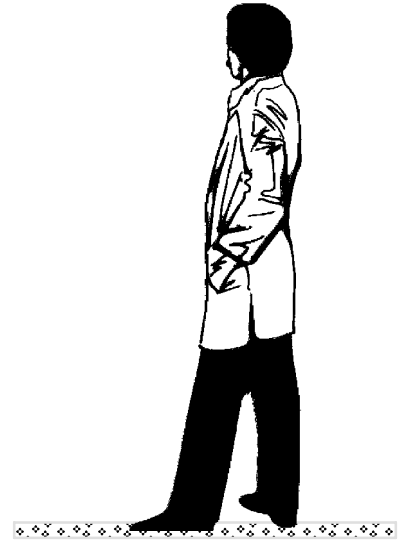
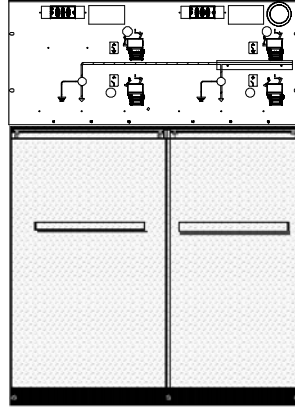


INFORMATION-ADVICE
We draw your attention to this specific point.

contact the Schneider Electric service unit for diagnosis and advice



Call your sales representative who will put you in contact with the closest
SCHNEIDER ELECTRIC
group service centre.
You can log on to:
www.schneider-electric.com



distribution rules



The aim of this publication is to enable the RM6 unit to be installed correctly.

This document is not a commercial document.
It is a strictly technical document drawn up by **Schneider Electric**.

safety rules



CAUTION

All the operations described below must be performed in compliance with applicable safety standards, **under the responsibility of a competent authority.**



WARNING

The contractor must be certified and authorised to manipulate and perform work on the RM6 unit.



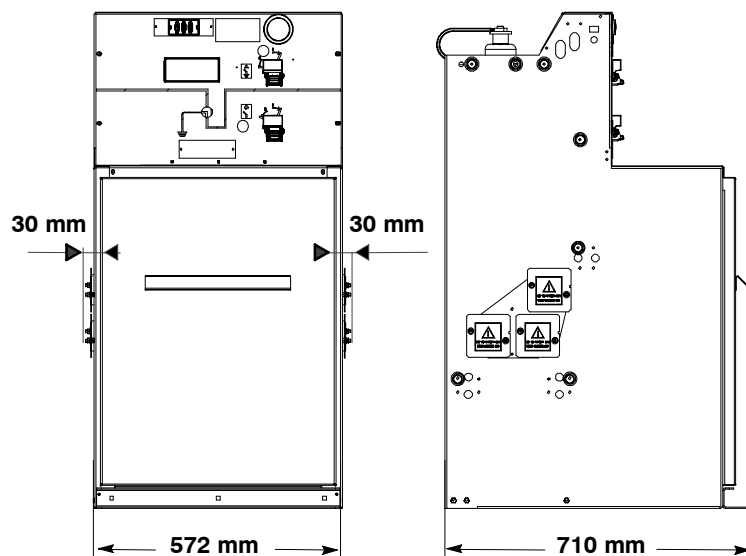
CAUTION

Only undertake the work after having read and understood all the explanations given in this document.

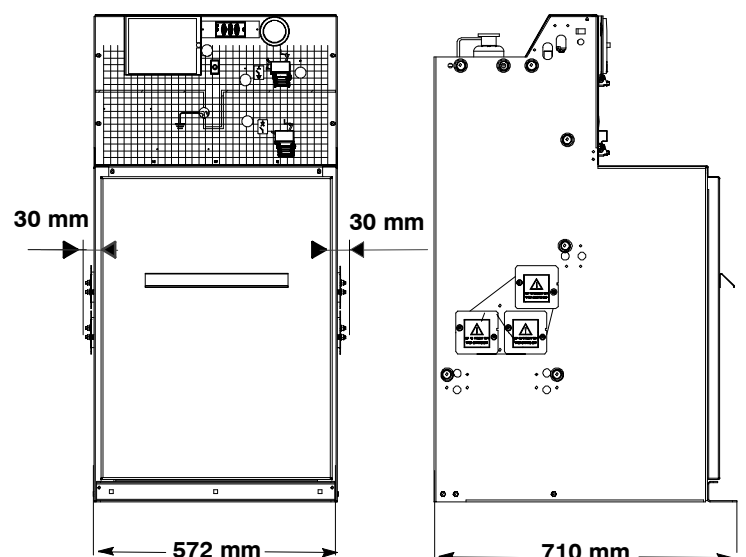
If you have any difficulty complying with these rules, please contact **Schneider Electric**.

