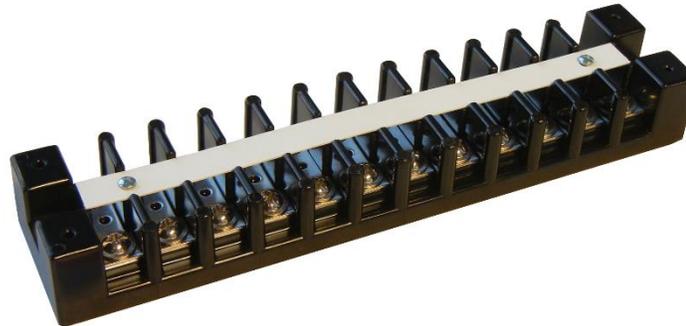


**TERMINAL BLOCKS, HEAVY DUTY**



**1. Scope**

This standard covers the requirements for heavy-duty terminal blocks.

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

Stock Number	Number of Poles
290308	8
290310	12

**2. Application**

While heavy-duty terminal blocks have many uses, they are used primarily for installations of short-circuiting bars and multiple-circuit jumpers in station control houses.

The manufacturer recommends a screw torque of 20 ft-lbs.

**3. Industry Standards**

Heavy-duty terminal blocks shall meet the applicable requirements of the latest revision of the following industry standards and international directives:

**UL Standard 1059** – Underwriters Laboratories Inc., Terminal Blocks

**ANSI/UL Standard 486A-486B** – Underwriters Laboratories Inc., Wire Connectors

**RoHS** (European Union Directive 2002/95/EC for Restriction of Hazardous Substance)

**4. Requirements**

**4.1 General**

Heavy-duty terminal blocks shall have the following electrical ratings and attributes:

Voltage rating, maximum, ac/dc volts	600
Current rating, maximum, amperes	
Unprepared wire, #10-22 AWG, copper	30
Crimp type ring, spade, or fork terminal	75

**Material**

Base	general purpose phenolic, 150° C max.
Connector	brass or nickel plated
Screw	brass or nickel plated, size 10-32

Screw style	slotted
Block style	removable connector with brass insert
Marking strip	
Material	vinyl, white
Screws	steel, zinc-plated

Heavy-duty terminal blocks shall be UL-recognized (UL 1059 Class C, User Group - General Industrial) and Canadian Standards Association. (CSA)-certified.

Heavy-duty terminal blocks shall be RoHS (European Union Directive 2002/95/EC for Restriction of Hazardous Substance) compliant.

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**MATERIAL STANDARD**

Terminal Blocks, Heavy Duty

standard number: **6771.50**

superseding: March 4, 2013

effective date: October 20, 2015

page: 2 of 2

**4.2 Dimensions**

Stock Number	Number of Poles	A, in	B, in
290308	8	6.38	5.72
290310	12	9.00	8.34

**5. Marking**

Each heavy-duty terminal block shall be permanently and legibly marked with:

- Manufacturer's name or symbol.
- Manufacturer's catalog number.
- Wire size/range.
- Maximum voltage rating.
- Maximum current rating.
- Industry certification symbol(s).

**6. Packaging**

Heavy-duty terminal blocks shall be packaged to prevent damage during shipping, handling, and inside storage.

Individual packages shall be legibly marked with:

- Manufacturer's name
- Manufacturer's catalog number
- Product description
- Quantity contained
- Seattle City Light's stock number

Standard package quantity shall be 20 units or as established by mutual agreement

**7. Issuance**

EA

**8. Approved Manufacturers**

Stock Number	Number of Poles	Marathon Special Products
290308	8	1608 DJ-SLB
290310	12	1612 DJ-SLB

**9. References**

**Shipek, John**; SCL Standards Supervisor, originator and subject matter expert for 6771.50 (john.shipek@seattle.gov)

**SCL Material Standard 2903.1** (canceled)

**SCL Material Standard 2940.1**; "Terminal Blocks, Heavy Duty" (renumbered to 6771.50 in October 2015)

[www.marathonsp.com](http://www.marathonsp.com)

**Figure 4.2. Terminal Block Dimensions**

