

阅读申明

- 1.本站收集的数据手册和产品资料都来自互联网，版权归原作者所有。如读者和版权方有任何异议请及时告之，我们将妥善解决。
- 2.本站提供的中文数据手册是英文数据手册的中文翻译，其目的是协助用户阅读，该译文无法自动跟随原稿更新，同时也可能存在翻译上的不当。建议读者以英文原稿为参考以便获得更精准的信息。
- 3.本站提供的产品资料，来自厂商的技术支持或者使用者的心得体会等，其内容可能存在描述上的差异，建议读者做出适当判断。
- 4.如需与我们联系，请发邮件到marketing@iczoom.com，主题请标有“数据手册”字样。

Read Statement

1. The datasheets and other product information on the site are all from network reference or other public materials, and the copyright belongs to the original author and original published source. If readers and copyright owners have any objections, please contact us and we will deal with it in a timely manner.
2. The Chinese datasheets provided on the website is a Chinese translation of the English datasheets. Its purpose is for reader's learning exchange only and do not involve commercial purposes. The translation cannot be automatically updated with the original manuscript, and there may also be improper translations. Readers are advised to use the English manuscript as a reference for more accurate information.
3. All product information provided on the website refer to solutions from manufacturers' technical support or users the contents may have differences in description, and readers are advised to take the original article as the standard.
4. If you have any questions, please contact us at marketing@iczoom.com and mark the subject with "Datasheets" .

DFJ Class J high speed fuses



Agency information

- UL® Listed Standard 248-8, Class J, Guide JDDZ, File E4273
- CSA® Certified, C22.2 No. 248.8, Class 1422-02, File 53787
- RoHS compliant
- CE

Features:

- Easily coordinated with existing and new variable speed drives and electric controllers.
- Standard Class J dimensions allow using readily available fuse blocks, holders and switches.
- Has the lowest let-through energy of any branch circuit overcurrent protective device.

Catalog symbol:

- DFJ-

Description:

The Bussmann™ series DFJ drive fuse is a high speed, current-limiting fuse that provides maximum protection for AC and DC drives and controllers and meet NEC® branch circuit protection requirements. The drive fuse has the lowest I²t of any branch circuit fuse to protect power semiconductor devices that utilize diodes, GTOs, SCRs and SSRs.

Specifications:

Ratings

- Volts
 - 600Vac (or less)
 - 450Vdc (or less, 15-600A)
- Amps 1-600A
- IR
 - 200kA RMS Sym.
 - 100kA DC

Typical applications

- Protection of AC and DC drives
- Equipment using power semiconductor devices

Catalog numbers (amps):

| | | | |
|--------|----------|---------|---------|
| DFJ-1 | DFJ-15 | DFJ-60 | DFJ-200 |
| DFJ-2 | DFJ-17.5 | DFJ-70 | DFJ-225 |
| DFJ-3 | DFJ-20 | DFJ-80 | DFJ-250 |
| DFJ-4 | DFJ-25 | DFJ-90 | DFJ-300 |
| DFJ-5 | DFJ-30 | DFJ-100 | DFJ-350 |
| DFJ-6 | DFJ-35 | DFJ-110 | DFJ-400 |
| DFJ-8 | DFJ-40 | DFJ-125 | DFJ-450 |
| DFJ-10 | DFJ-45 | DFJ-150 | DFJ-500 |
| DFJ-12 | DFJ-50 | DFJ-175 | DFJ-600 |

Carton quantity:

| Amp rating | Carton qty. |
|------------|-------------|
| 1-60 | 10 |
| 70-200 | 5 |
| 225-600 | 1 |

Electrical characteristics:

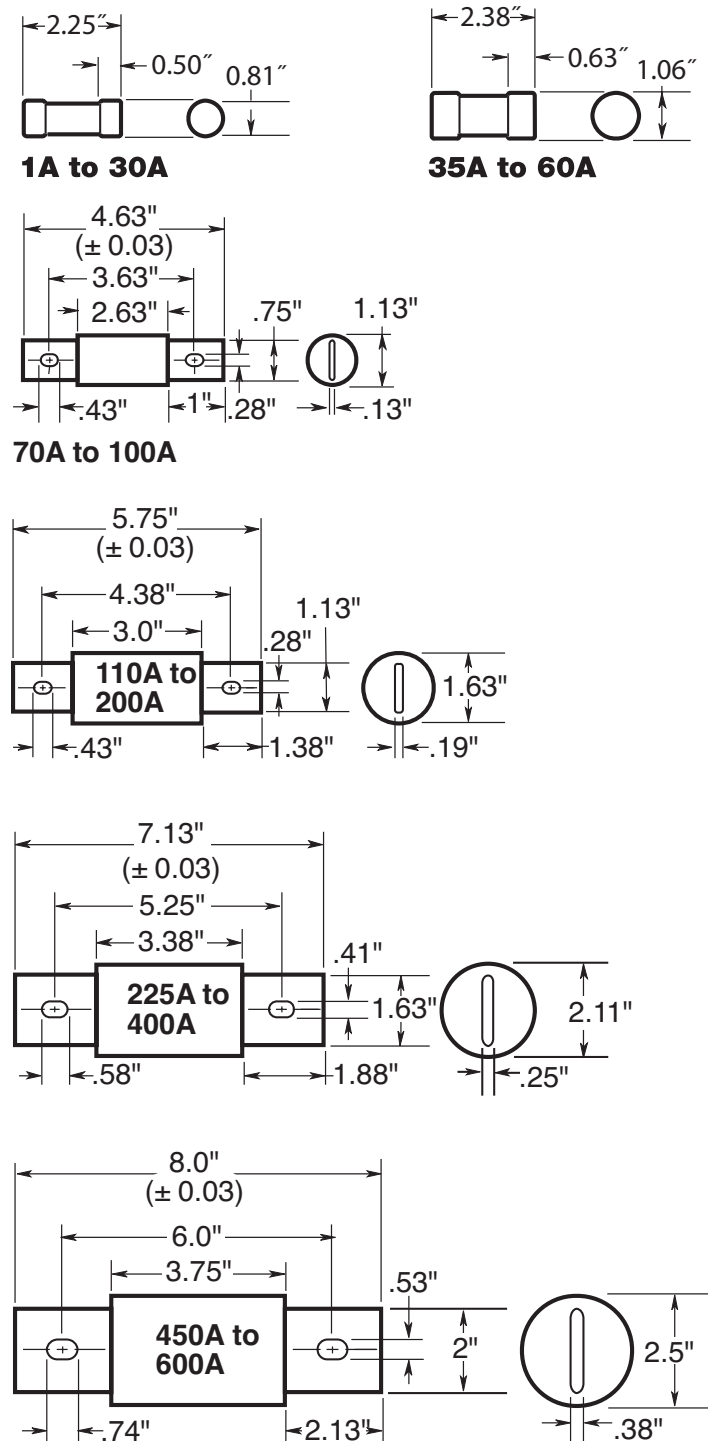
| Catalog number | Amps | I ² t (A ² Sec) @ 600Vac/100kA | | Watts loss |
|----------------|------|--|----------|------------|
| | | Pre-arc | Clearing | |
| DFJ-15 | 15 | 4 | 110 | 4.1 |
| DFJ-20 | 20 | 8 | 365 | 4.0 |
| DFJ-25 | 25 | 12 | 610 | 4.9 |
| DFJ-30 | 30 | 20 | 1000 | 5.5 |
| DFJ-35 | 35 | 55 | 1100 | 6.8 |
| DFJ-40 | 40 | 90 | 1900 | 8.6 |
| DFJ-50 | 50 | 140 | 2800 | 8.7 |
| DFJ-60 | 60 | 290 | 6000 | 8.5 |
| DFJ-70 | 70 | 450 | 3100 | 12 |
| DFJ-80 | 80 | 650 | 4600 | 13 |
| DFJ-90 | 90 | 1010 | 7200 | 13 |
| DFJ-100 | 100 | 1460 | 10,500 | 13 |
| DFJ-110 | 110 | 1710 | 9500 | 17 |
| DFJ-125 | 125 | 3580 | 20,000 | 15 |
| DFJ-150 | 150 | 5080 | 28,000 | 19 |
| DFJ-175 | 175 | 6310 | 35,000 | 23 |
| DFJ-200 | 200 | 9850 | 54,500 | 24 |
| DFJ-225 | 225 | 11,420 | 51,000 | 29 |
| DFJ-250 | 250 | 17,000 | 74,500 | 30 |
| DFJ-300 | 300 | 23,500 | 103,000 | 36 |
| DFJ-350 | 350 | 38,800 | 170,000 | 39 |
| DFJ-400 | 400 | 62,200 | 272,000 | 40 |
| DFJ-450 | 450 | 44,600 | 270,000 | 56 |
| DFJ-500 | 500 | 79,500 | 480,000 | 52 |
| DFJ-600 | 600 | 138,000 | 830,000 | 57 |

