

— FS401, FS402, FS403

End of Life Instruction

Decommissioning instructions available to enable responsible recycling or disposal



PREPARED 2025-01-30 Joël Keiser	DOCUMENT KIND EoL Instructions	SECURITY LEVEL Public		
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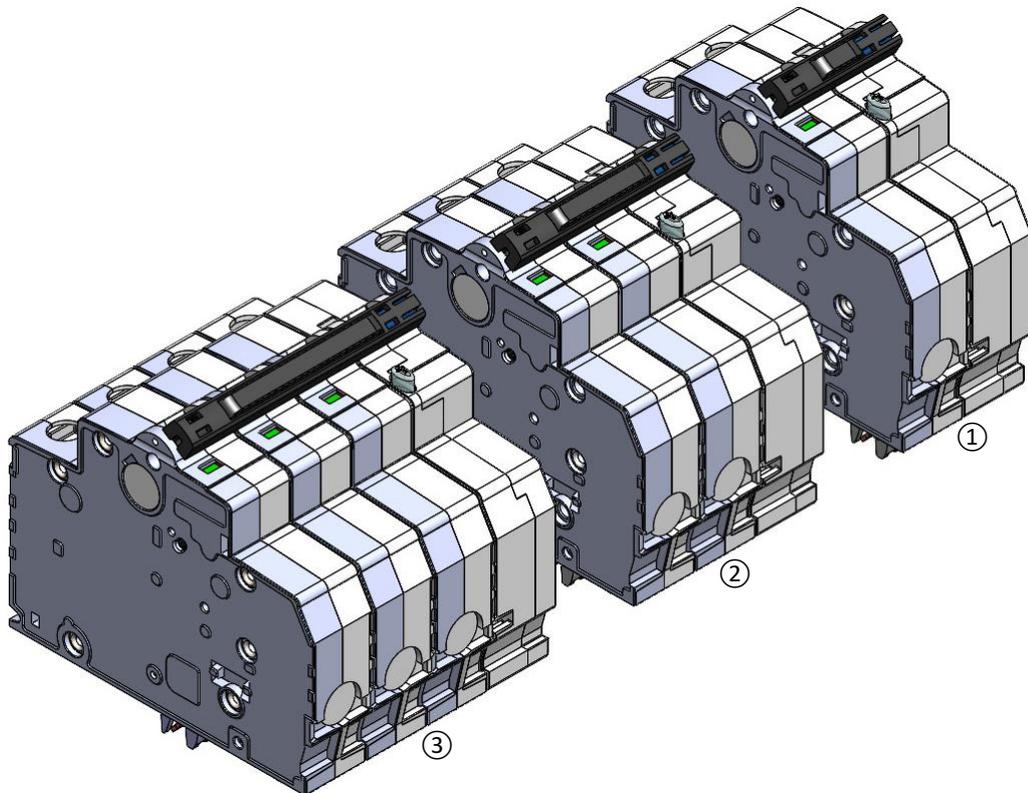
1. Purpose and Basic Description

This product family is in the scope of European Union directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE). The product family must be disposed according to the legislation of the country. This end-of-life instruction is intended for use by customers and recycling companies which outline the responsible recycling or disposal method of the ABB product.

FS401, FS402 and FS403 RCBOs protect the installation against overloads and short circuits and protect people and premises at risk of fire or explosion against insulation defects in a circuit with rated voltage (U_n) of 240/415 V and a rated current (I_n) of up to 32 A.

