

adaptation
instructions

replacing a VT

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.



as per iso 3864–2

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



as per iso 3864–2

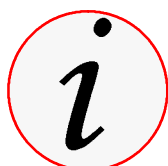
WARNING: failure to follow this instruction may result in death or serious injury.



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 SM6 unit.



INFORMATION-ADVICE

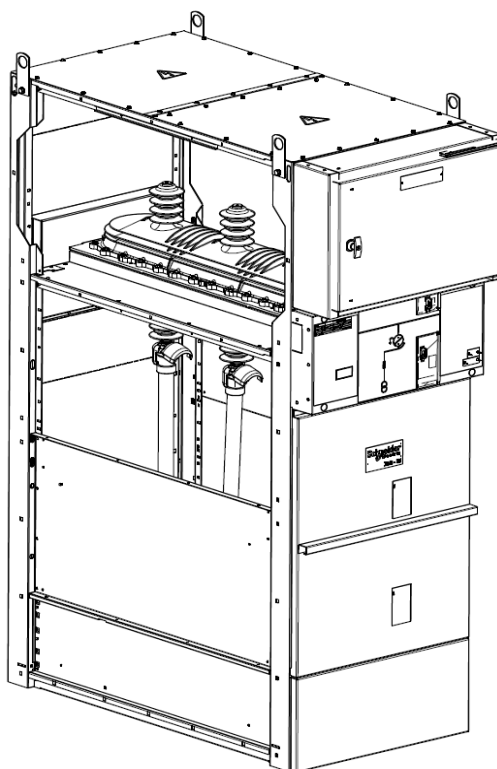
We draw your attention to this specific point.

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



CAUTION

The aim of this publication
is to enable the SM6 unit
to be installed correctly.



CAUTION

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.



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.



WARNING

The contractor must be certified and authorised to manipulate and perform work on the SM6 unit.

distribution rules

This document is not a commercial document, but rather a document for strict usage inside Schneider Electric.

The purpose of this publication is to allow replacement or adaptation of assemblies.

The spare parts identified in this document are not sold separately but are part of the marketed kit. Total or partial reproduction of this manual is forbidden, and only Schneider Electric operating personnel have the exclusive right of use.

safety rules

The connection compartment of the cubicle where the operation will be performed will be de-energised and the earthing switch placed in the earthing position.

specific tools

1 torque wrench from 0.5 to 50 N.m.

preparation

The operations allowing access to the VTs and the cubicle reassembly process are described in the user manual.

