DC dist 1U 19" 12xCB(B)

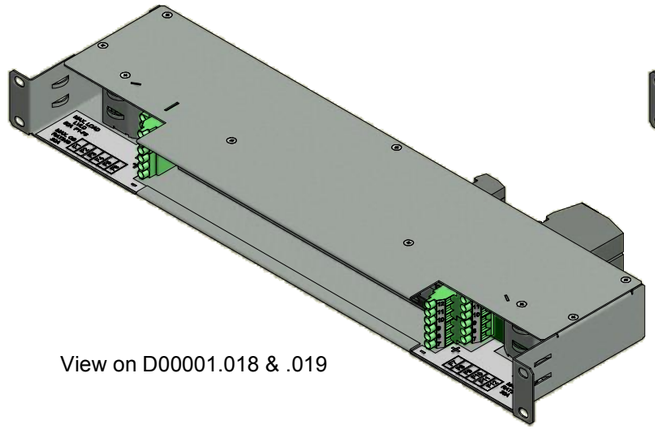
DC load distribution

Product Recycling Guidelines
This document facilitates the evaluation of DC dist 1U 19" 12xCB(B) at end-of-life as input to external recycling companies.

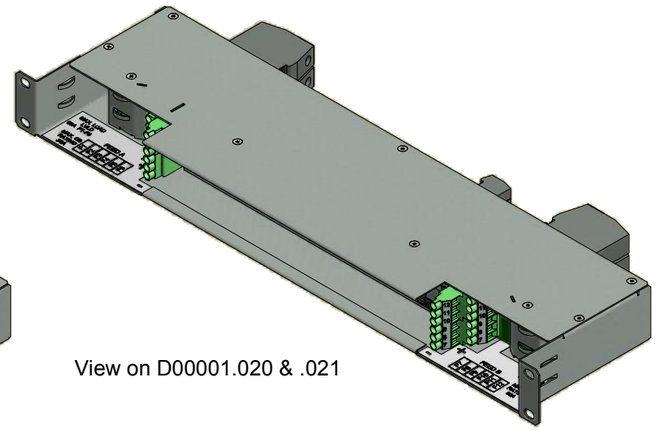
(Numbers and description of exploded subassemblies)
1. Top cover removal.
2. PCBA and busbar subassembly removal from Chassis.
3. PCBA removal from subassembly.
4. Rear connector, blanking plugs and bushing removal from Chassis.

Note: '*' - This is a general disassembly document applicable to all four versions of the DC load distribution and as such the shown busbar, contactor and connector configuration may be different.

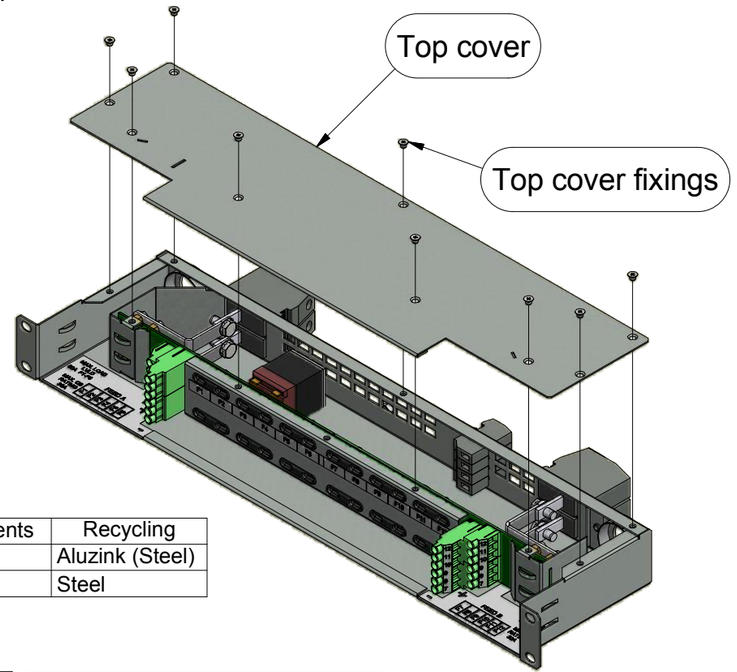
1. Top cover removal:
a. Remove nine top cover fixing using PZ2 screw driver.
b. Remove top cover.