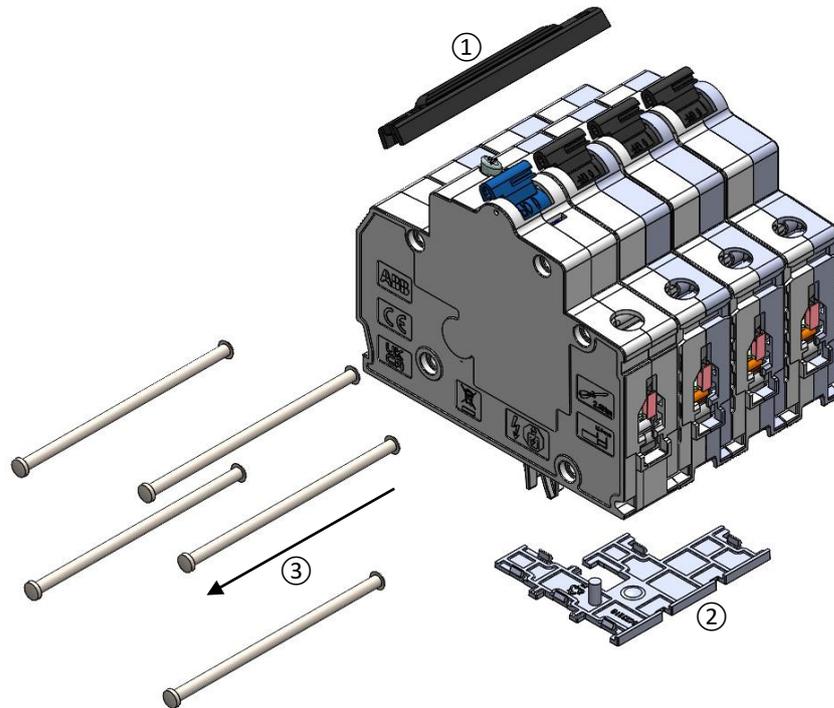
2. Dismantling instructions

The FS400 is available as a 2 pole⁽¹⁾, 3 pole⁽²⁾ and 4 pole⁽³⁾ product.

