

SACE Emax 2

Unpacking and handling E1.2



Introduction

The Emax 2 circuit-breakers, on account of their weight, require special attention during transport and handling.

They are distributed with following packages:

- single package for fixed circuit-breaker
- two packages for withdrawable circuit-breakers (one package for the fixed part and one for the mobile part).

The following notes regard transport, handling and storage.

Weight of the circuit-breakers with packaging

The following table specifies the weights of the circuit-breakers with packaging:

	Fixed		Moving part of withdrawable device		Fixed part of withdrawable device	
	III	IV	III	IV	III	IV
E1.2	16 Kg / 35 lbs	18 Kg / 39 lbs	20 Kg / 44 lbs	23 Kg / 51 lbs	23 Kg / 51 lbs	26 Kg / 57 lbs
E1.2-A	16 Kg / 35 lbs	18 Kg / 39 lbs	22 Kg / 48 lbs	25,5 Kg / 56 lbs	24 Kg / 52 lbs	27 Kg / 59 lbs



NOTE:

- *weights are indicated with reference to the basic circuit-breakers including protection release and its sensors, without terminals and without accessories.*
- *the weights of the fixed part of withdrawable circuit-breakers refer to the version with horizontal rear terminals.*

Transport of the packaged circuit-breaker

Consult the table "Weight of the circuit-breakers with packaging" before proceeding with the transport.



WARNING! Improper lifting can result in death, serious injury to persons and damage to the equipment. Never lift a circuit-breaker and / or a fixed part above other people.



IMPORTANT: The trained personnel in charge of handling and lifting must use appropriate safety equipment.

Identification of packaging

Examine the state of the packaging and check that:

- The data on the packaging plate match the data of the order.
- The box is intact and perfectly closed.

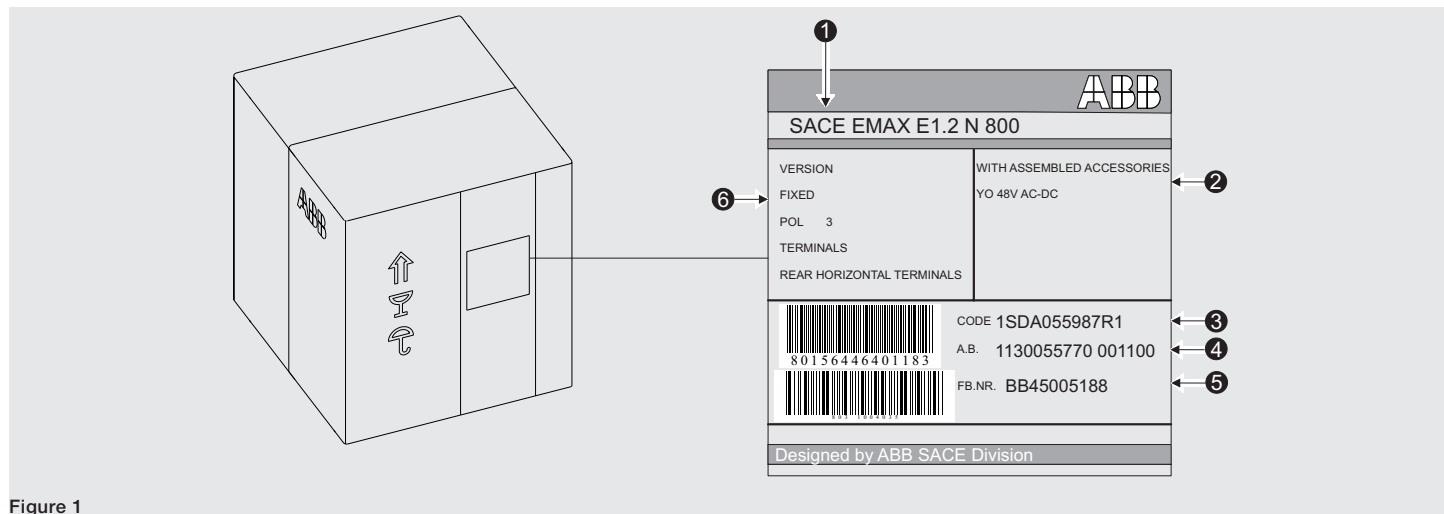


Figure 1

Pos.	Description
1	Short description of the circuit-breaker
2	Description of accessories
3	Commercial code
4	Confirmation number and location
5	Circuit-breaker serial number
6	Features of the circuit-breaker

Packaging checks

Examine the state of the material received and verify that:

- The circuit-breaker or the fixed part are consistent with the order.
- The circuit-breaker or the fixed part are completely intact.



