FOR RECYCLING PURPOSES ONLY

Disassembly Instructions

Change-over switches OT630–800_C

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Important information

This document shows the disassembly process of OT630–800_C change-over switches. Accessories, such as shafts, clamps, shrouds, neutral links and auxiliary contacts are not included. **Note! This document is for recycling purposes only.**

Safety Notes
Before starting the disassembly process it is mandatory to put the change-over switch in open position.

Disassembly of change-over switches 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 change-over switches.

Disassembly must be done in an ergonomic workspace which can ensure the protection of the person doing the disassembling.

Applicable national legislation and international standards in force at the time of the disassembly of the change-over switch must be taken into account in addition to the 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.

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

Tools
The disassembly process requires the use of tools (e.g. screwdriver, torx key, pliers). Tools to be used are specified inside each phase of the disassembly process.

Disassembly process
For each phase of the disassembly process the following information is provided:
• Part/parts to be disassembled (title of the phase)
• Tools to be used
• Description of actions to be performed
• Pictures showing actions to be performed
• List, quantity and picture of disassembled parts with an indication about separate treatment (when applicable)
• In case of potential hazards signal below is reported:

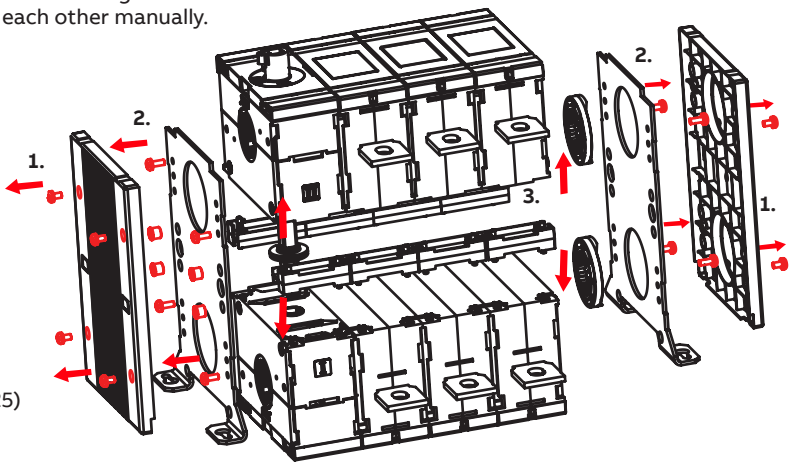
Disassembly of the change-over switch

Phase 1 to 3 – End plates, mounting plates and switch-disconnectors

1. Use a torx key (size 25) to unscrew the 8 screws fixing the end plates to the switch-disconnectors.

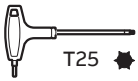
2. Use a torx key (size 25) to unscrew the 8 screws fixing the mounting plates to the switch-disconnectors. Remove the 4 lock-parts from the mounting plate.

3. Separate the switch-disconnectors, interm covers and contact guide supports from each other manually.

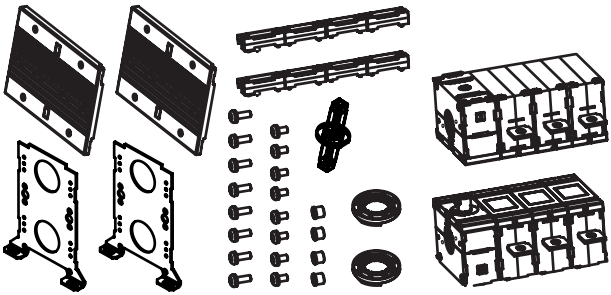


Tools

Torx key (size 25)



Disassembled parts



- 8 screws
- 8 screws
- 4 lockparts
- 2 end plates
- 2 mounting plates
- 2 contact guide supports
- 1 connecting part 6 poles
- 8 interm covers
- 2 switch-disconnectors

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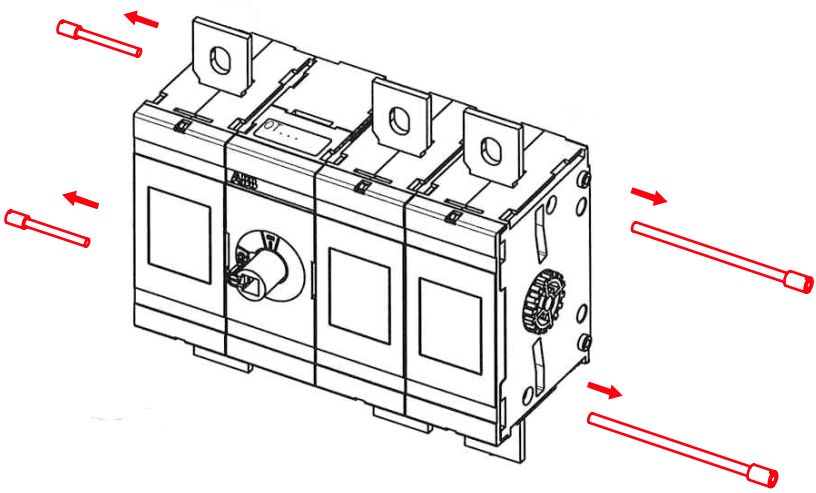
Phase 4 – Stud screws

Use a flat screwdriver to unscrew the stud screws fixing the poles to the mechanism.



