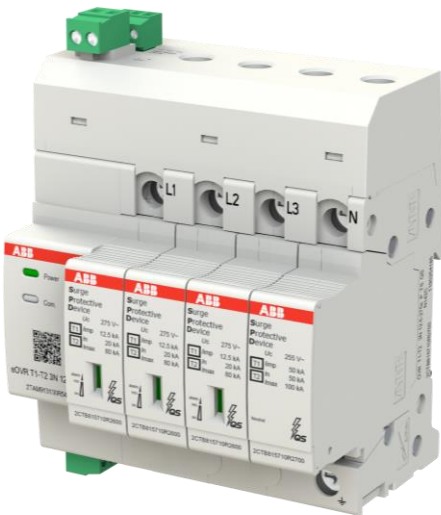


eOVR SERIES

End of Life Instruction

Decommissioning instructions available to enable responsible recycling or disposal



PREPARED		DOCUMENT KIND		SECURITY LEVEL		
2024-12-03	Frank-Baosong Jiang	EoL Instructions		Public		
OWNING ORGANIZATION		DOCUMENT ID.		REV.	LANG.	PAGE
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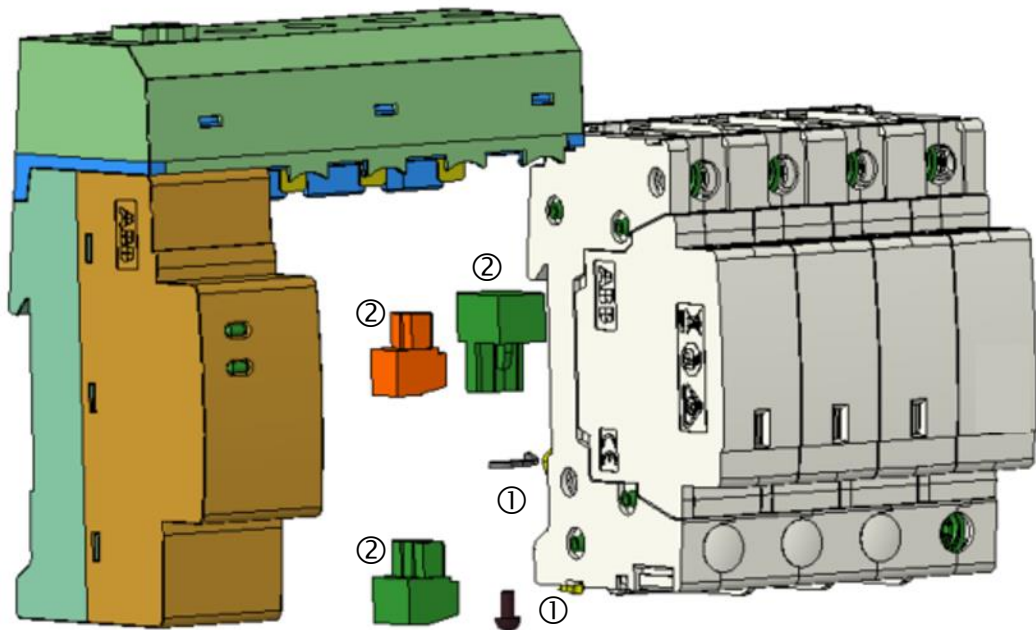
# 1. Purpose and Basic Description

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 instructions is intended for use by customers and recycling companies which outline the responsible recycling or disposal method of the ABB product.

eOVR Series of products are Intelligent Surge Protection Device (SPD) products which protect low-voltage consumer systems against direct and indirect effects of lightning or against transient overvoltages in addition, this product also integrates various functions such as measurement, monitoring, indication, communication, etc. It monitors the inrush current and leakage current flowing through SPD in real time, which can comprehensively realize the monitoring of the working status of SPD and its backup protector, the prediction of the whole life cycle of SPD, and the prediction of the deterioration of the MOV in the whole life stage by giving the percentage of the remaining life. The products comply with the standard IEC 61643-11 and NB/T 10284-2019 allowing their use in all application areas.