IMPORTANT:

- **check the material before any storage. For opening the packaging, follow the procedures outlined on page 4**

Damage and Discrepancy Report

If there is any damage to the packaging upon receipt and / or inconsistencies between order and product identification label or product please contact ABB. Damage to the packaging must be reported no later than seven days from receipt of the material.



NOTE: *The notification must indicate the Packing List number.*

Storage method

Place the packaging (circuit-breakers and / or fixed parts) on a horizontal plane, not in contact with the floor. If the circuit-breaker has been removed and reinserted in the package ensure, prior to storage that:

- the circuit-breaker is in the open position and springs discharged.
- the circuit-breaker is protected and locked in its original packaging.

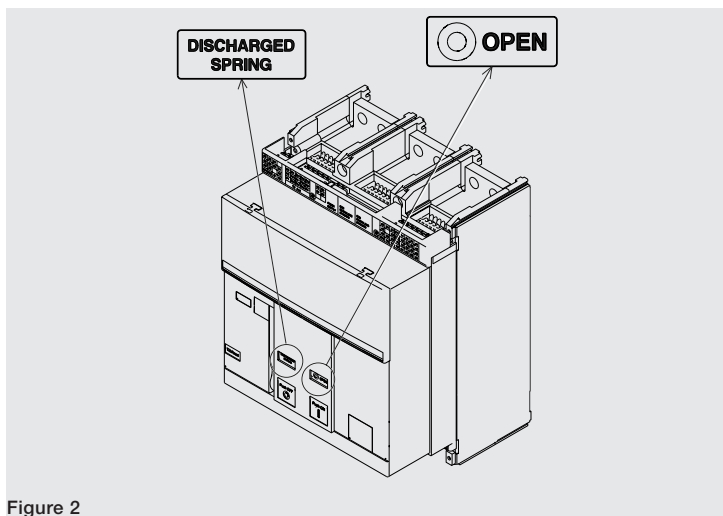


Figure 2

Opening the packaging

The following is the procedure for opening the packaging:

1. Cut the tape that seals the box. See Figure 3 e Figure 4.

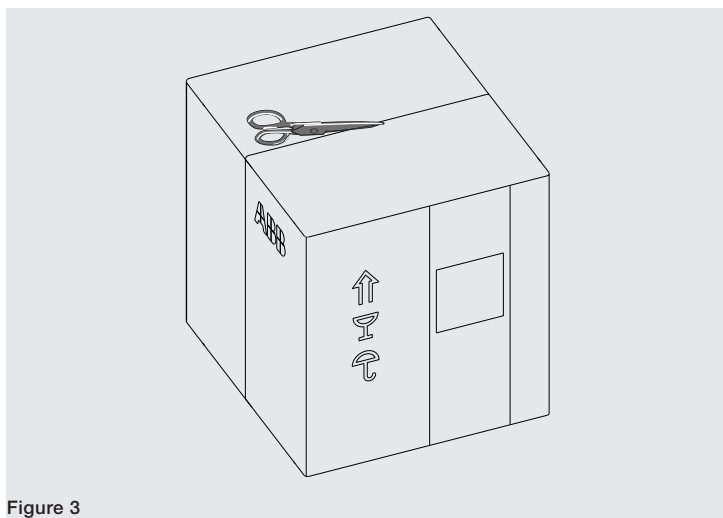


Figure 3

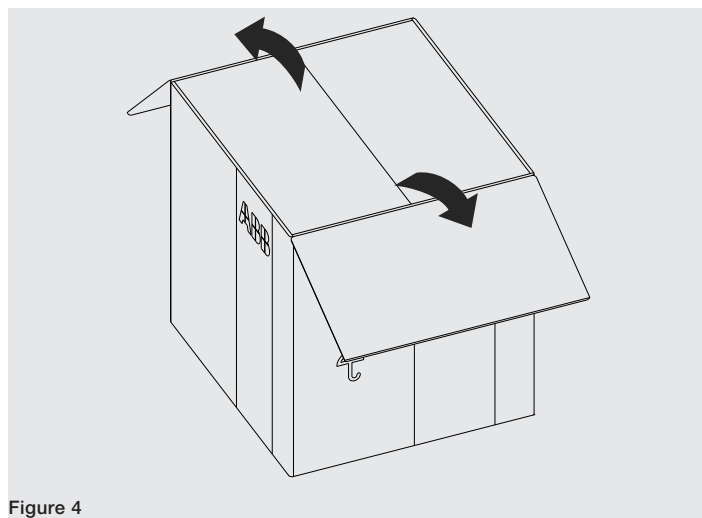


Figure 4

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2. Open the upper part of the packing box and remove the upper containment protection. See Figure 5 e Figure 6.