View on D00001.018 & .019



View on D00001.020 & .021



Material Information and Disassembly Instructions
Recycling and disposal of the **DC dist 1U 19" 12xCB(B)** must be performed according to national and local regulations for end-of-life treatment of Electrical and Electronic Equipment. All the electronic equipment must be handeled as special waste. Printed Circuit Board Assemblies (PCBAs) must be handeled separately from other waste, and kept away from open fire. All work must be done according to good operating practices and strictest safety standards, taking into account all relevant health and safety aspects.

Components	Recycling
Top cover	Aluzink (Steel)
Fixings	Steel

General Information	
Product family name	1U Distribution
Product part numbers	D00001.018 D00001.019 D00001.020 D00001.021
Weight	D00001.018 - 1.7 Kg D00001.019 - 1.8 Kg D00001.020 - 1.8 Kg D00001.021 - 1.9 Kg
Compliant to EU RoHS2 directive 2011/65/EU	Yes

Material contents

Material	D00001.018 (Kg/g/lbs)	D00001.019 (Kg/g/lbs)	D00001.020 (Kg/g/lbs)	D00001.021 (Kg/g/lbs)
Misc. steel & fixings	1270 g	1270 g	1270 g	1270 g
Copper (Nickel plated)	125 g	123 g	90 g	87 g
Pillars (Brass)	28 g	28 g	28 g	28 g
Contactor	None	102 g	None	102 g
Plastic	20 g	20 g	17 g	17 g
Connectors (rear mounted)	107 g	125 g	214 g	232 g
Other (printed circuit board assembly)	170 g	170 g	170 g	170 g

Tools required

Tool	Size
PZ screw driver	1
PZ screw driver	2
Flat blade screw driver	4mm
2 x Spanner for M4	7mm
Spanner for M6	10mm

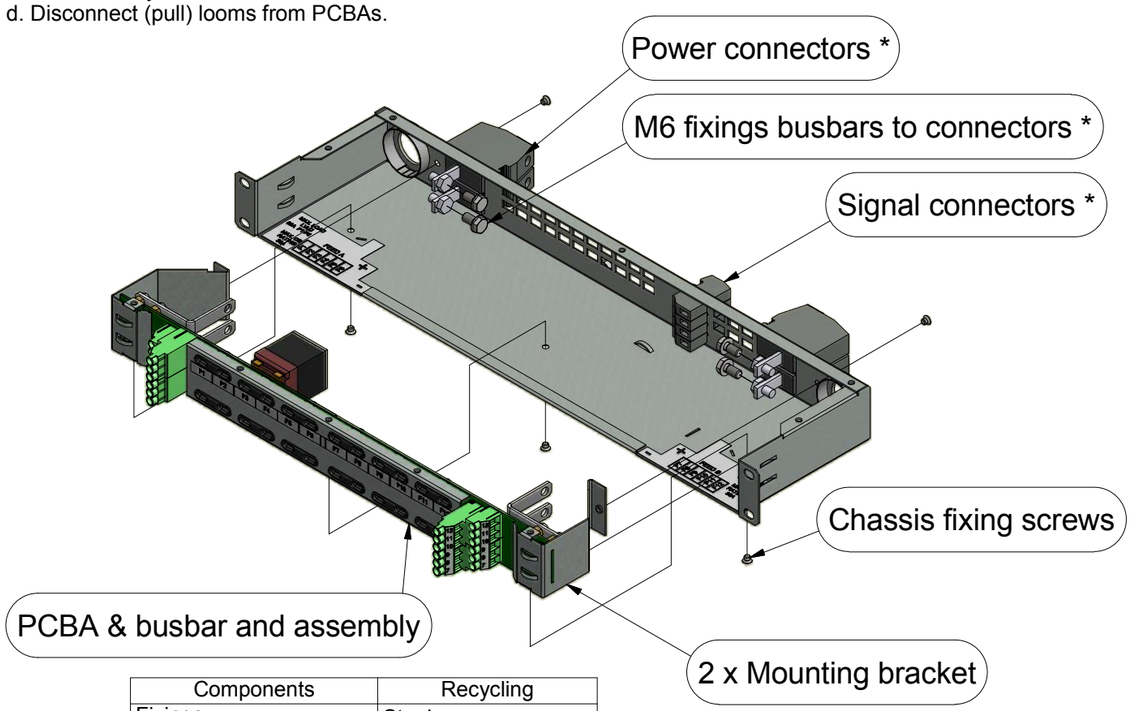
Items requiring selective treatment -disposed of or recovered in compliance with Directive 2008/98/EC (2)