1 function range
double extensibility
coupling

function	weights
IC	145



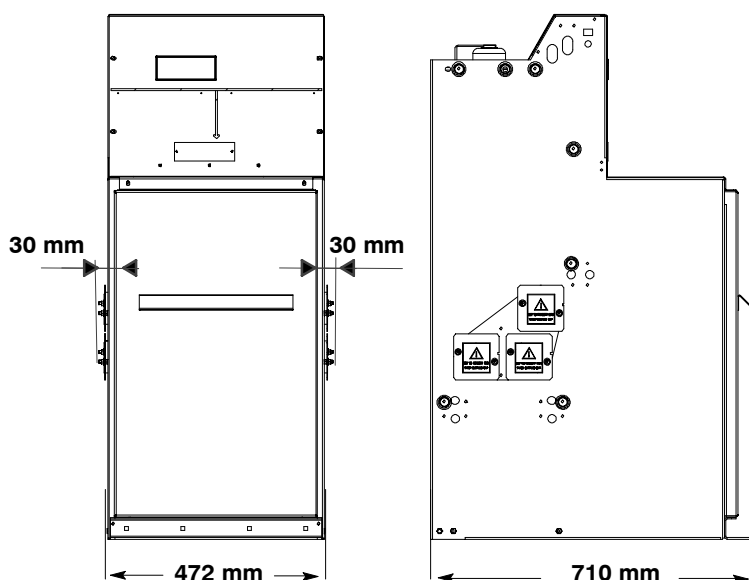
function	weights
BC	145



cable connection to busbar

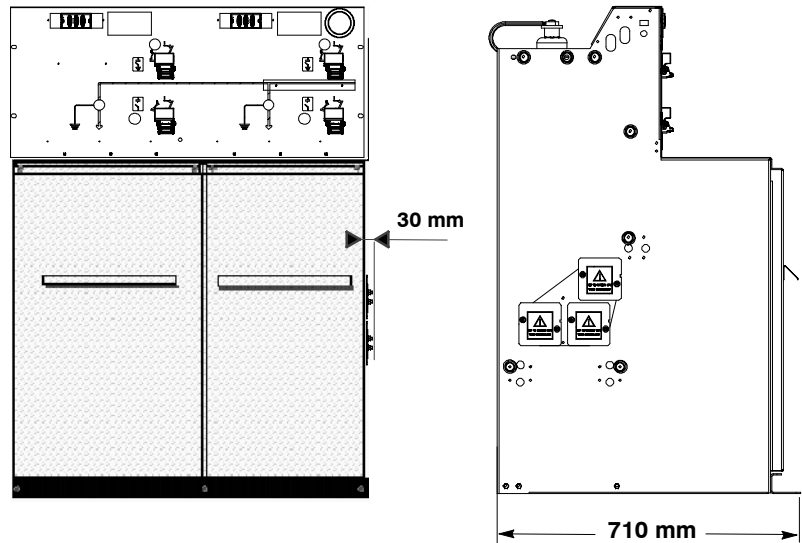
Example : DE-O

function	weights
RE-O	135
LE-O	135
DE-O	135



2 functions range right extensibility

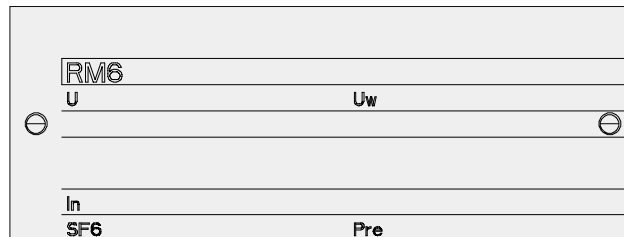
function	weights
II	155



characteristics

Check the information on the rating plate corresponds to the equipment ordered.

busbar connection function →



on-site switchboard extension

RE substations on the incoming side of switchboards must be installed first.
The other functions are coupled together afterwards.

warning

Installation will only be carried out by an authorized MV technician, and in accordance with these installation instructions.
Respect the operating instructions of your tools and devices.

