

PROTECTION AND CONNECTION

Product environmental information

Fuse switch disconnecter

Kabeldon SLD

Applicability

This document covers the environmental information for the following products manufactured by ABB AB, Protection and Connection, Alingsås - Sweden:

Applicability

Type	Product ID
SLD 63	2CGX0 63050110
SLD 000	2CGX0 63050106
SLD-FHD 000	2CGX0 63050116
SLD 00	2CGX0 63050107
SLD-FHD 00	2CGX0 63050117
SLD 1	2CGX0 63050108
SLD 2	2CGX0 63050109

Product conformity and compliance

REACH (Regulation EC 1907/2006)

During normal and reasonably foreseeable conditions of use, Fuse Switch Disconnectors and related accessories manufactured by ABB AB, Protection and Connection, do not intentionally release any substance or preparation.

ABB AB, Protection and Connection continuously undertakes communications throughout its supply chain in order to collect information about suppliers' compliance with REACH Regulation.

RoHS and RoHS II

With reference to the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS).

The RoHS Directive does not apply to Fuse Switch Disconnectors and related accessories manufactured by ABB AB, Protection and Connection, as they are not falling under the categories 1, 2, 3, 4, 5, 6, 7 and 10 set out in Annex IA of the WEEE Directive 2002/96/EC.

SVHC (Regulation EC 1907/2006 REACH)

ABB AB, Protection and Connection continuously assesses its products for content of Substances of Very High Concern (SVHC), as included in the "Candidate List" by the European Chemicals Agency (ECHA).

According to our current best knowledge, Fuse Switch Disconnectors and related accessories manufactured by ABB AB, Protection and Connection, do not contain SVHC substances exceeding 0.1% w/w. In the event we discover that any SVHC is present above the reporting threshold, we will inform you according to the requirements of REACH directive.

WEEE

Fuse Switch Disconnectors and related accessories manufactured by ABB AB, Protection and Connection, are not in the scope of Directive 2002/96/EC (1st version), thus they are also excluded from the Directive version (2012/19/EU), at least up to August 14th 2018.

Product Safety

The products has been tested according to standards:

EN60947-1: 2007/A2:2014

EN60947-3: 2008/A2:2015

Directives:

"Low Voltage Directive" (LVD) 2017/35/EU

"Electromagnetic Compatibility Directive" (EMC) 2014/30/EU

Material declaration

The total weight of the products

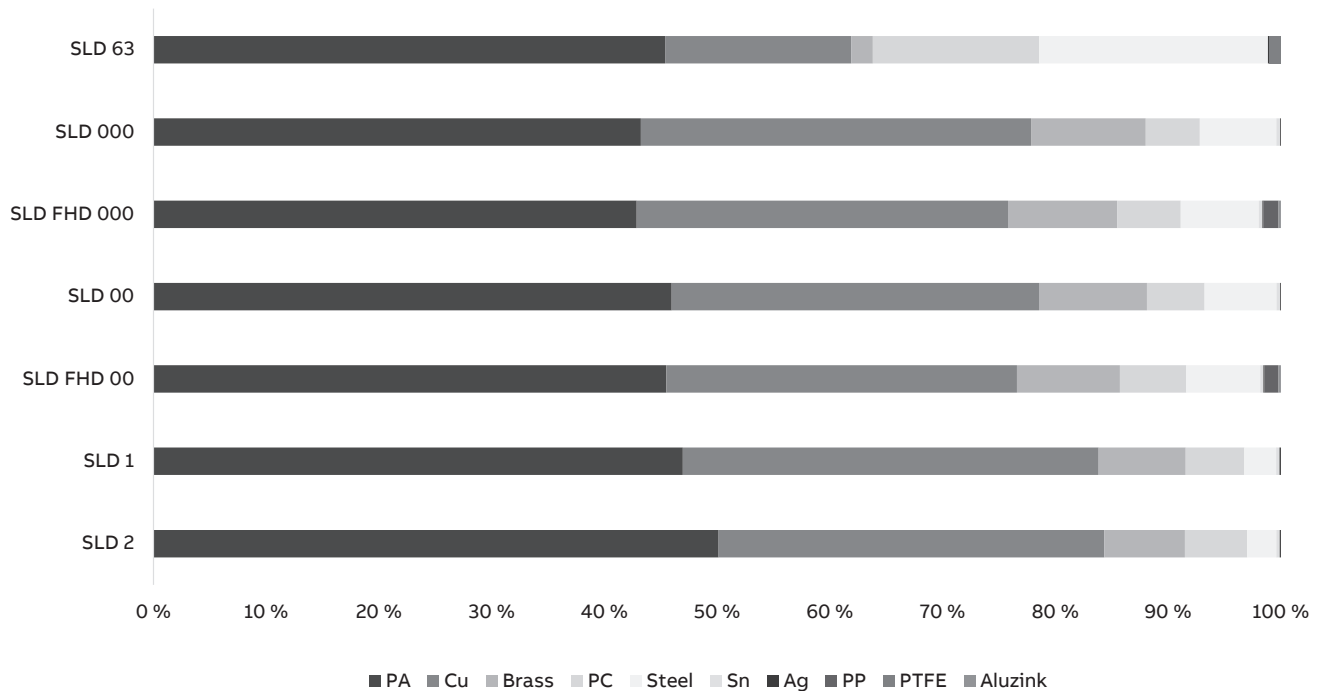
Type	Weight (kg)
SLD 63	1,45
SLD 000	1,77
SLD-FHD 000	1,86
SLD 00	1,88
SLD-FHD 00	1,97
SLD 1	4,28
SLD 2	4,61

The chart below shows the constituent materials and their allocation in the SLD fuse switch disconnectors.

Material declaration

Material	SLD 63 Weight (kg)	SLD 000 Weight (kg)	SLD FHD 000 Weight (kg)	SLD 00 Weight (kg)	SLD FHD 00 Weight (kg)	SLD 1 Weight (kg)	SLD 2 Weight (kg)
PA	0,660	0,765	0,797	0,864	0,896	2,007	2,311
Cu	0,240	0,613	0,613	0,613	0,613	1,577	1,577
Brass	0,028	0,180	0,180	0,180	0,180	0,330	0,330
PC	0,215	0,085	0,105	0,096	0,116	0,223	0,254
Steel	0,294	0,120	0,129	0,120	0,129	0,120	0,120
Sn	0,001	0,006	0,006	0,006	0,006	0,013	0,013
Ag	0,002	0,001	0,001	0,001	0,001	0,005	0,005
PP	-	-	0,025	-	0,025	-	-
PTFE	0,015	-	-	-	-	-	-
Aluzink	-	-	0,004	-	0,004	-	-

Material declaration



Packaging

The SLD fuse switch disconnectors are packed in recyclable cardboard boxes (100% cardboard).

Product use

Power losses

Power losses for SLD are indicated in the following table:

Power losses

Type	Nominal current	Power loss [W] with fuse	Power loss [W] with linking knife
SLD 63	63 A	25,20	6,60
SLD 000	100 A	29,40	9,00
SLD-FHD 000	100 A	29,40	9,00
SLD 00	160 A	44,90	19,80
SLD-FHD 00	160 A	44,90	19,80
SLD 1	250 A	70,60	20,30
SLD 2	400 A	120,60	40,40

The power loss with linking knife represent about 0,01-0,02% of total effect flowing through the SLD, with fuse the corresponding value is about 0,04%.

End-of-life

The main parts of the fuse switch disconnectors can be recycled to preserve natural resources and energy. Product parts and materials should be dismantled and separated.

Generally all metals can be recycled as material. Plastics and packaging material can be used in energy recovery.

To aid recycling, plastic elements are – where possible – marked with appropriate identification code.

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