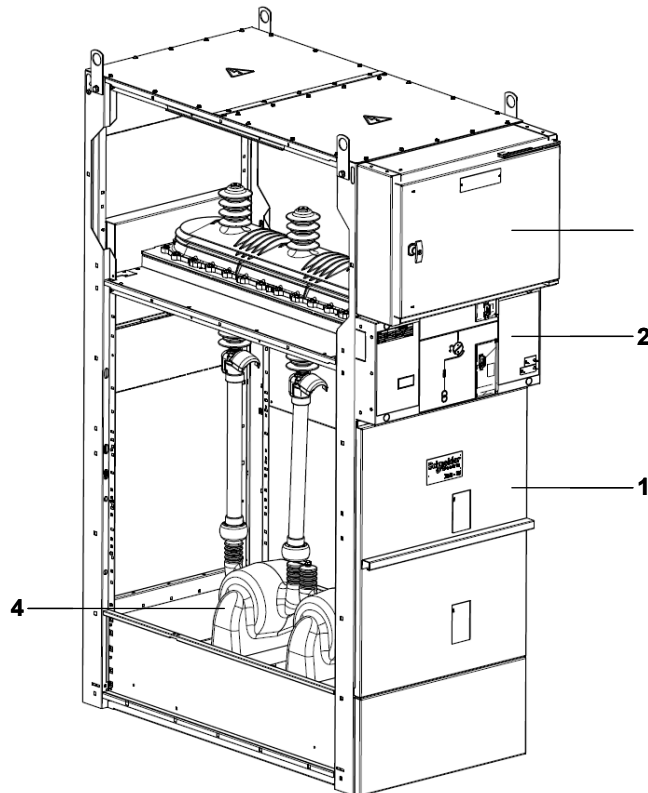
area of application

CM2 and TM cubicle

location of subassemblies

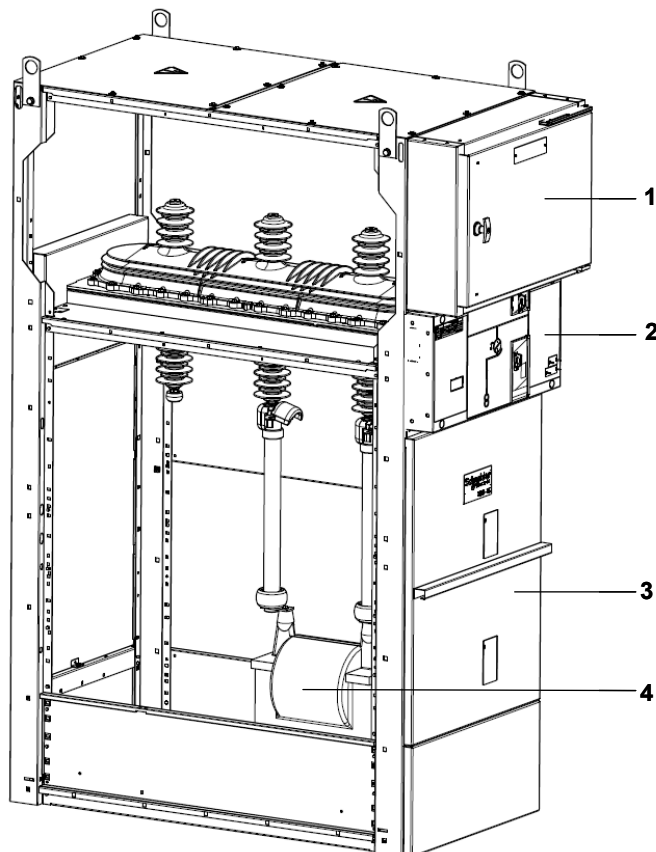
CM2 cubicle

- 1 : front panel
- 2 : control compartment
- 3 : monitoring compartment
- 4 : VT



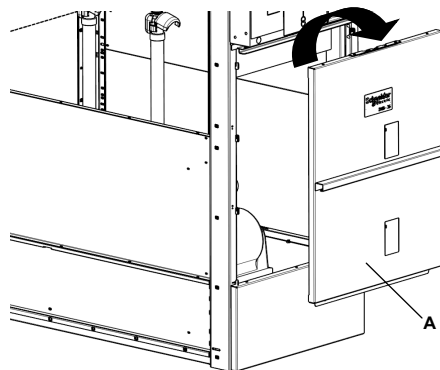
TM cubicle

- 1 : front panel
- 2 : control compartment
- 3 : monitoring compartment
- 4 : VT

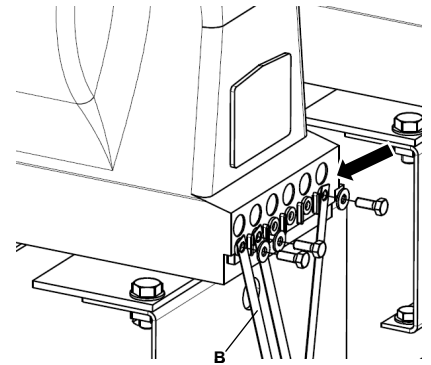


replacing the VTs

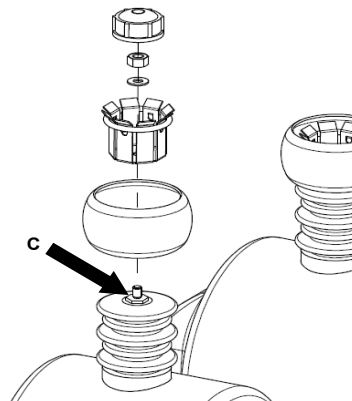
CM2 cubicle



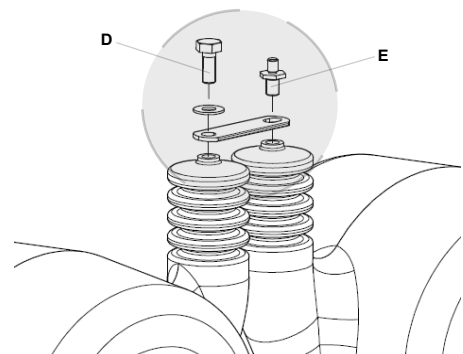
Remove front panel A. Remove the HV fuses (see user manual).



