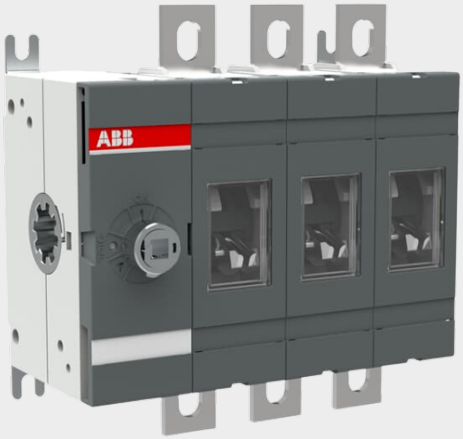
INSTRUCTION HANDBOOK

Disassembling Instruction

OT160-250



1. SCOPE

Scope of this document is to illustrate the basic structure and disassembly of OT160-250 switch-disconnectors. Accessories, such as shafts, clamps, shrouds, neutral links and auxiliary contacts are not included in this document.

2. SAFETY NOTES

Before proceeding with any disassembling operation, it's mandatory to put the switch-disconnector in open position.

Disassembling operations of switch-disconnectors must be performed by qualified and skilled personnel in the electrical field (IEV 195-04-01: person with relevant education and experience to enable him or her to perceive risks and to avoid hazards which electricity can create) and having a detailed knowledge of switch-disconnectors.

Disassembling activities must be performed in an ergonomic workspace able to ensure protection of persons demanded to perform disassembling activities.

Applicable national legislation and international standards in force at the time of disassembling of switch-disconnectors must be taken into account in addition to prescriptions illustrated in this document. ABB declines any responsibility for injury to people or damage to property resulting from a failure to comply with the instructions set out in this document and with any applicable safety standard.

3. PERSONAL PROTECTIVE EQUIMENT (PPE)

When performing disassembling following safety Personal Protective Equipment (PPE) must be worn:

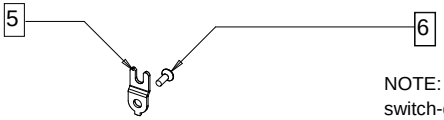
4. TOOLS

Disassembling operations require the use of tools (e.g. screwdriver, torx key, pliers, ...)tools to be used are specified inside each phase of the disassembling process.

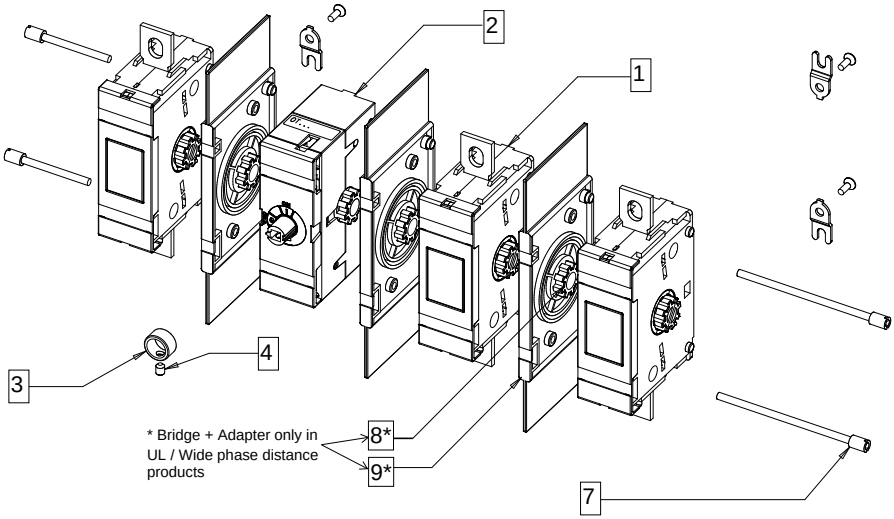
5. DISASSEMBLING PROCESS

Disassembly process is to be performed following the structure shown in drawings in this chapter.Each drawing shows the components, their weight, material and quantity.