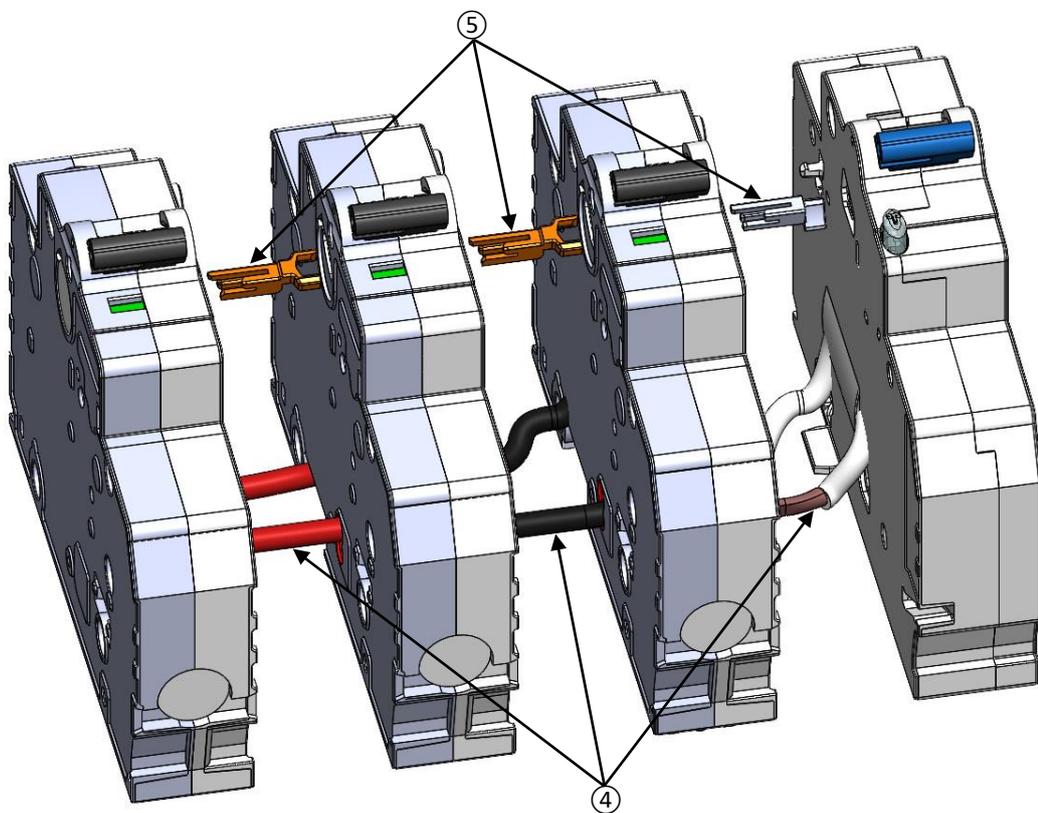


2.1. 2, 3 and 4 pole product:

The handle toggle⁽¹⁾, the connection cover⁽²⁾ and the five rivets⁽³⁾ should be removed first.

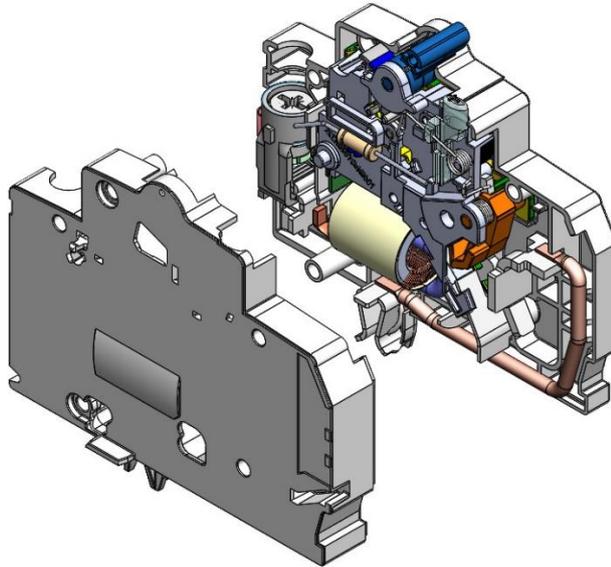


To split the product into the phase and the neutral poles, cut the connecting strands⁽⁴⁾ using a wire cutter and remove the intermediate pieces⁽⁵⁾.