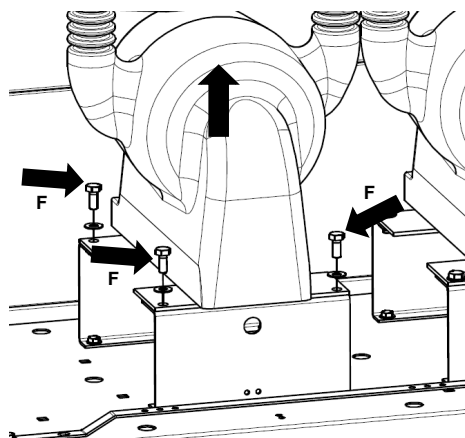
Disconnect the secondary circuits of the VTs 3 M6 screws.



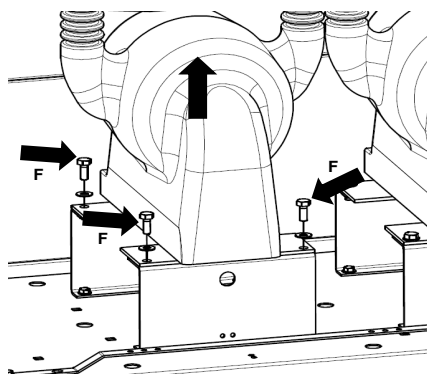
Unscrew the M8 nut to remove the distribution frame



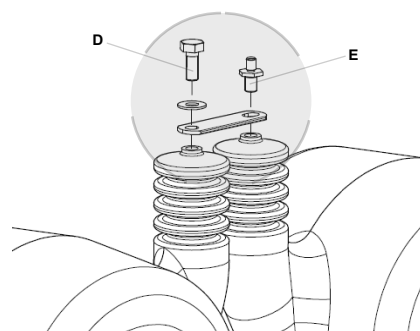
Unscrew the M8 screw D and the special screw E to remove the strip connecting with the primary terminals.



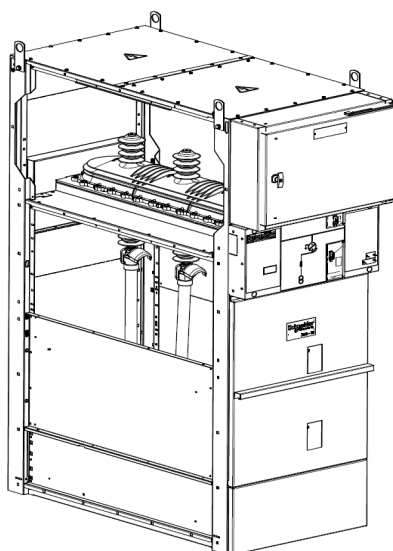
Unscrew the M8 front and rear screws F holding the VT support in place. Extract the assembly.



Replace the VTs (12 HM6 screws F).

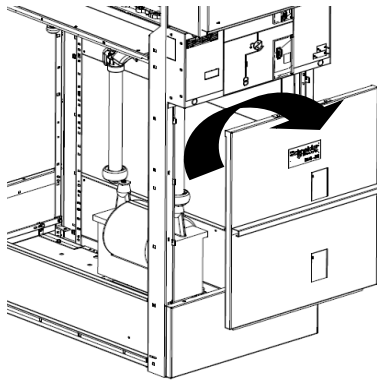


Put back strip connecting with the primary terminals, the primary connections D and the distribution frames E.

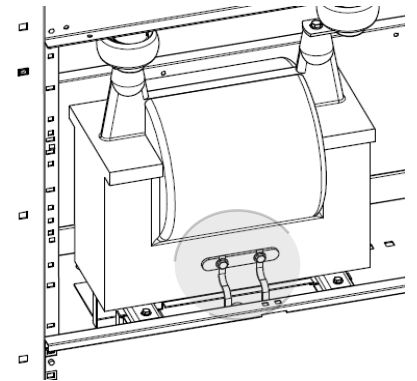


Reassemble the VT set in the cubicle, proceeding in opposite order to disassembling.
 HM8 screw tightening torque: 2.2 Nm.
 Put back the covers.
 Fit the fuses and the front panel.