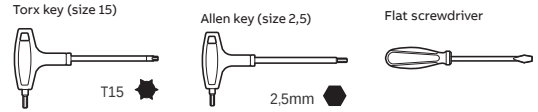
5.1 Phase 1, Switch-disconnector assembly



NOTE: Structure and appearance of switch-disconnector will change based on the chosen pole configuration



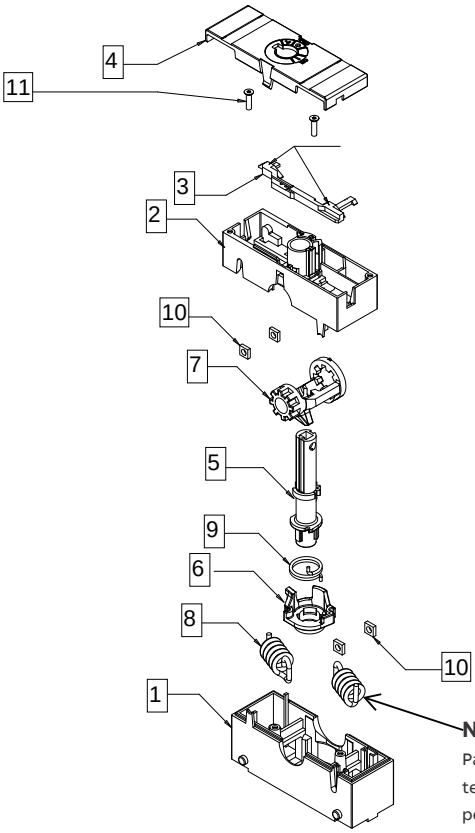
Tools:



For parts: 6 | For parts: 4 | For parts: 7

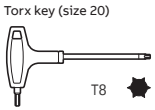
Part no	Materials	Qty	Materials	Weight (g/pc)
1	Pole	3-4	(Assembly)	320,63
2	Mechanism	1	(Assembly)	226,76
3	Locking Ring	1	Steel	5,40
4	Hexag. Socket Head Screw	1	Steel	0,54
5	Mounting plate	4	Steel	3,0
6	Screw	4	Steel	1,15
7	Stud screw	2-4	Steel	5,5-12,58
8 *	Bridge	3-4	Polyarylamide	12,1
9 *	Adapter	3-4	Polycarbonate	29,5

5.2 Phase 2, Mechanism Assembly



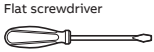
Note!
Pay special attention to tensioned springs. Use personal protective equipment.

Tools:



For parts: 6

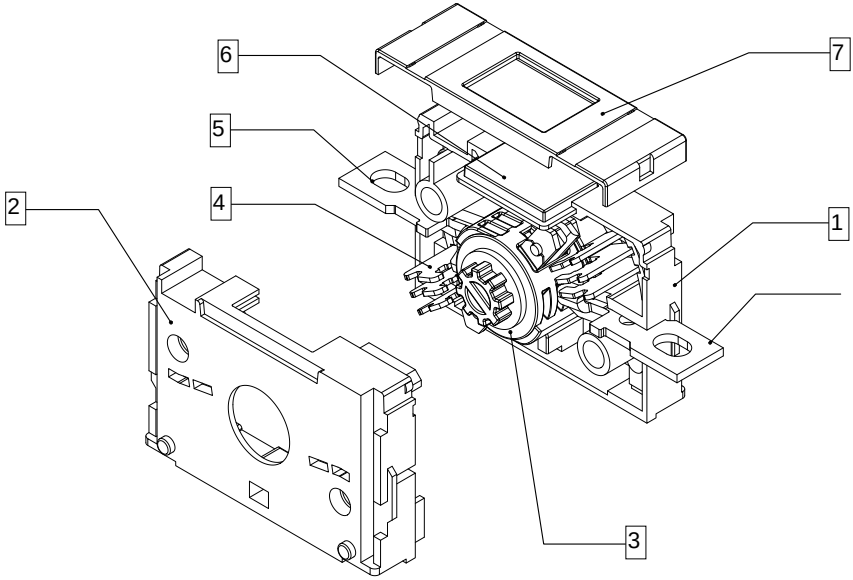
For parts: 8



For parts: 4

Part no.	Name	Qty	Materials	Weight (g/pc)
1	Frame	1	Polyamide	54,84
2	Frame	1	Polyamide	38,10
3	Contact Guide Support	1	Polyamide	2,61
4	Cover	1	Polycarbonate	8,05
5	Pipeshaft	1	Zinc alloy	36,90
6	Lever	1	Zinc alloy	21,71
7	Lever	1	Zin calloy	38,60
8	Spring	2	Steel	9,68
9	Rhythm Spring	1	Steel	2,61
10	Steel Nut	4	Steel	0,59
11	Screw	2	Chromium steel	0,76
12	Label Set	1	Polyest -Resin	0,09

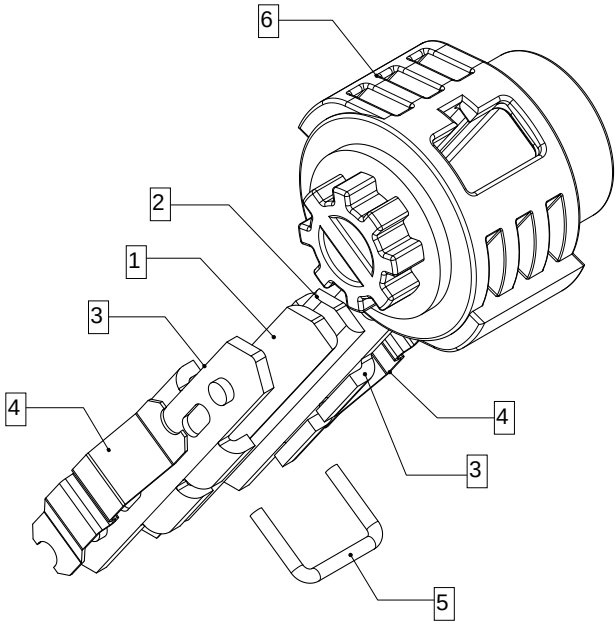
5.3 Phase 3, Pole Assembly



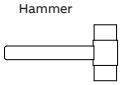
Tools: None

Part no.	Name	Qty	Materials	Weight (g/pc)
1	Frame A	1	Polyest-Resin	79,3
2	Frame B	1	Polyest-Resin	78,1
3	Contact construction	1	Assy	80,0
4	Arc Plate	6	Steel	4,3
5	Fixed Contact	2	Copper	24,3
6	Window	1	Polycarbonate	2,5
7	Cover	1	Polycarbonate	6,5

5.4 Phase 4, Contact Construction Assembly



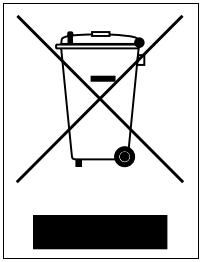
Tools:



Part no.	Name	Qty	Materials	Weight (g/pc)
1	Contact Knife	1	Copper	9,1
2	Contact Knife	1	Copper	9,1
3	Contact Iron	2	Steel	12,2
4	Contact Spring	2	Chromium Steel	1,6
5	Spring Guide	1	Chromium Steel	0,7
6	Roll	1	Polyest-Resin	33,5

6. Recycling information in accordance with the WEEE

The product is marked with the wheelie bin symbol. It indicates that at the end of life the product should enter the recycling system.
You should dispose of it separately at an appropriate collection point and not place it in the normal waste stream.
The figure below shows the wheelie bin symbol indicating separate collection for electrical and electronic equipment (EEE).



The horizontal bar underneath the crossed-out wheelie bin indicates that the equipment has been manufactured after the Directive came into force in 2005.
The wheelie bin symbol is added to the type designation label of the product since 2017.

Contact us

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