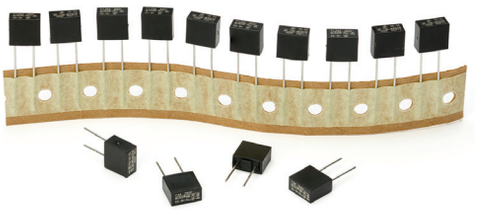
SS-5FH

Subminiature fast-acting fuses



Applications

- Primary circuit protection for lighting ballasts
- LED Lighting primary protection
- High short-circuit current devices

Agency information

- cULus, File E19180, Guide JDYX/JDYX7

Ordering

- Specify product and packaging code (i.e., SS-5FH-3.15A-AP)

Product features:

- Halogen free, lead free, RoHS compliant
- Fast-acting, high breaking capacity subminiature fuse
- Plastic cap and base, flammability UL 94V0
- Lead wire with tin-plated copper, diameter 0.6 mm
- Protects against harmful overcurrents in primary and secondary applications
- Small radial-leaded design minmizes board space and eliminates need for additional mounting components
  Designed to UL 248-14

Electrical characteristics

Amps	$1.0I_n$	$1.5I_n$	$2.0I_n$
3.15 A	4 hours, min	10 minutes, max	2 minutes, max

Specifications

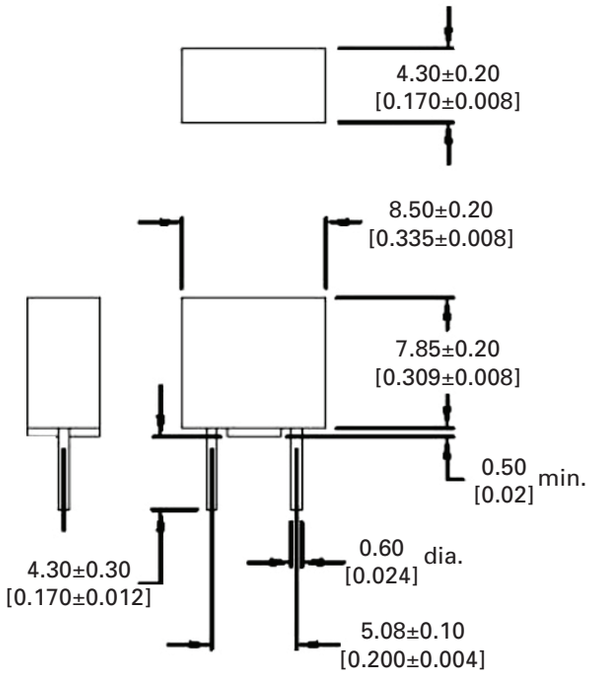
Part number	Voltage rating AC	Voltage rating DC	Interrupting rating (amps) @ rated voltage (50 Hz) AC[1]	Interrupting rating (amps) @ rated voltage DC	Typical DC cold resistance (mΩ)[2]	Typical pre-arcing I^2t (A^2s)[3]	Typical voltage drop @ $1I_n$ (mV)[4]	Max power dissipation @ $1I_n$ (mW)[5]	Agency information cULus
SS-5FH-3.15A	350	150	100	100	31.5	22.5	168	675	X

1. Interrupting ratings: measured at 100 A, 95% to 100% PF on AC.
2. Typical DC cold resistance (measured at <10% of rated current).
3. The typical I^2t value is measured at 10 times of I_n.
4. Typical voltage drop @ $1I_n$ (measured at +20 °C ambient temperature at rated current).
5. Maximum power dissipation (measured at +20 °C ambient temperature at rated current).

Packaging Codes

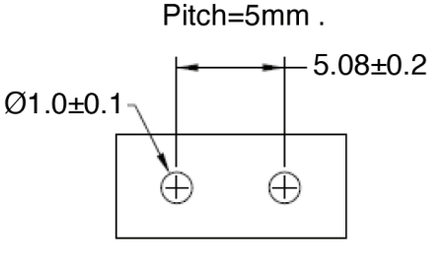
-BK	200 fuses in a polybag, lead length L = 4.3±0.3.
-AP	Ammo Pack, 1000 fuses, pitch = 12.7

Dimensions - mm [in]