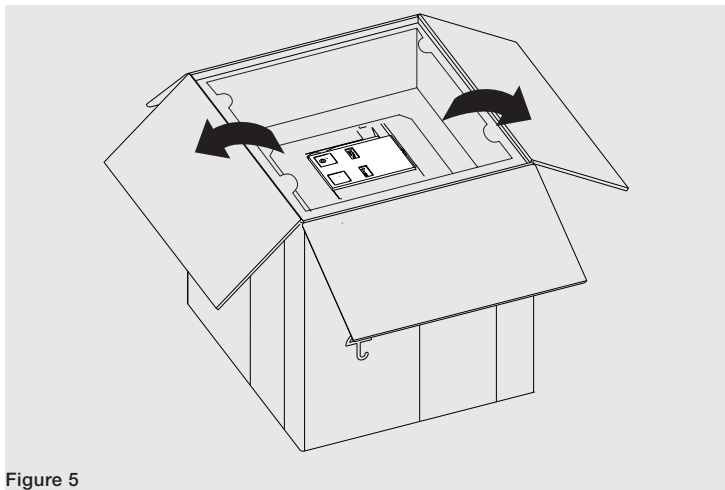


Figure 5

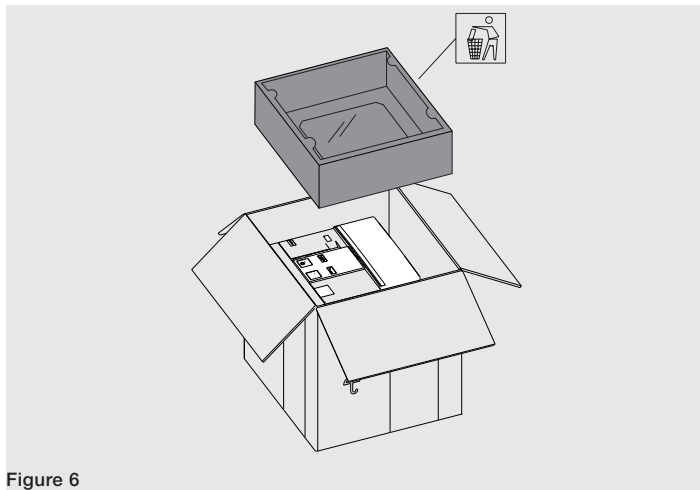


Figure 6

3. Remove the side containment protections from the packing box. See Figure 7.

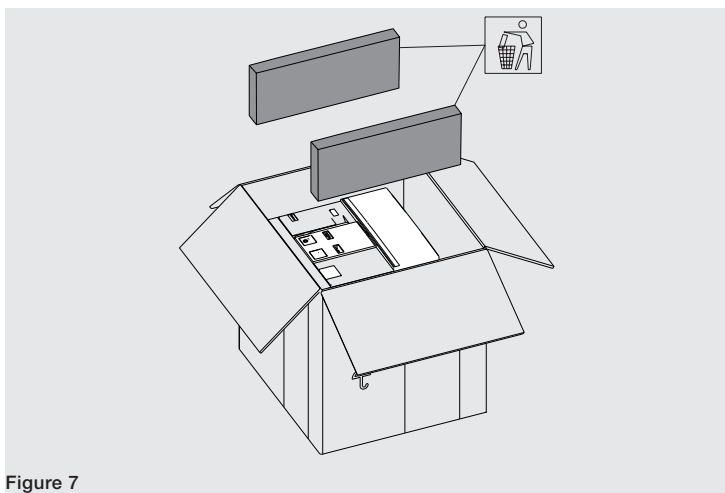


Figure 7

Weight of circuit-breakers without packaging

The following table specifies the weights of the circuit-breakers without packaging:

	Fixed		Moving part of withdrawable device		Fixed part of withdrawable device	
	III	IV	III	IV	III	IV
E1.2	14 Kg / 31 lbs	16 Kg / 35 lbs	18 Kg / 40 lbs	20 Kg / 44 lbs	20 Kg / 44 lbs	23 Kg / 51 lbs
E1.2-A	14 Kg / 31 lbs	16 Kg / 35 lbs	20 Kg / 44 lbs	22,5 Kg / 49 lbs	21 Kg / 46 lbs	24 Kg / 52 lbs

i **NOTE:**

- the weights indicated in the table refer to the basic circuit-breakers including relays and its sensors, without terminals and without accessories.
- the weights of the withdrawable circuit-breakers refer to the weight of the fixed part in a version with horizontal rear terminals.

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