# 2. Dismantling instructions

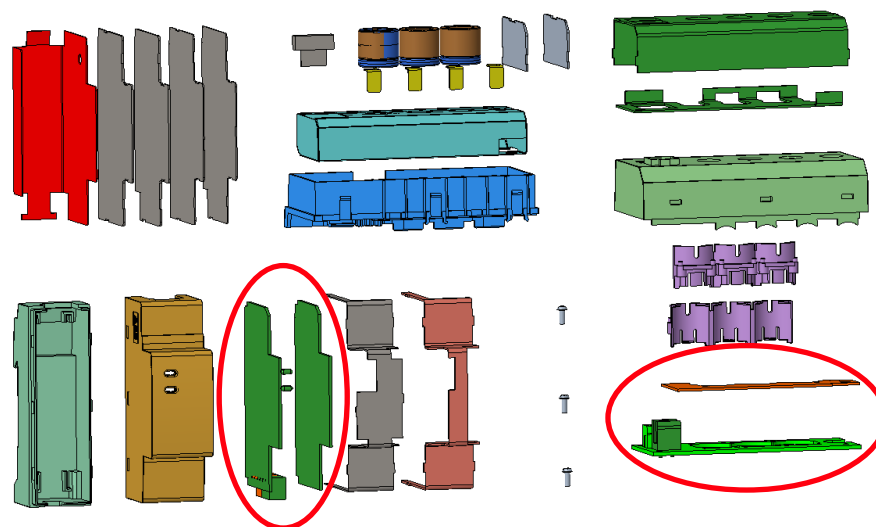
First step, the connection screw <sup>(1)</sup> and fixing plates <sup>(1)</sup> should be removed to split intelligent Module and OVR Module.



The second step is to remove the 3 Connector Clip <sup>(2)</sup>.

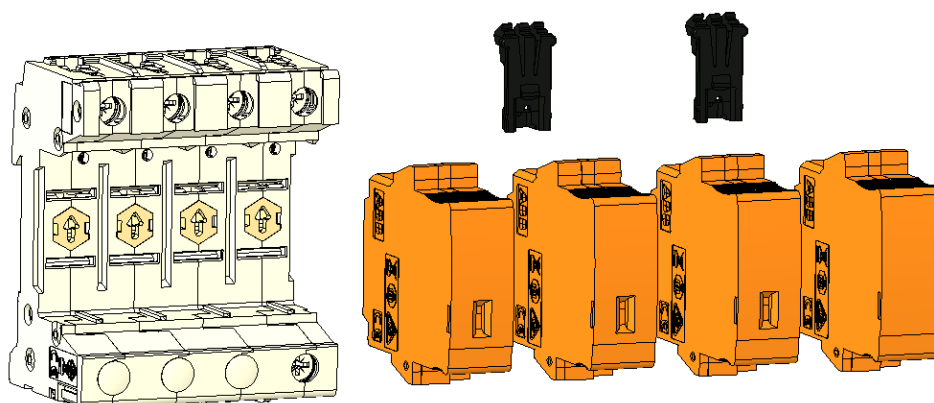
Since EOVR mainly contains two modules, namely intelligent module and OVR module, The parts of each of them will be extracted until reaching the configuration shown in the figures below:

## 2.1. Intelligent Module

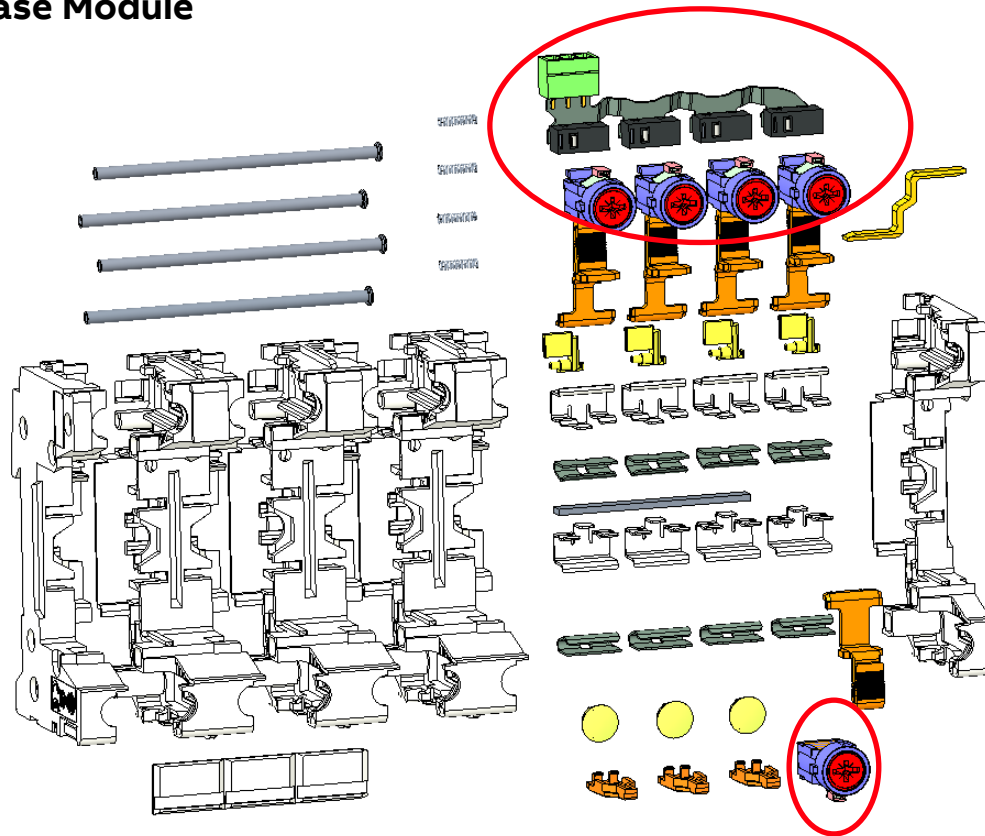


\*Rounded parts have welded pieces that cannot be manually disassembled.

## 2.2. OVR Module

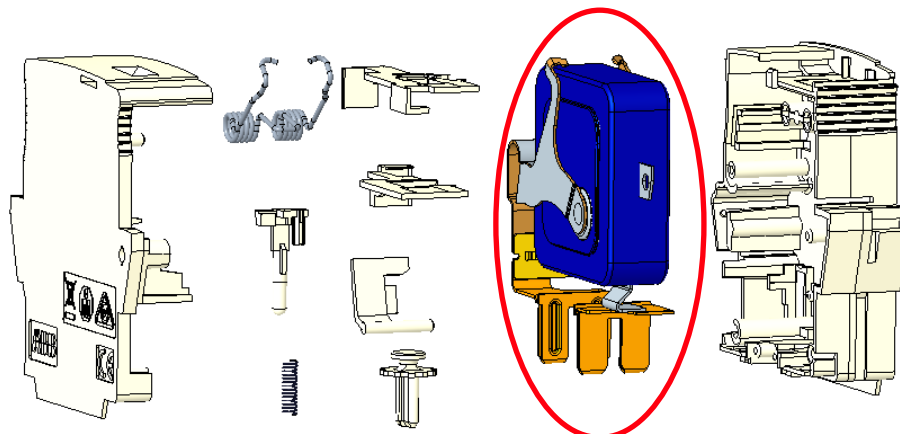


### 2.2.1. Base Module



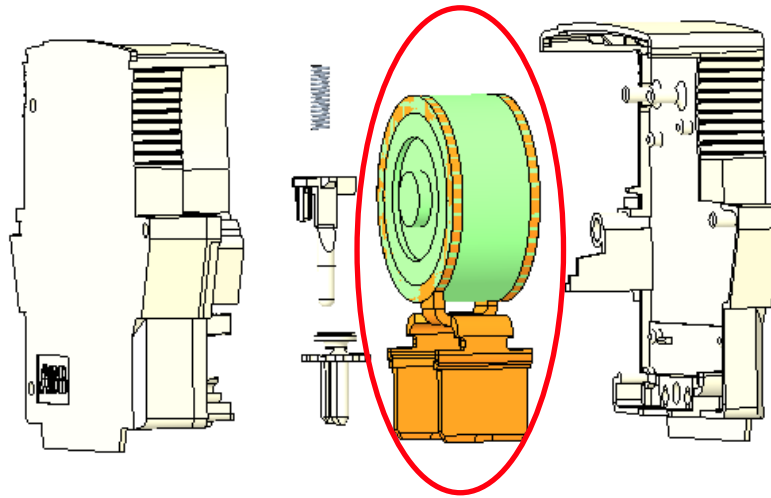
\*Rounded parts have welded pieces that cannot be manually disassembled.

### 2.2.2. Phase Cartridge Module



\*Rounded parts have welded pieces that cannot be manually disassembled.

### 2.2.3. Neutral Cartridge Module



\*Rounded parts have welded pieces that cannot be manually disassembled.

### 2.3. Electronic Board

In the intelligent module and Base module there is five Electronic Boards this component must be depolluted to assure an appropriate end of life treatment



## 3. Constituent materials

Plastics		Metals		Others	
PA66/PA66 + GF	17.2%	Steel	11.4%	Electronic Component	31.9%
PA66	8.5%	Cu	13.5%	Corrugate board & Paper	14.0%
Others	3.0%	Al	0.5%		

\*% of total weight.

## 4. Additional Information

Weight	864.09 g
Overall dimensions (H x D x W)	98.2 x 111.7 x 76.18 mm