ABB ELECTRIFICATION INSTALLATION PRODUCTS

“Carlon Non Metallic Boxes” Recycling Instructions

B620K and B125AB



PREPARED		STATUS	SECURITY LEVEL		
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ABB ELIP		PL-040 Non-Metallic Boxes	A	en	1/7

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1. Product Description

Carlon Product Line 040 Nonmetallic PVC and PC wall and ceiling outlet boxes.

- Carlon non-metallic boxes feature PVC construction for easier installation, greater performance, and lower installation cost.
- Carlon non-metallic boxes feature a rugged polycarbonate construction to withstand extreme temperatures. The PC boxes will not distort or soften in heat and they won’t become brittle in the cold.

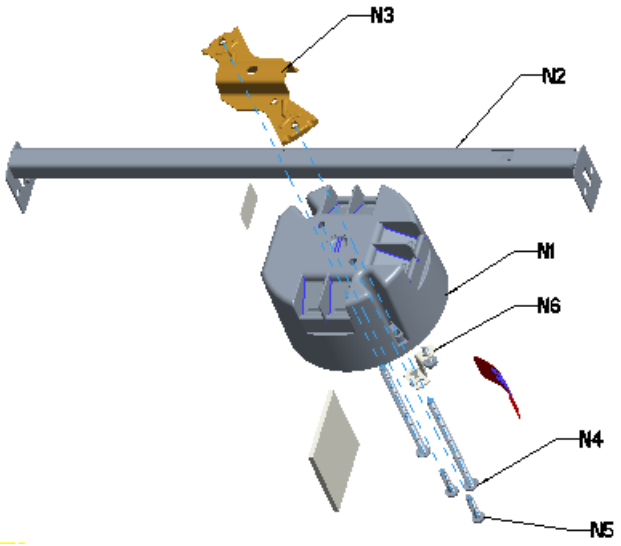
Variants

- Material Variation: Polycarbonate and PVC
- Part Variation: Nails, Hangers, Brackets
- Size Variation: Ceiling Box and Single, two, three, and 4 gang Outlet Boxes

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2. Explosion Diagram

Ceiling Box with Hanger: B620K



3. Dismantling Instructions

- Remove construction material from the product
- Remove Screws (N4, N5)
- Remove the ground lug assembly (N6)
- Separate hanger and metal bracket (N2, N3)
- Additional Variations may have nails, additional screws, rivets, and/or brackets that need to be removed

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4. Weight of main recyclable materials for PC

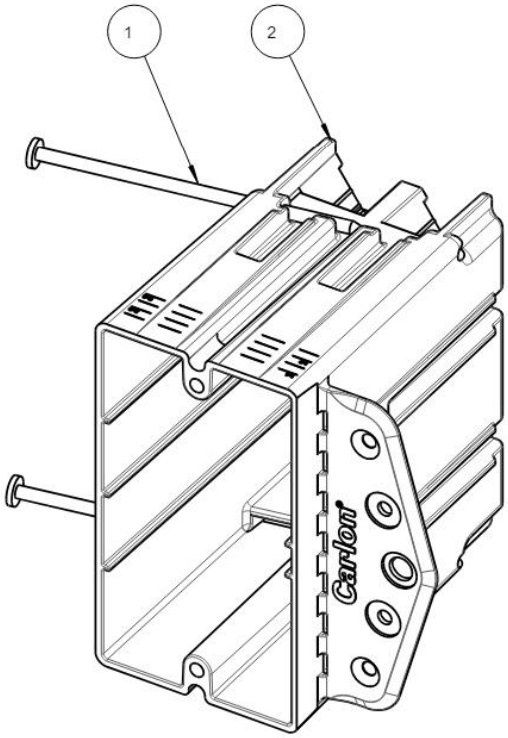
Ceiling Outlet Boxes

Part no	Material	Weight (g)	Weight %	Recyclable
1	Plastic Box – Poly-carbonate	78.65	25.24%	Yes
2	Bar Hanger	193.55	59.66%	Yes
3	Metal Bracket	22.6	6.97%	Yes
4	Stainless Steel Screw	3.92	1.21%	Yes
5	Stainless Steel Screw	3.92	1.21%	Yes
6	Ground Lug As-sembly	21.78	6.71%	Yes

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5. Explosion Diagram

Outlet Box with Nails: B125AB



6. Dismantling Instructions

- Remove construction material from the product
- Separate nails and PVC outlet box
- Additional Variations may have nails, screws, rivets and/or brackets that need to be removed

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7. Weight of main recyclable materials for a PVC Outlet Boxes

Part no	Material	Weight	Weight %	Recyclable
1	Nail	.00566	6.27%	Yes
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2	PVC	0.0789	87.46%	Yes

8. Presence of Critical Raw Materials

☐ Copper

☐ Tungsten

☐ Cobalt

☐ Nickel – battery grade

☐ Magnesium metal

☐ Platinum group metals; including iridium, palladium, platinum, rhodium and ruthenium

☐ Manganese – battery grade

☐ Natural graphite – battery grade

☐ Germanium

☐ Boron – metallurgy grade

☐ Rare earth elements for magnets; including neodymium, praseodymium, terbium, dysprosium, gadolinium, samarium and cerium

☐ Titanium metal

☐ Bismuth

☐ Gallium

☐ Lithium – battery grade

☐ Silicon metal

☒ No critical raw materials

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9. Recycling Instructions

Where allowed, the PVC, Polycarbonate, metal brackets, and fasteners can be recycled.

10. Disposal Instructions

Remove any construction material from the Outlet box before disassembling and dispose of appropriately per the appropriate guidelines.

There are no hazardous materials in PC or PVC boxes, so they are safe to dispose of.

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