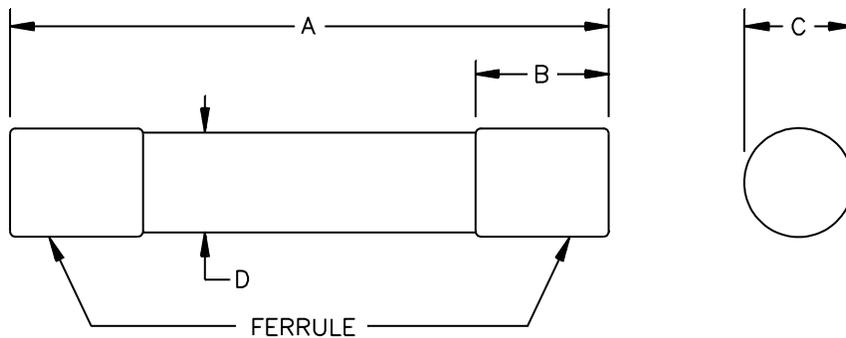


FEDERAL SPECIFICATION SHEET

FUSE, CARTRIDGE, HIGH INTERRUPTING CAPACITY, CLASS G  
(CURRENT-LIMITING) 480 VOLTS, 31-60 AMPERES

The General Services Administration has authorized the use  
of this federal specification sheet by all federal agencies.

The complete requirements for procuring the fuses described herein shall  
consist of this document and the latest issue in effect of [W-F-1814](#).



Letter	Dimensions				
	Inches		Millimeters		
	Min.	Max.	Min.	Max.	
A	$2.25 \pm .03$	2.22	2.28	56.39	57.91
B	.500 min.	.500	---	12.70	---
C	$.406 \pm .006$	.400	.412	10.16	10.46
D	.375 max.	---	.375	---	9.53

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Minimum acceptable thickness of ferrule side wall .029 (.74 mm).

FIGURE 1. Configuration and dimensions.



REQUIREMENTS:

Interface and physical dimensions: See [figure 1](#).

Physical: Nonrenewable.

Terminals: Ferrule type.

Material: Brass, copper, or copper alloy.

Strength: 5 pound-inches torque between body and ferrules.

Body:

Insulating material: Fiber, ceramic, melamine-impregnated glass fiber, or other suitable material.

Electrical:

Voltage: 480 volts or less.

Frequency: 48 Hz to 60 Hz.

Current: See [table I](#).

Current carrying capacity: 100 percent indefinitely with temperature rise not to exceed 75°C above ambient on the ferrules.

Overload interrupt:

Time delay: Shall interrupt within 1 hour at 135 percent of rated current and at 200 percent of rated current shall interrupt in not less than 12 seconds nor more than 6 minutes.

Watts loss: Average not to exceed 7.0 watts.

Interrupting capacity rating: 100,000 amperes rms symmetrical at 480 volts, 60 Hz, and power factor of 20 percent or less.

Threshold ratio: 60 maximum.

Peak let-thru current: 10,500 amperes maximum.

Maximum clearing:  $I^2T - 25 \times 10^3$  ampere<sup>2</sup> seconds.

Applicable fuseholders: Class G in accordance with [UL 4248-5](#).

Part or Identifying Number (PIN): See [table I](#).

W-F-1814/4D

TABLE I. Electrical characteristics.

Government PIN	Current rating (amps)
WF1814/04-001	35
WF1814/04-002	40
WF1814/04-003	45
WF1814/04-004	50
WF1814/04-005	60

Referenced documents. In addition to [W-F-1814](#), this document references the following:

[UL 4248-5](#)

The margins of this specification sheet are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

MILITARY INTERESTS:

| Custodians:

- Army - CR
- Navy - YD
- Air Force - 85
- DLA - CC

| Review activities:

- Army - AT, CR4
- Navy - OS
- NSA - NS

CIVIL AGENCY COORDINATING ACTIVITIES:

GSA - FAS

Preparing activity:

DLA - CC

(Project 5920-2015-019)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.