Recommended fuse blocks and holders:

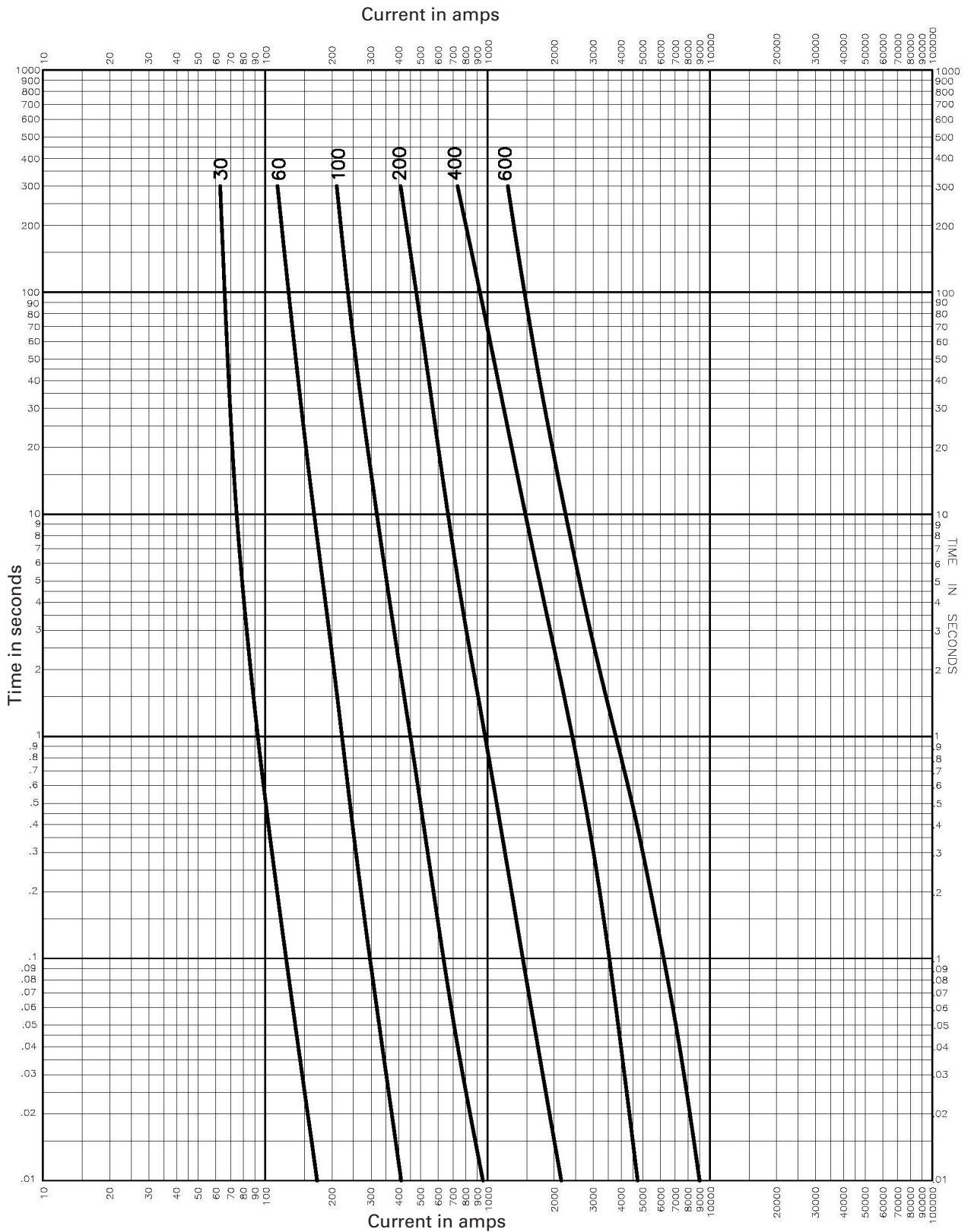
| Fuse amps | 1-Pole | 2-Pole | 3-Pole |
|---|----------------|----------------|----------------|
| "Pyramid" blocks (data sheet No. 1108) | | | |
| up to 30 | — | — | JP60030-3_ |
| CH holders (data sheet No. 2144) | | | |
| up to 30 | CH30J1_ | CH30J2_ | CH30J3_ |
| 35-60 | CH60J1_ | CH60J2_ | CH60J3_ |
| Safety J™ holders (data sheet No. 1152) | | | |
| up to 30 | JT60030_ | — | — |
| 35-60 | JT60060_ | — | — |
| JM modular fuse blocks (data sheet No. 3192 and 10289) | | | |
| up to 30 | JM60030-1_ | JM60030-2_ | JM60030-2_ |
| 35-60 | JM60060-1CR | JM60060-2CR | JM60060-3CR |
| 70-100 | JM60100-1CR | JM60100-2CR | JM60100-3CR |
| 110-200 | JM60200-1CR | JM60200-2CR | JM60200-3CR |
| 225-400 | JM60400-1CR | JM60400-2CR | JM60400-3CR |
| 450-600 | JM60600-1CR | JM60600-2CR | JM60100-3CR |
| JM power distribution fuse blocks (data sheet No. 10192) | | | |
| up to 30 | JM60030-1MW_ | JM60030-2MW_ | JM60030-3MW_ |
| 35-60 | JM60060-1MW_ | JM60060-2MW_ | JM60060-3MW_ |
| 70-100 | JM60100-1MW14 | JM60100-2MW14 | JM60100-3MW14 |
| 110-200 | JM60200-1MW16 | JM60200-2MW16 | JM60200-3MW16 |
| 225-400 | JM60400-1MW16 | JM60400-2MW16 | JM60400-3MW16 |
| | JM60400-1MW26* | JM60400-2MW26* | JM60400-3MW26* |

* Lineside dual box lug terminal.

