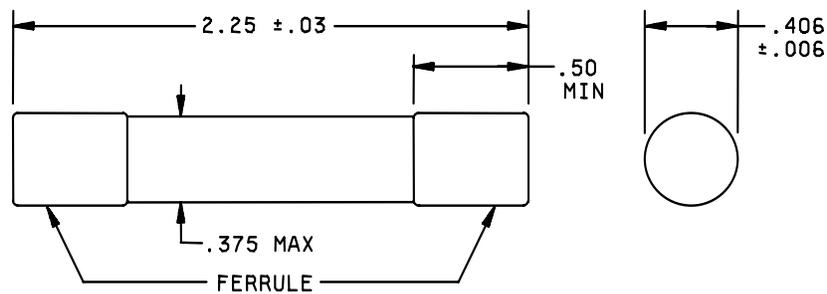


FEDERAL SPECIFICATION SHEET

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.



Inches	mm
.006	.15
.03	.76
.375	9.53
.406	10.31
.50	12.70
2.25	57.15

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).
4. Unless otherwise specified, tolerances are ±0.02 (0.51 mm) for two-place decimals and ±0.005 (0.13 mm) for three-place decimals.

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 to 60 hertz.

Current: See table I.

Current carrying capacity: 110 percent indefinitely with temperature rise not to exceed 50°C above ambient on the body and 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 4 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: 30 maximum.

Peak let-thru current: 10,000 amperes maximum.

Maximum clearing: $I^2T - 25 \times 10^3$ ampere² seconds.

Applicable fuseholders: Class G in accordance with UL 512.

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

W-F-1814/4B

TABLE 1. 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

MILITARY INTERESTS:

Custodians:

Army - CR
Navy - YD
Air Force - 11
DLA - CC

Review Activities:

Army - AT, CR4
Navy - OS
NSA - NS

CIVIL AGENCY COORDINATING ACTIVITIES:

GSA - FSS
NASA - NA

Preparing activity:
DLA - CC

(Project 5920-0841)

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 www.dodssp.daps.mil.