Before starting the following operations, make sure the relevant safety regulations relating to HV equipment working are respected.

instruction

The screened connectors are factory fitted and are maintenance free.

This operation is therefore exceptional, and only intended for adding current measurement toroids to the busbar.

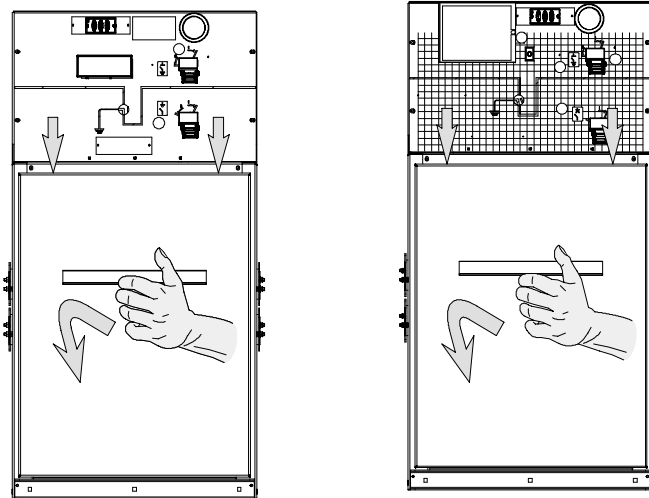
removing the screened connectors for DE-IC and DE-BC units

for DE-IC and DE-BC units



Only access the compartment when the HV devices are de-energized.

To remove an access panel, remove the 2 upper screws, lift it up and then pull it towards you.

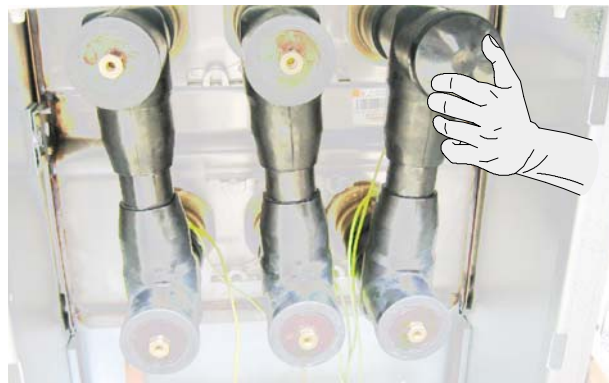


removing the 6 protective plugs

step 1

The protective plugs are removed by hand.

Reminder: do not throw them away, they are re-used when refitting.

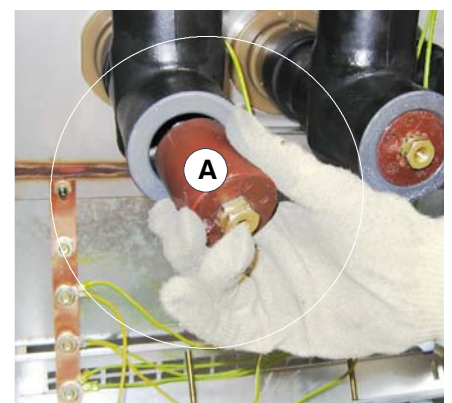
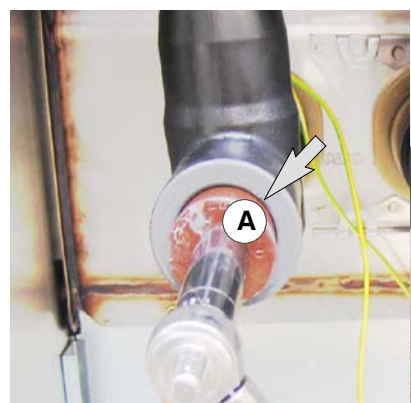


removing the 6 Dielectric plugs

step 2

- 1 : the dielectric plugs (A) are removed using a 19 mm spanner.
- 2 : at the end, extract the plugs by hand so as not to deteriorate the interior of the bars

The use of any other type of tool is prohibited.