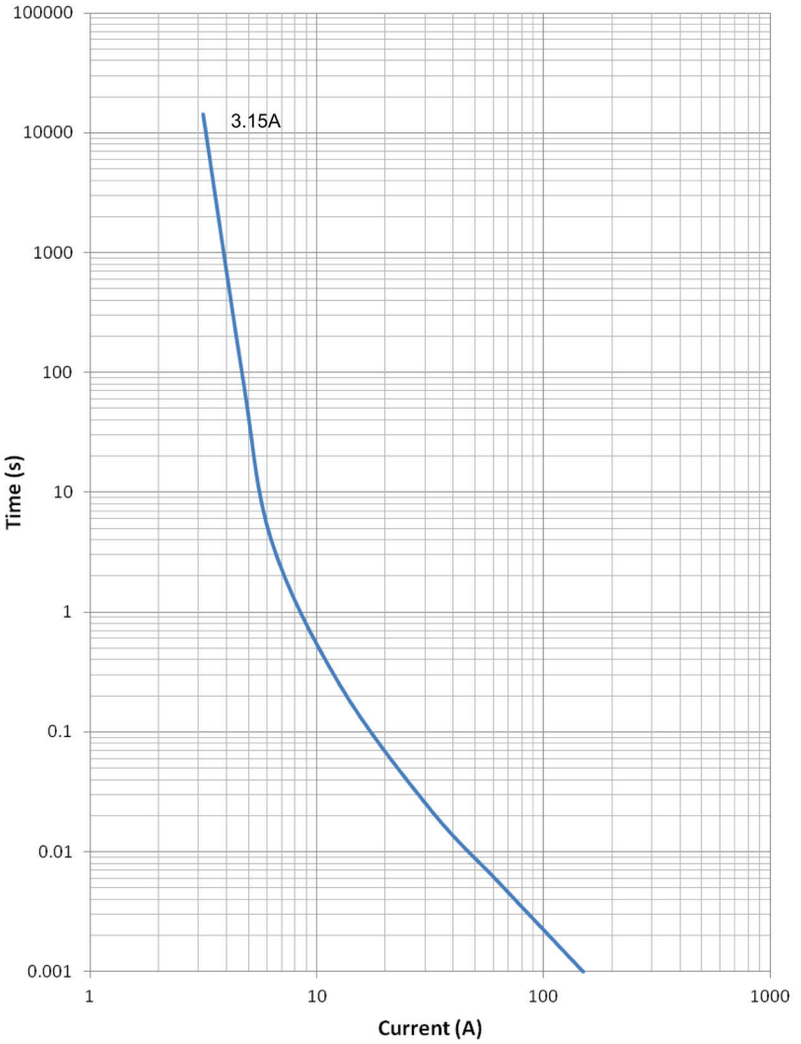


BK Pack

Recomended pad layout



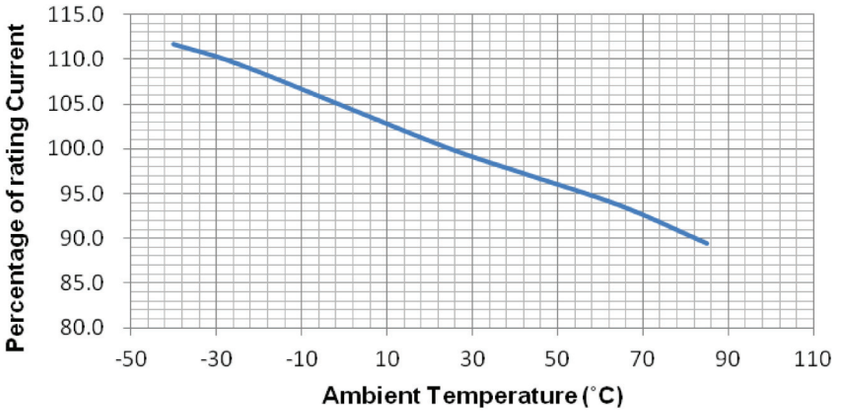
Time-current curves



Temperature derating curve

- Normal operating temperature: +25 °C ± 2 °C
- Operating temperature range: -40 °C to +85 °C with proper correction factor applied

Correction factor chart

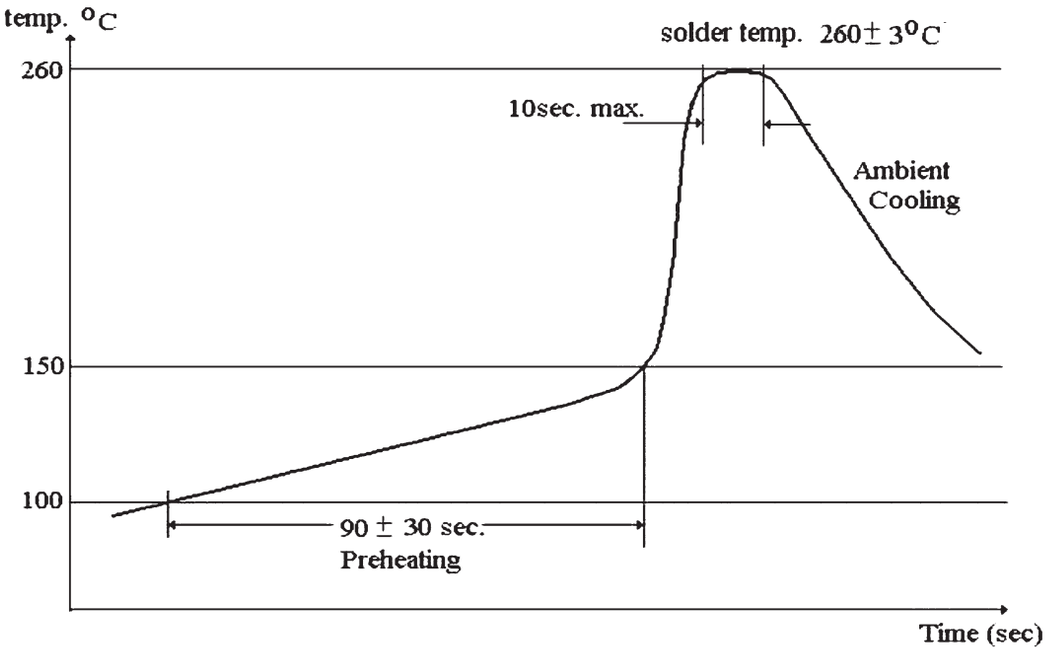


Soldering

Wave solder

Reservoir temperature: 260°C, Max.10Sec.

Recommended Profile



Manual solder

350 °C, 4-5Sec. (by soldering iron), generally manual, hand soldering is not recommended.

Eaton
Electronics Division
1000 Eaton Boulevard
Cleveland, OH 44122
United States
www.eaton.com/electronics

Printed in USA
Publication No. 10274 BU-SB14519
June 2017

Powering Business Worldwide