Item description	Items included	Notes
Printed circuit boards (PCB) grater than 10cm^2	Yes	
Mercury containing components	No	
Batteries	No	
Plastic containing brominated flame retardants	No	
Capacitors/condensers containing Polychlorinated biphenyls (PCB)	No	
Liquid crystal displays of a surface grater than 100 square and all those back-lighted with gas discharge lamps	No	
Components containing refractory ceramic fibres	No	
Electrolyte capacitors containing substances of concern (heigth or diametre>25mm or similar volume)	No	
Chlorfluorcarbons (CFC), hydrochlorfluorcarbons (HCFC), hydrofluorcarbons (HFC) or hydrocarbons (HC)	No	
	No	

02.01.2013/Fmono	Date/Sign.	Tolerances for dimensions without specified tolerances: ISO 2768-m		Material	Material thickness
		All dimensions not visible in drawing are to be extracted from 3D model file!		Material colour	
		Date 04.07.2012	Design CHLAGB / Draw CHLAGB / Approved IFS	Paint colour	
121212NB	Alteration			Surface treatment	
2	Sym.	Disassembly RoHS/WEEE DC dist 1U 19" 12xCB(B)		Dimensions in mm / Scale - / Format A3 / Projection	Dwg.no. 2131507 / Rev. 2
					Sheet 1 of 2

2. PCBA and busbar subassembly removal from Chassis:

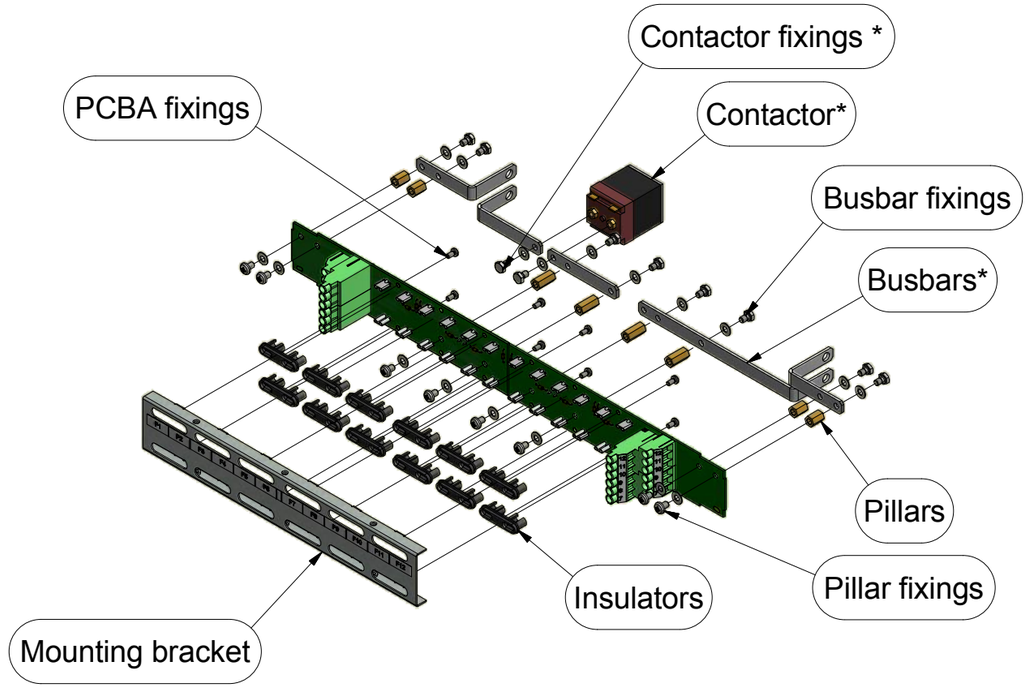
a. Disconnect all looms from rear signal connectors using 4mm flat bladed screw driver.
b. Remove four M6 fixings used for securing busbars to power connectors using 10mm spanner.
c. Remove five chassis fixing screws using PZ1 screw driver and extract PCBA, busbar and contactor* subassembly from chassis.
d. Disconnect (pull) looms from PCBAs.