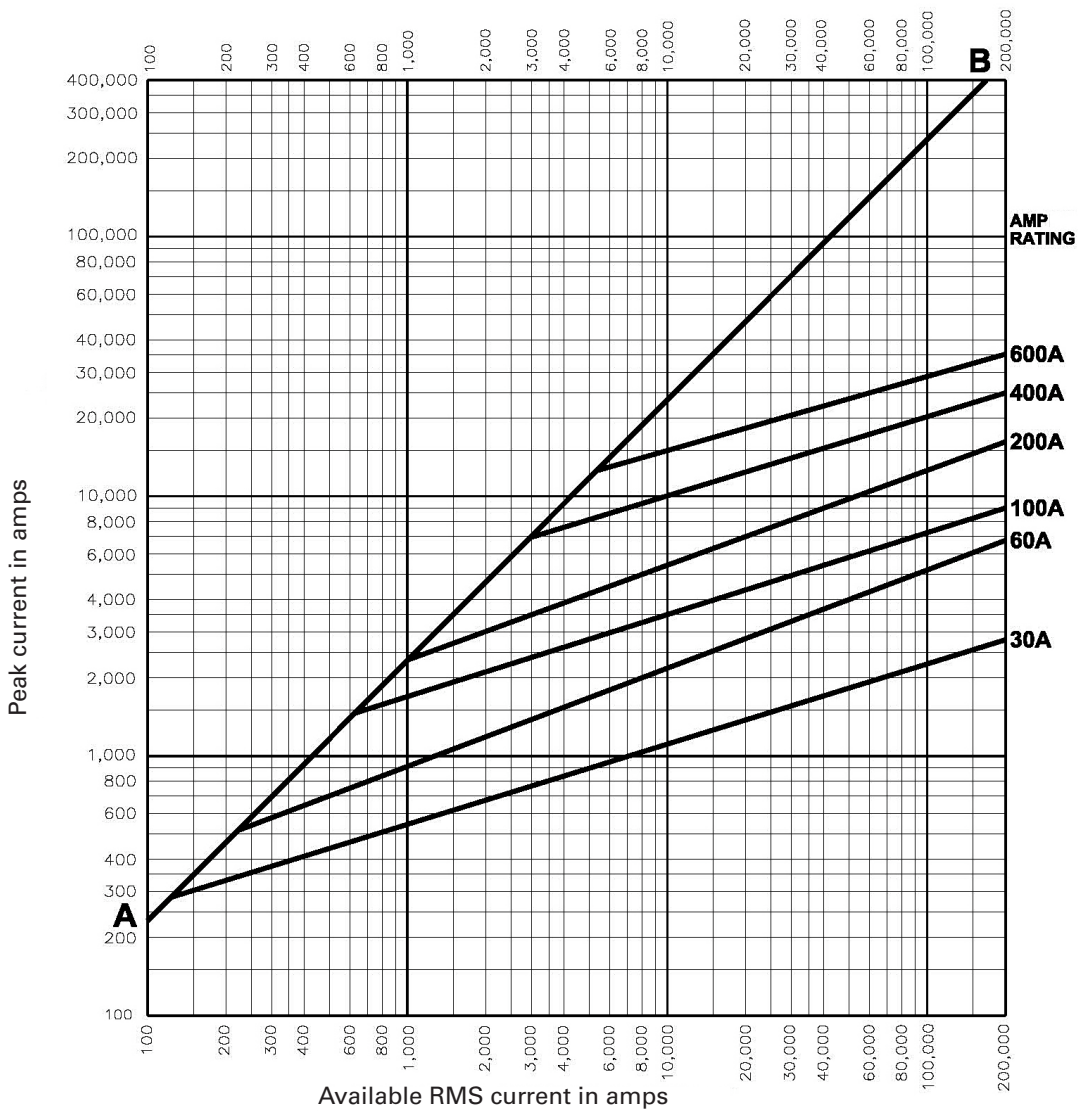
Dimensions - in:



Time-current curves — average melt



Current-limitation curves



The only controlled copy of this data sheet is the electronic read-only version located on the Eaton network drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Eaton reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Eaton also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

Bussmann Division
114 Old State Road
Ellisville, MO 63021
United States
Eaton.com/bussmannseries

© 2016 Eaton
All Rights Reserved
Printed in USA
Publication No. 1048 – BU-SB131065
August 2016

Eaton, Bussmann and Low-Peak are valuable trademarks of Eaton in the US and other countries. You are not permitted to use the Eaton trademarks without prior written consent of Eaton.

CSA is a registered trademark of the Canadian Standards Group.
NEC is a registered trademark of the National Fire Protection Association, Inc.
UL is a registered trademark of the Underwriters Laboratories, Inc.

For Eaton's Bussmann series product information, call 1-855-287-7626 or visit: Eaton.com/bussmannseries