

FOR RECYCLING PURPOSES ONLY

Disassembly Instructions

OT Plus Switch-Disconnectors OT(C)30...160G3-



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Important information

This document shows the disassembly process of OT Plus OT(C)30...160G3-switch-disconnectors. Accessories, such as shafts, shrouds, additional poles and auxiliary contacts are not included. **Note! This document is for recycling purposes only.**

This document uses OT125G3-3BS version as a reference product, and it covers other versions of OT Plus OT(C)30...160G3-switch-disconnectors with few differences to be taken into account. These differences include number of poles, pole configuration, side or front operation. Other differences between switch-disconnectors may result from accessories, including shafts, handles, phase barriers, shrouds, connection bars, auxiliary contacts, mechanical lugs and interlocks.

Safety Notes

Before starting the disassembly process it is mandatory to put the switch-disconnector in open position.

Disassembly 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.

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 switch-disconnectors 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:

Glasses



Gloves



Safety shoes



Protective clothes



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

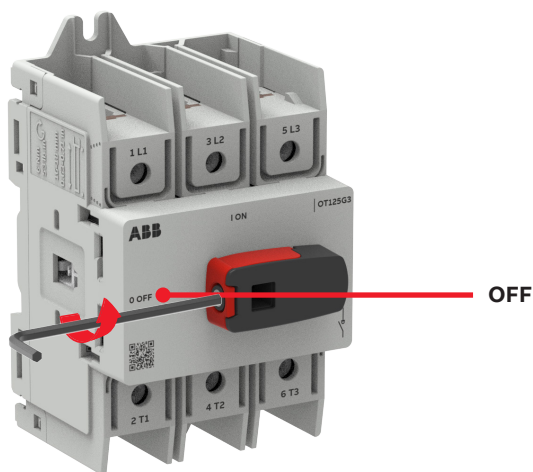
For each phase of the disassembly process the following information is provided:

- Tools to be used
- Pictures showing actions to be performed
- In case of potential hazards signal below is reported:



Disassembly of the switch-disconnector

1

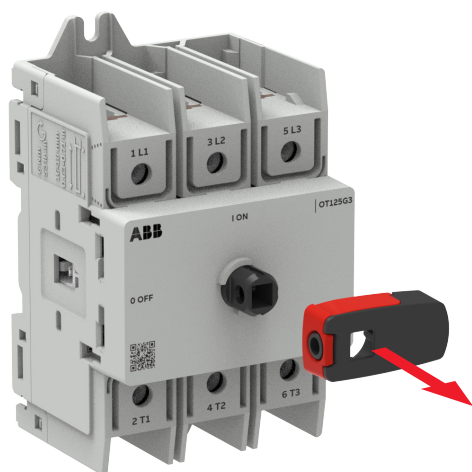


Tools

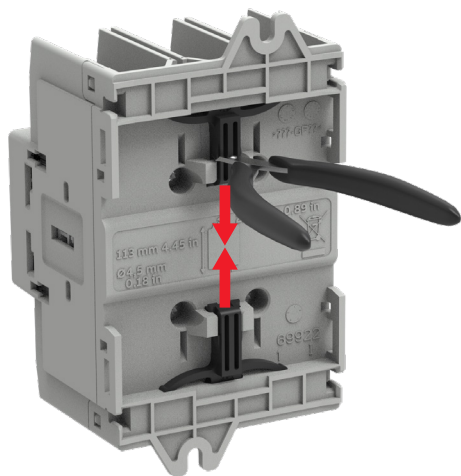
Hex key

2.5 mm

2



3

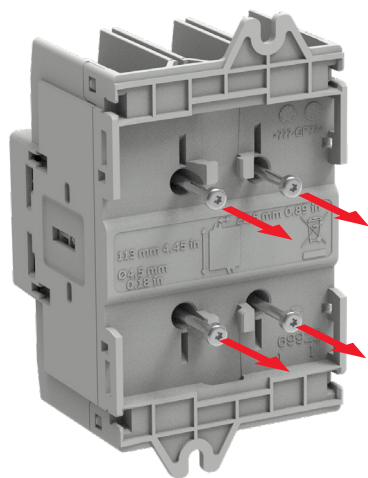


Tools

Pliers

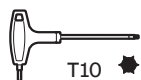


4

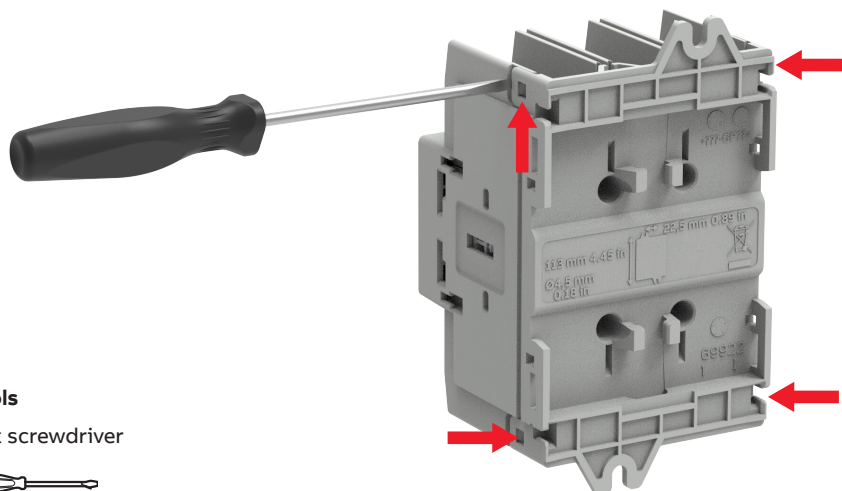


Tools

Torx tamper-proof



5

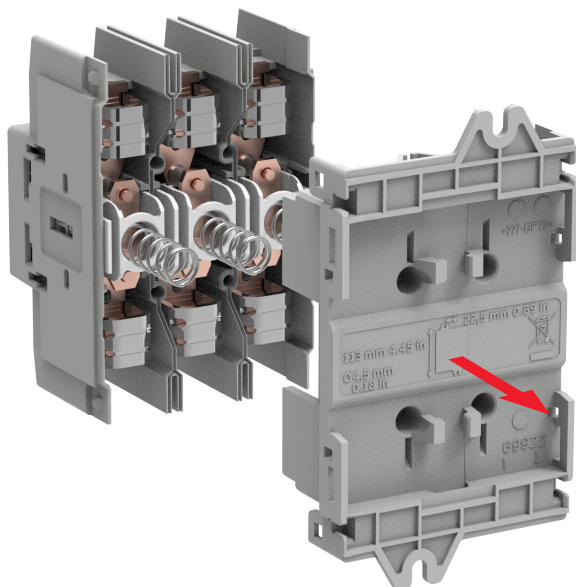


Tools

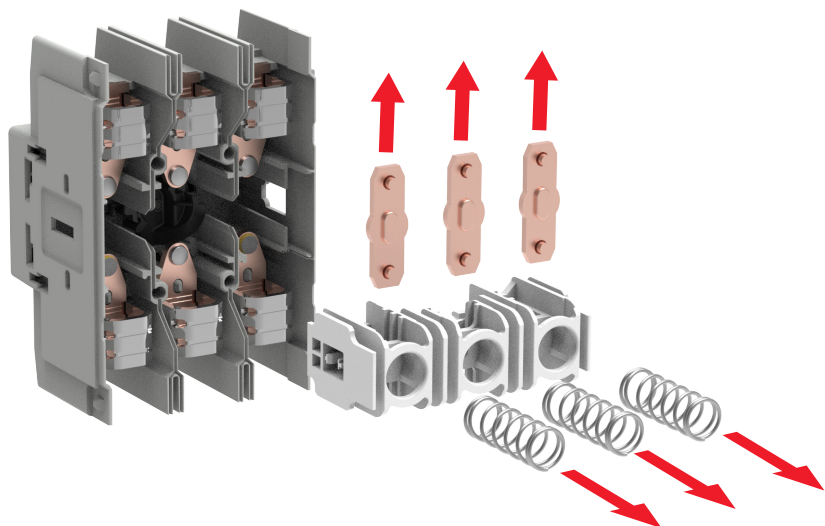
Flat screwdriver



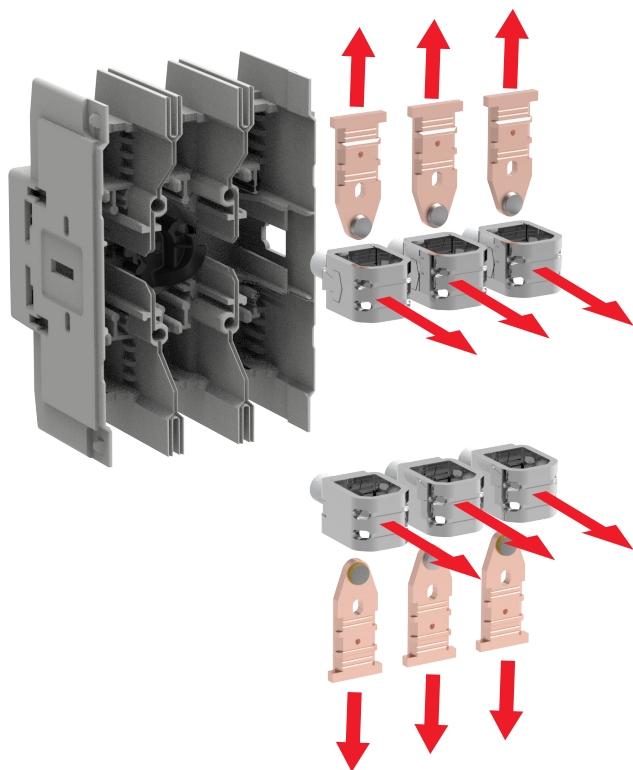
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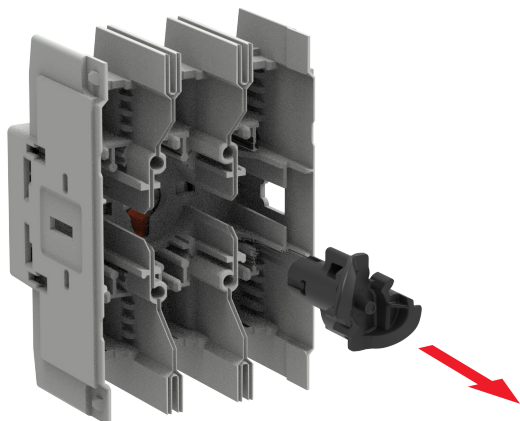
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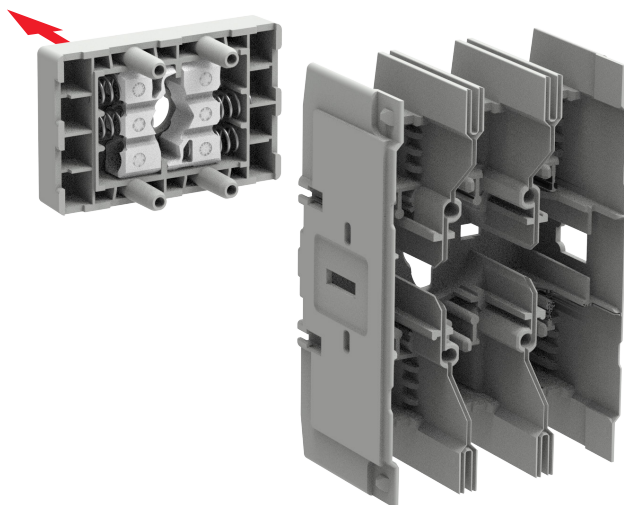
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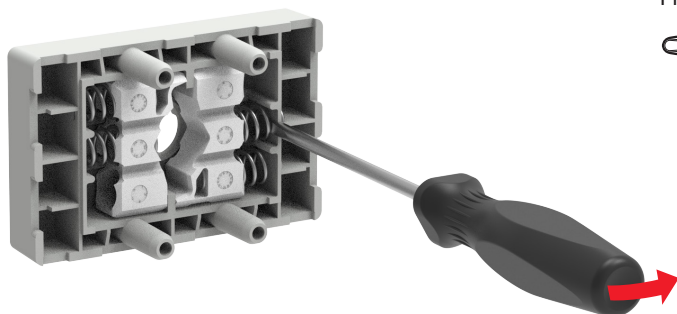
9



10



11

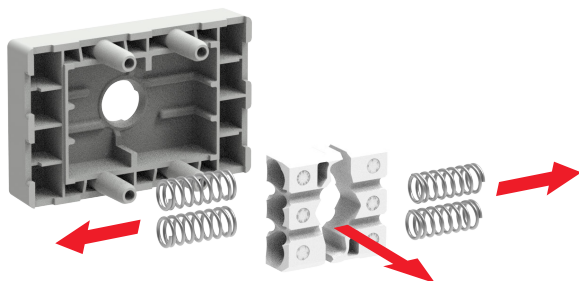


Tools

Flat screwdriver



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Component list

Switch-disconnector OT(C)30...160G3-

Component name	Quantity	Material(s)	Weight (g/pc)
Mechanism cover	1-2	Polyamide	23-56