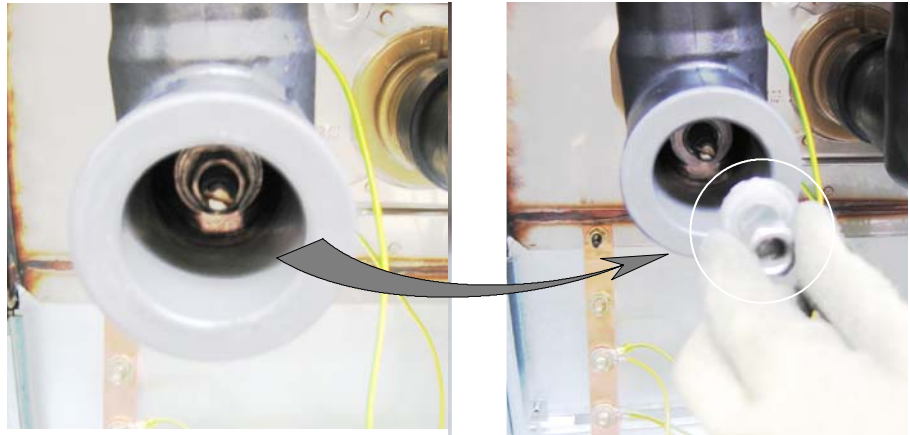


preparation before removing the 3 bars

step 3

For each bar:

- remove the HM12 nut and its \varnothing 12 mm contact washer



removing the 3 bars

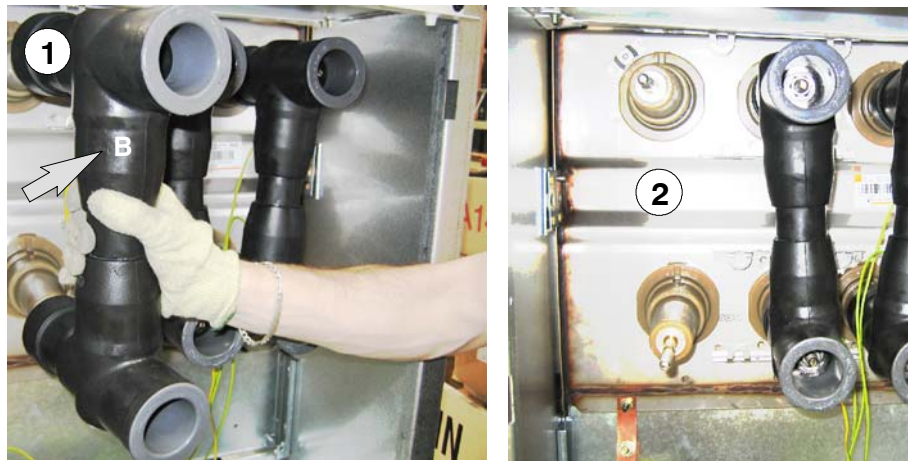
step 4

1 : pull the top and then the bottom of the bar (**B**) towards you, until it is free from its supports.

2 : the bar is removed



Avoid all contact between the stud and the connector's interface cone.



step 5:

removing the bars

At the end, the 3 bars (**A–B–C**) have been removed.

step 5a:

removing the earth bar

J : earth bar

Recommendation:

When removing, storing and refitting, the spacing of the 2 connectors on the bar must not be changed.



refitting the connectors for DE-IC and DE-BC units

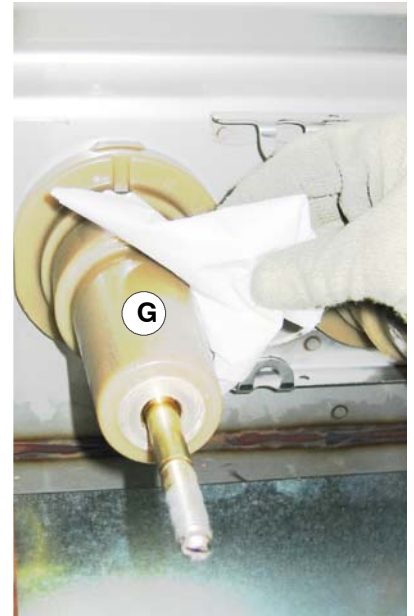
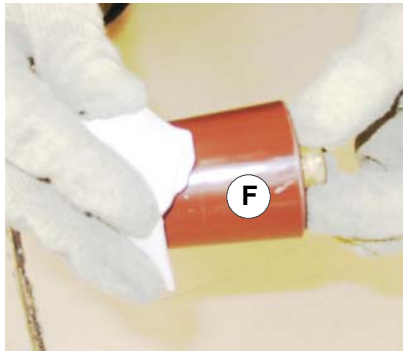
step 1: cleaning



The instructions must be followed.

