

Fuse, Rejection-Type, Fast-Acting, Current-Limiting, 600 V



1. Scope

This standard covers the requirements for 600 V rated, fast-acting, current-limiting, cartridge, rejection-type fuses.

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

Stock No.	Current Rating (A)
013509	3
013510	5
013511	10
013512	15
013513	20
013514	30

2. Application

Rejection-type, fast-acting fuses may be used only where proper protection is already being provided by a branch circuit device.

Rejection-type fuses:

- Are used to provide supplementary protection on branch circuits so that the branch circuit fuse is not disturbed in downstream, overcurrent situations.
- May be used only where the available ac short-circuit current does not exceed 200,000 A. This value is less for dc circuits.
- Are appropriate for lighting, control, and meter circuits. Fast-acting fuses are not appropriate for protecting motors or motor circuits.
- Are compatible with both standard and rejection-type holders.

When installed in a rejection-type fuse holder, rejection-type fuses prevent the replacement of fuses rated lower than 600 V.

3. Industry Standards

Fast-acting fuses shall meet the applicable requirements of the following industry standard and its amendment:

UL Standard 248-4 - Underwriters Laboratories Inc., Low Voltage Fuses - Part 4: Class CC Fuses, August 1, 2000

4. Attributes

Fast-acting fuses shall have the following attributes:

UL type:	248-4
Interrupting rating (IR):	
600 Vac	200,000 A
600 Vdc	100,000 A
Diameter:	13/32 in
Length:	1-1/2 in
Terminal style:	ferrule
Rejection feature:	yes

5. Tests and Test Reports

Data that establishes compliance with the requirements of UL 248-4 and this material standard shall be provided upon request.

6. Marking

Rejection-type, fast-acting fuses shall be permanently marked with:

- Manufacturer's name or symbol
 - Manufacturer's catalog number
 - Voltage rating
 - Ampere rating
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7. Packaging

Rejection-type, fast-acting fuses shall be packaged to prevent damage during shipping, handling, and inside storage.

Each shipping container shall be marked with the Seattle City Light purchase order number.

8. Issuance

EA

9. Approved Manufacturers

Stock No.	Current Rating (A)	Catalog Numbers		
		Bussmann	Mersen	Littelfuse
013509	3	KTK-R-3	ATMR3	KLKR-3
013510	5	KTK-R-5	ATMR5	KLKR-5
013511	10	KTK-R-10	ATMR10	KLKR-10
013512	15	KTK-R-15	ATMR15	KLKR-15
013513	20	KTK-R-20	ATMR20	KLKR-20
013514	30	KTK-R-30	ATMR30	KLKR-30

10. Sources

ATMR – Class CC Datasheet; Ferraz Shawmut

Chao, Yaochiem; SCL Standards Engineer, subject matter expert and originator of 6855.55

Datasheet 1015; KTK-R; Cooper Bussmann; July 2013

KLDR – Class CC Fuses; Littelfuse; June 2011

SCL Material Standard 6855.50; “Fuse, Fast-Acting, Current-Limiting, 600-Volt”

SCL Material Standard 6857.07, “Fuse Holders, Rejection-Type, In-Line, Non-Breakaway, Waterproof”

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