Components	Recycling
Fixings	Steel
Mounting brackets	Aluzink (Steel)
Cable looms	Special electronic equipment

3. Disassembly of PCBA, busbar and contactor assembly:

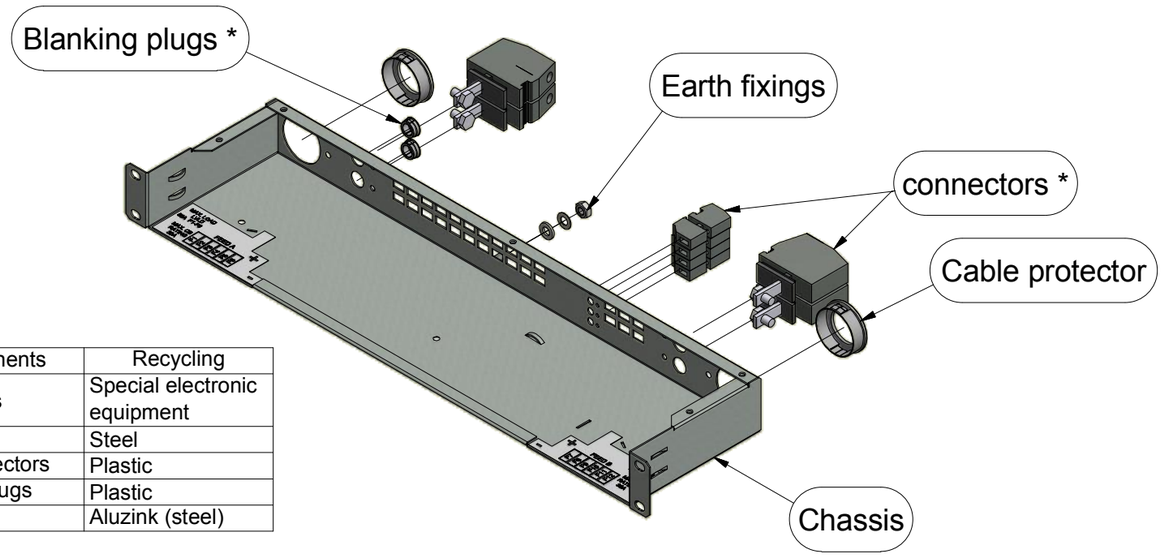
a. Remove eight busbar fixings using 2 x 7mm spanners.
b. Remove two Contactor fixings using 7mm spanner (if contactor is populated).
c. Remove eight PCBA fixing screws using PZ1 screw driver and remove mounting bracket.
d. Remove 12 Insulators from PCBAs.
e. Remove eight Pillar fixings using PZ2 screw driver and 7mm spanner.



Components	Recycling
Mounting bracket	Aluzink (Steel)
PCBA	Special electronic equipment
Contactor	Special electronic equipment
Pillar	Brass
Busbars	Copper (Nickel plated)
Insulators	Plastic
Fixings	Steel

4. Rear connectors, blanking plugs and cable protectors removal from Chassis:

a. Extract connectors from chassis by levering the rear most part of the connector away from the chassis using an 3.5mm flat bladed screw driver.
b. Extract cable protectors and blanking plugs (when fitted) from chassis.
c. Remove Earth fixings using M6 spanner.



Components	Recycling
Connectors	Special electronic equipment
fixings	Steel
Cable protectors	Plastic
Blanking plugs	Plastic
Chassis	Aluzink (steel)

02.01.2013/Fmono	Date/Sign.	Tolerances for dimensions without specified tolerances: ISO 2768-m		Material	Material thickness	ELTEK always on
		All dimensions not visible in drawing are to be extracted from 3D model file!		Material colour		© Copyright ELTEK. All Rights Reserved
		Date 04.07.2012	Design CHLAGB / Draw CHLAGB / Approved IFS	Paint colour		
				Surface treatment	Dimensions in mm / Scale - / Format A3 / Projection	
121212NB	Alteration	Disassembly RoHS/WEEE DC dist 1U 19" 12xCB(B)			Dwg.no. 2131507	Rev. 2
2	Sym.				Sheet 2 of 2	