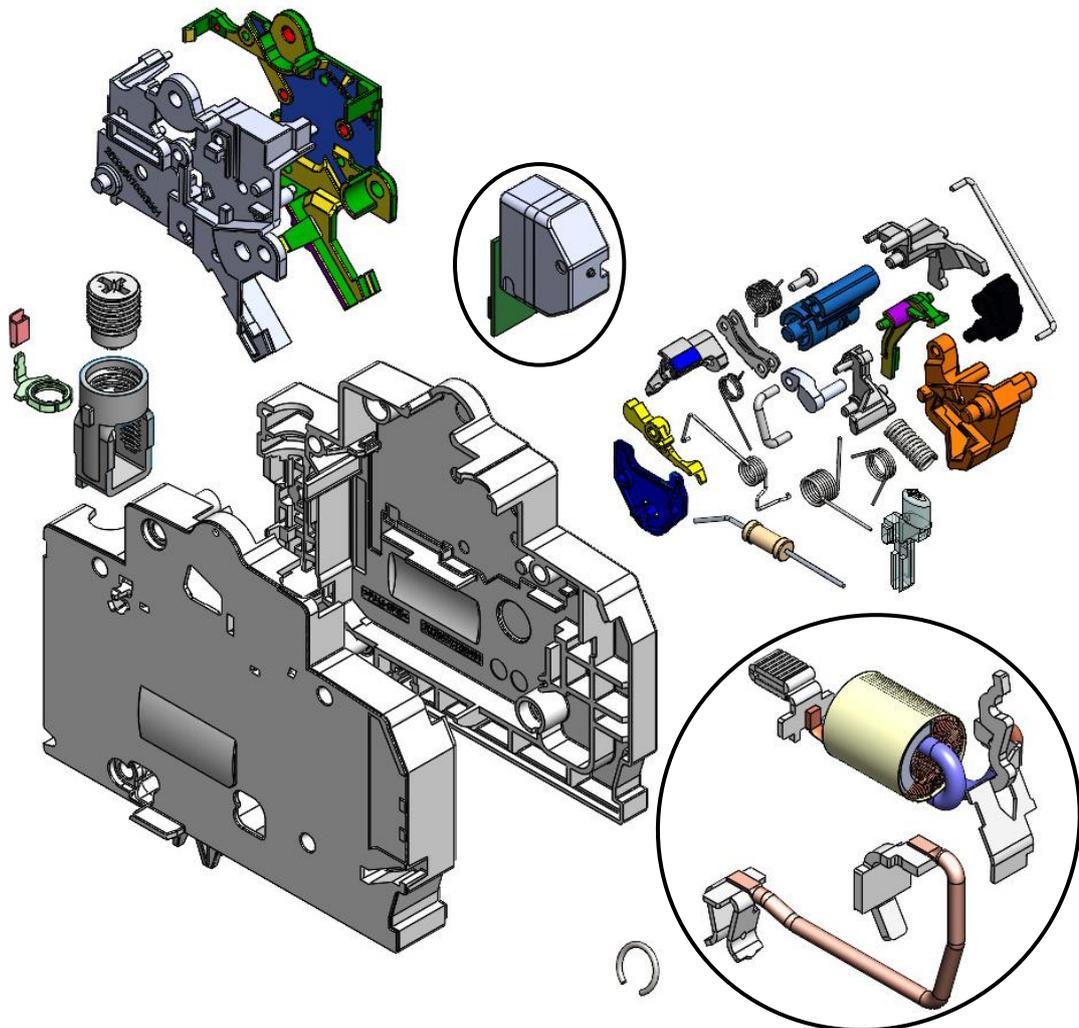


2.1.2. Neutral pole

Since all the rivets have already been removed, you should be able to take off the cover and access all the internal parts.



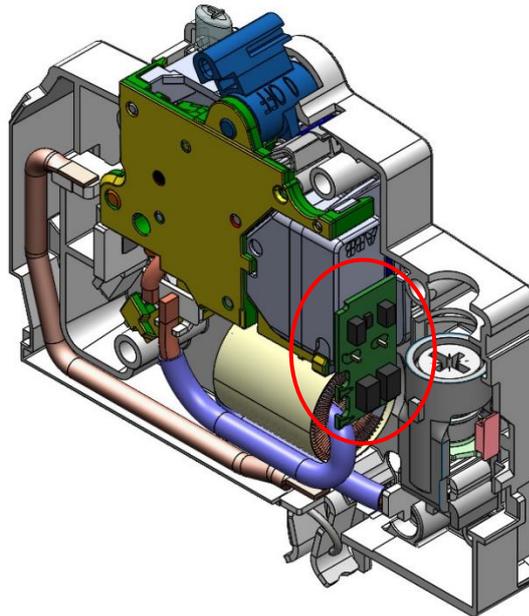
The different parts will be extracted until reaching the configuration of the figure below.



Rounded parts have soldered or riveted pieces that cannot be manually disassembled.

2.1.3. Electronic Board

At the end, the Electronic Board must be depolluted to assure an appropriate end of life treatment.



Weight of the Electronic Board = 0.47 g

3. Constituent materials

Plastics		Metals		Others	
PA66 GF	33.4%	Steel	29.5%	Silica	0.4%
PBT GF	3.9%	Copper	9.9%	Resistor	0.2%
PC GF	1.1%	Aluminium	3.3%	PCB	0.2%
PA66	1.1%	Iron	2.8%	Cardboard	9.8%
Other plastics	2.4%	Other metals	1.8%	Misc.	0.2%

Weight percentage of a single pole and neutral.

4. Additional Information

Weight per Pole and Neutral	223.3 g
Overall dimensions (H x D x W)	91 x 68 x 36 mm