Using a clean and dry cloth, carefully clean the 6 dielectric plugs and the 6 supports, and then both ends of the 3 bars.

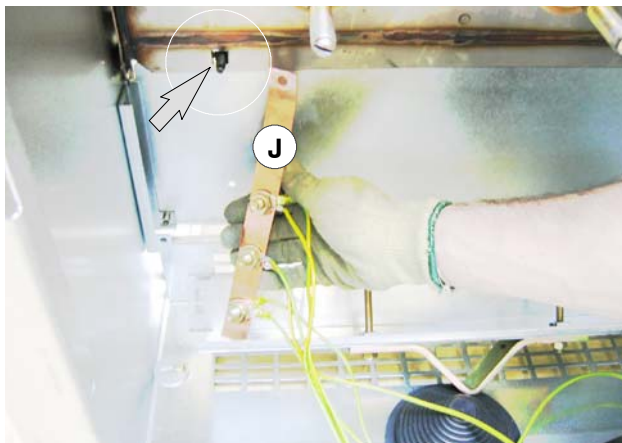
- F : dielectric plug
- G : support
- H : bars



step 2: refitting the earth bar

J : earth bar

Tightening torque: 2.8m.daN

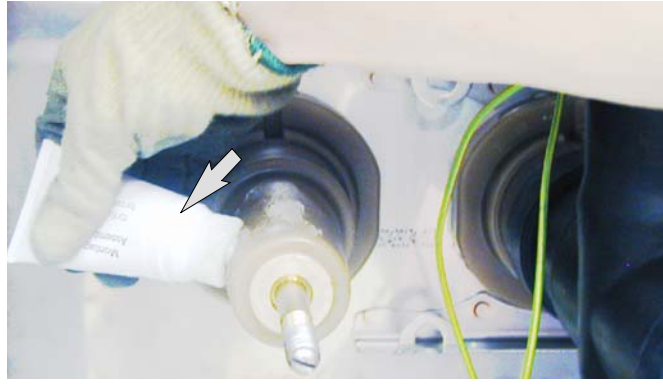


step 3: grease the supports



CAUTION

Only use the tubes of grease supplied in the sachet with the instructions; these have a foam applicator



note

Checking the tightening torque... ..of the studs (1m.daN)

step 4: fitting the 3 bars

1 : refit the 3 bars (**K**) in the supports.

2 : replace the 6 nuts + contact washers

3 : nut **tightening torque: 5m.daN**



CAUTION

Avoid all contact between the stud and the connector's interface cone.



step 5: greasing the 6 Dielectric plugs

Only use the tubes of grease supplied in the sachet with the instructions; these have a foam applicator

1 : grease the Dielectric plug (**M**).

Reminder: use the tubes of grease supplied in the kit.

F ; Before inserting the plug (**E**), the shrink ring (**N**) must be placed in the inside of the connector; this allows the air trapped in the interface to be expelled.

Remove the shrink ring (**N**) before completely tightening the Dielectric plug.

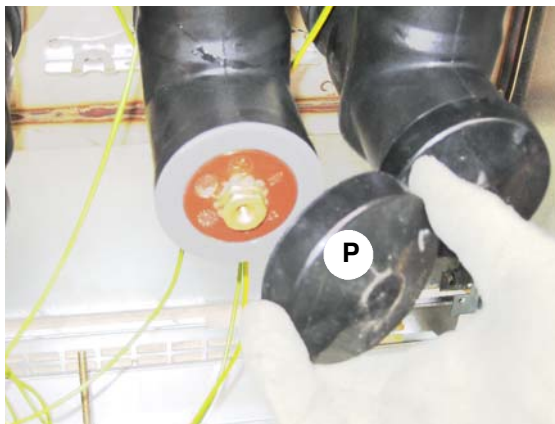
Tightening torque: 3m.daN



refitting the 6 protective plugs

step 7

The protective plugs (**P**) are
refitted by hand.



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centers are there for:**

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assistance
start-up
training
preventive and corrective
maintenance
adaptation work
spare parts

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to time, please ask for confirmation of the information given
in this publication.

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