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Tools

Flat screwdriver

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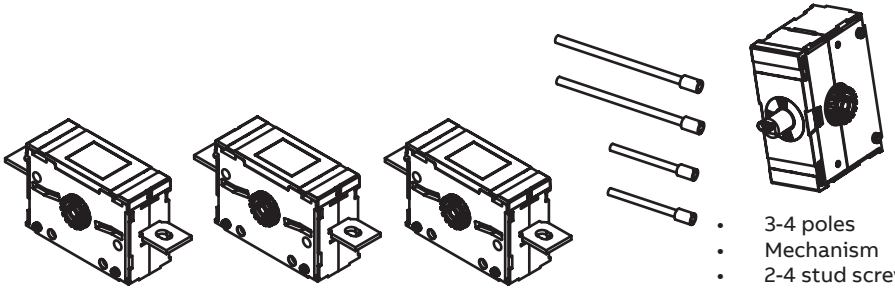
Disassembled parts



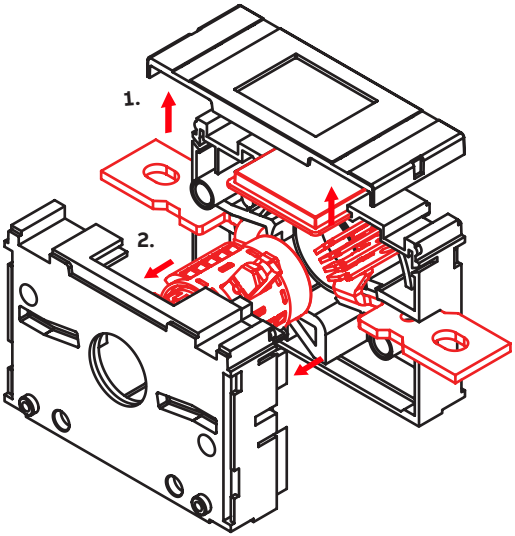
- 3-4 poles
- Mechanism
- 2-4 stud screws

Disassembly of the pole

Phase 1 & 2 – Cover, frames and inner parts

1. Use a flat screwdriver to remove the cover.

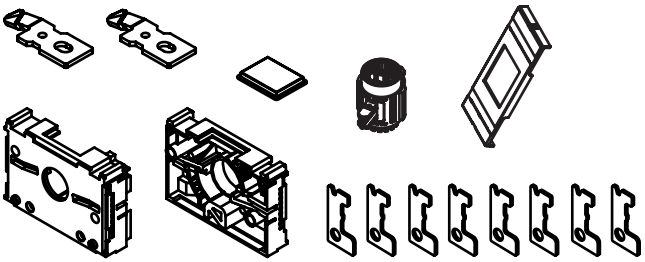
2. Separate the frames and remove contact construction, arc plates, fixed contacts and window manually.



Tools

Flat screwdriver

Disassembled parts

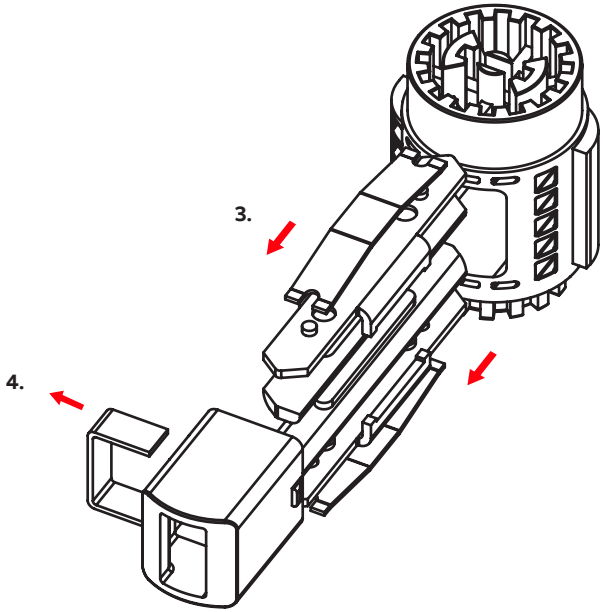


- Frame A
- Frame B
- Contact construction
- 2 fixed contacts
- 8 arc plates
- Cover
- Window