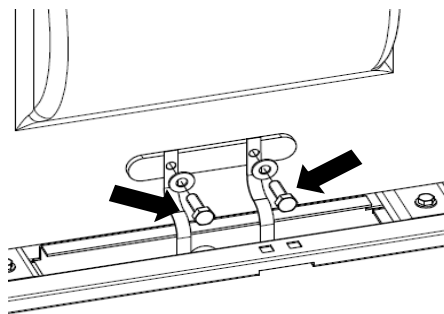
TM cubicle



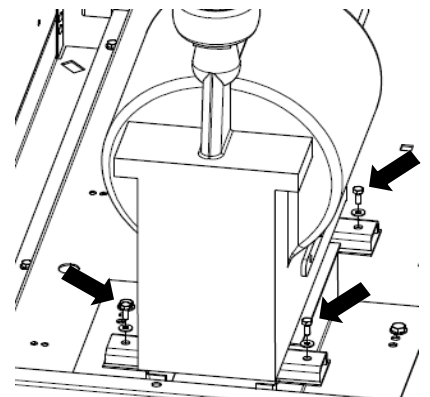
Remove the front panel
Remove the HV fuses (see user manual).



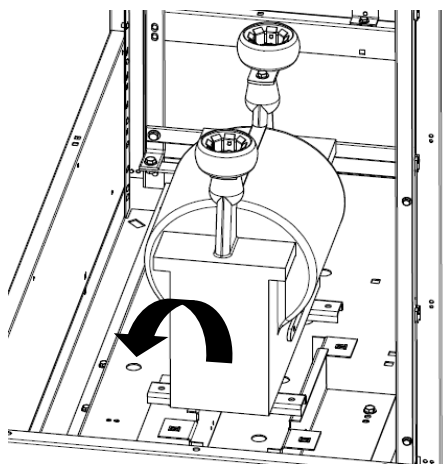
Unscrew the earth busbar metal foil.



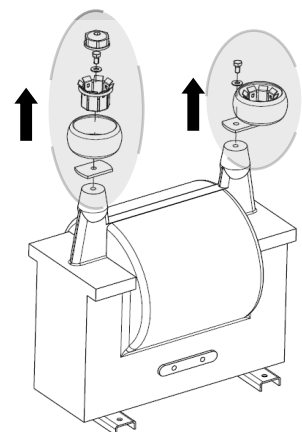
Disconnect the VT secondary terminals.



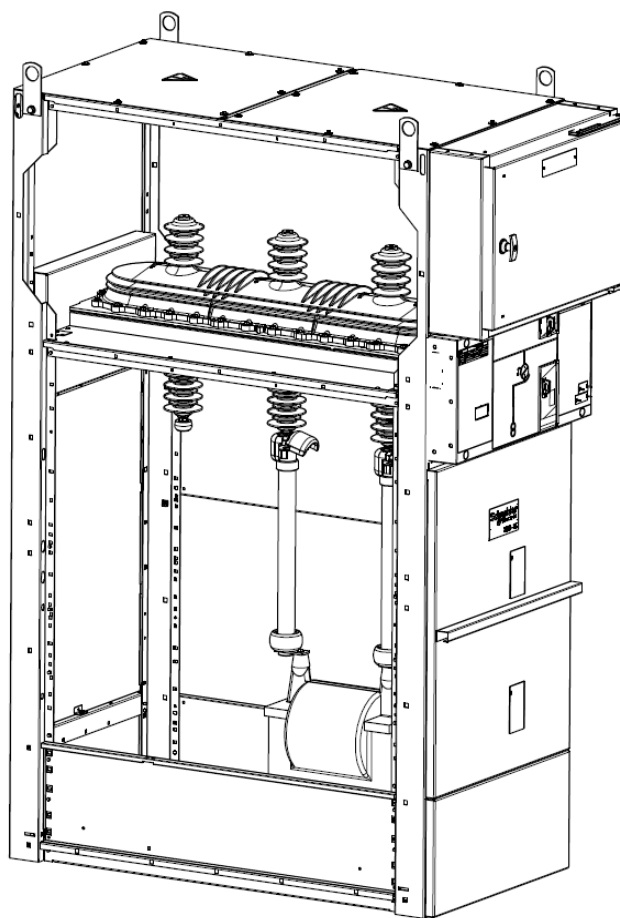
Remove the 2 HM8 fastening screws.



Extract the VT.



Disassemble the distribution frames and replace the VT.



remove

Reassemble the VT set in the cubicle, proceeding in opposite order to disassembling.

HM8 screw tightening torque: 2.2 Nm.

Put back the covers.

Fit the fuses and the front panel.

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S1B22883 revision : 01

As standards, specifications and designs change from time
to time, please ask for confirmation of the information given
in this publication.

Conception, rédaction: Service Documentation
Technique T&D

Edition : 05/07/2011