Upper frame	1-2	Polyamide	82-117
Shaft	1-2	Polyamide	5
Slider**	1-2	Polyamide	2
Rhythm piece	2-4	Polyoxymethylene (POM)	3
Compression spring	4-8	Steel	1
Tunnel terminal	6-16	Steel	12
Fixed contact	6-16	Copper	7
Contact tip	12-16	Silver nickel alloy	0.5
Tunnel terminal screw	6-16	Steel	4
Bridge	1-2	Polyamide	17-25
Offset spacer**	1-2	Polyamide	1
Adjusting piece**	1-2	Polyamide	0.5
Late break spring**	1-2	Steel	0.1
Moving contact	3-8	Copper	7
Compression spring	3-8	Chromium steel	1
Lower frame	1-2	Polyamide	66-90
Screw	4-12	Steel	2
Din lock*	2-4	Polyamide	1
Handle*	1		7
Lock piece***	2	Polyamide	0.2
Lock piece***	2	Polyamide	0.2

Handle*

Component name	Quantity	Material(s)	Weight (g/pc)
Handle base*	1	Polyamide	4
Locking piece*	1	Polyamide	2
Hexag. socket head screw*	1	Steel	1

*Only in OT(C)30...160G3-3BS and OT(C)30...160G3-4BSN2
**Only in OT(C)30...160G3-4BSN2 and OT(C)30...160G3-4DSN2
***Only in OT30...160G3-6BS, OT30...160G3-8BS and OTC30...160G3-

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.



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