

Enclosures, Screw and Hinged Cover, Metallic



1. Scope

This standard covers the requirements for screw and hinged cover, metallic enclosures.

This standard applies to the following Seattle City Light (SCL) stock numbers:

Stock No.	Cover	Size (in)
686580	Screw	6 x 6 x 4
010317	Screw	10 x 10 x 4
012093	Hinged	4 x 4 x 3
012094	Hinged	6 x 6 x 4
012095	Hinged	8 x 8 x 4

2. Application

Designed for use as electrical junction boxes, terminal wiring boxes, and instrument housings. Hinged doors provide convenient access. Boxes provide protection from dust, dirt, oil, and water.

3. Industry Standards

Metallic enclosures shall meet the applicable requirements of the latest revision of the following industry standards:

UL 50; Enclosures for Electrical Equipment, Non-Environmental Considerations

UL 50E; Enclosures for Electrical Equipment, Environmental Considerations

NEMA 250; Enclosures for Electrical Equipment

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4. Requirements

4.1 Screw Cover Enclosures

Screw cover enclosures shall have the following attributes:

- NEMA Type 1
- ANSI 61 gray polyester powder paint or acrylic electrocoat finish inside and out
- Provisions for grounding
- With or without knockouts
- Hex head plated steel cover screws
- Keyhole screw slots in the cover
- Mounting holes on back of the box

See Section 7 for dimensions and thickness (gauge) of steel.

Number and size of knockouts may vary slightly between manufacturers.

All stock numbers include knockouts except for Stock No. 010317.

Figure 4.1. Screw Cover Enclosures



Stock No. 686580



Stock No. 010317

4.2 Hinged Cover Enclosures

Hinged cover enclosures shall have the following attributes:

- NEMA Type 13
- Continuous hinge
- ANSI 61 gray polyester powder paint or acrylic electrocoat finish inside and out
- Provisions for grounding
- External screw clamps
- External wall-mounting brackets
- Oil-resistant gasket

See Section 7 for dimensions and thickness (gauge) of steel.

Figure 4.2. Hinged Cover Enclosure



5. Packaging

Enclosures shall be packaged to prevent damage during shipping, handling, and inside storage.

Each standard package shall be legibly marked with the following information:

- Manufacturer identification
- Product description
- SCL stock number
- Quantity

Each shipping container shall be legibly marked with the following information:

- SCL purchase order number

6. Issuance

Stock Unit: EA

7. Approved Manufacturers

Stock No.	Cover	Dimensions (L x W x H) (in)	Gauge	Eaton/B-Line Catalog No.	Hoffman Catalog No.
686580	Screw	6 x 6 x 4	16	664SC	ASE6X6X4
010317	Screw	10 x 10 x 4	16	10104SCNK	ASE10X10X4NK
012093	Hinged	4 x 4 x 3	16	-	A404CH
012094	Hinged	6 x 6 x 4	16	-	A606CH
012095	Hinged	8 x 8 x 4	14	-	A808CH

8. Sources

Continuous Hinge CH Junction Boxes, Hoffman Bulletin A51CH, Published 2007
Shetab, Muneer; SCL Standards Engineer, originator, and subject matter expert for 7326.15

Stock Catalog Page 73-18, October 13, 2013

Type 1 Boxes and Enclosures, Hoffman Bulletin A90P1

Type 1 Enclosures, Cooper B-Line, cooperindustries.com