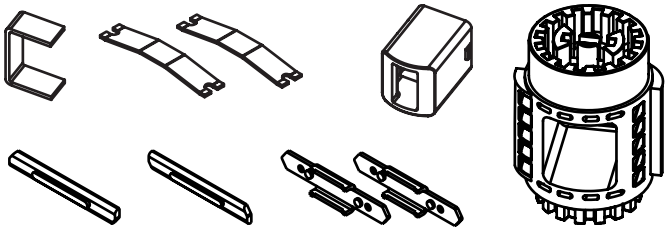
Phase 3 & 4 – Contact construction

3. Remove the knife structure from the roll manually.

4. Separate spring guide, locking piece, contact knives, contact springs and contact irons manually.



Disassembled parts



- Roll
- 1 contact knife
- 1 contact knife
- 2 contact irons
- 2 contact springs
- 1 spring guide

Disassembly of the mechanism

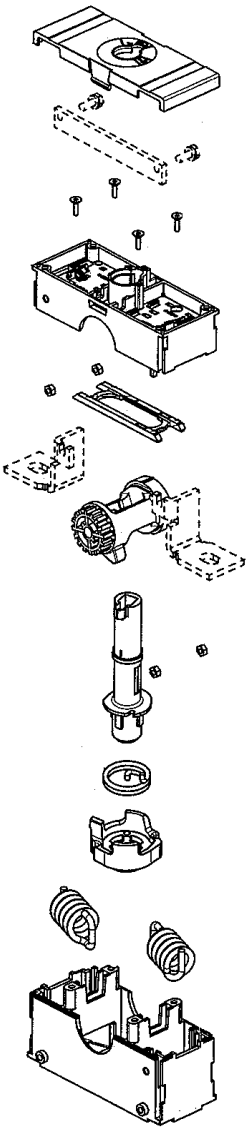
1. Remove the cover with the help of a flat screwdriver.

2. Unscrew the 4 screws with a torx key to remove the upper frame. Remove contact guide support and two steel nuts manually.

3. Remove the lever.

4. Remove pipesaft, lever and rhythm spring.

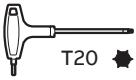
5. Remove the springs using pliers. Remove the two steel nuts manually.



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

Tools

Torx key (size 20)



Flat screwdriver

Pliers

Disassembled parts

- Frame
- 2 springs
- 4 steel hex nuts
- Lever
- Pipeshaft
- Lever
- Rhythm spring
- Frame
- 4 screws
- Cover
- Contact guide support

Component list

Change-over switch OT630–800_C

Component name	Quantity	Material(s)	Weight (g/pc)
OT630–800_C1	1	See component list below	5260,7
OT630–800_C2	1	See component list below	5304,5
Connecting part 6 poles	1	Zinc alloy	111,2
Interm cover	8	Polycarbonate	9,8
Mounting plate	2	Steel	743,0
End plate	2	Polycarbonate	133,3
Contact guide support	2	Polyamide	15,6
Screw	8	Steel	3,5
Screw	8	Steel	2,9
Lockpart	4	Polyamide	0,8
Lock spring	1	Steel	0,2
Slot screw	1	Steel	1,3
Spring washer	1	Steel	0,2
O-ring	1	Rubber	0,0
Label set/ YKLW8009-1	1	Polyest-resin	0,1
Address plate	1	Polyest-resin	0,0

Switch-disconnector OT630–800_C1

Component name	Quantity	Material(s)	Weight (g/pc)
Mechanism	1	See component list	1121,2
Pole	3-4	See component list	1364,4
Stud screw	2-4	Steel	10,0-35,0

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Switch-disconnector OT630–800_C2

Component name	Quantity	Material(s)	Weight (g/pc)
Mechanism	1	See component list	1165,0
Pole	3-4	See component list	1364,4
Stud screw	2-4	Steel	10,0-35,0

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Pole

Component name	Quantity/pole	Material(s)	Weight (g/pc)
Frame A	1	Polyest-resin	348,4
Frame B	1	Polyest-resin	353,0
Contact knife	1	Copper	39,5
Contact knife	1	Copper	39,5
Contact iron	2	Steel	33,5
Contact spring	2	Chromium steel	7,2
Spring guide	1	Chromium steel	7,9
Roll	1	Polyamide	87,6
Locking piece	1	Polyamide	12,8
Arc plate	8	Steel	9,7
Fixed contact	2	Copper	142,1
Window	1	Polycarbonate	10,8
Cover	1	Polycarbonate	22,0

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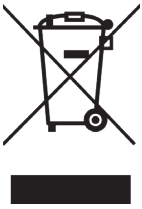
Mechanism

Component name	Quantity	Material(s)	Weight (g/pc)
Frame	1	Polyamide	236,0
Frame	1	Polyamide	125,9
Cover	1	Polycarbonate	36,6
Pipeshaft	1	Zinc alloy	190,0
Lever	1	Zinc alloy	166,5
Lever	1	Zinc alloy	314,9
Spring	2	Chromium steel	6,7
Rhythm spring	1	Steel	25,7
Steel hex nut	4	Steel	1,5
Screw	4	Steel	1,6

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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