Bussmann series
NH Battery storage fuse links

Product description
Eaton’s Bussmann® series NH battery storage fuses are specifically designed to protect and isolate battery array combiners and disconnects. These fuse links are capable of interrupting low overcurrents associated with faulted battery storage systems (reverse current, multi-array fault).

Standard features
- Compact design
- Low power loss
- Global accreditations
- Dual indicator feature
- Variation of fixing options
- Compatible with Bussmann series NH bases (see data sheet 720136)
**Catalogue symbol**
- Knife blade fuse link: BSF-(amps)G-NH(NH body size)10
- Bolted blade fuse link: BSF-(amps)G-NH(NH body size)10-B

For example, catalogue number **BSF-200G-NH110** represents a **Battery Storage Fuse**, rated at **200 A**, **G** operating class gBat, **NH** fuse type, **NH** fuse body size **1**, rated at **1000 V d.c.**, Knife blade

**Technical data**
- Rated voltage: 1000 V d.c.
- Rated current: 63 to 400 A
- Fuse body size: 1, 2 or 3
- Operating class: gBat proposed for full range fuse links for protection of battery storage systems
- Breaking capacity: 100 kA
- Time constant: 4.5 ms at 100 kA
- ROHS and Reach compliant

**Standards/Approvals**
- IEC 60269-7 for battery storage fuse links is under preparation (expected publication in 2020)

**Technical data**

<table>
<thead>
<tr>
<th>Catalogue number with knife blade</th>
<th>Catalogue number with bolted blade</th>
<th>Fuse body size</th>
<th>Rated current (Amps)</th>
<th>Rated voltage (V d.c.)</th>
<th>Pre-arcing I^2t</th>
<th>Total Pt @ 1000 V d.c.</th>
<th>Power loss at 0.7 x I_n (W)</th>
<th>Power loss at I_n (W)</th>
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</thead>
<tbody>
<tr>
<td>BSF-063G-NH110</td>
<td>BSF-063G-NH110-B</td>
<td>1</td>
<td>63</td>
<td>1000</td>
<td>470</td>
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<td>80</td>
<td>1000</td>
<td>640</td>
<td>5760</td>
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<td>1300</td>
<td>11,700</td>
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<td>1000</td>
<td>5200</td>
<td>46,800</td>
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<td>160</td>
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<td>550,000</td>
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</table>

**Microswitches (ordered separately, only for use with bladed version)**
- 170H0236
- 170H0238

**Fuse holders (ordered separately, only for use with bladed version)**
- SD1-D-PV
- SD2-D-PV
- SD3-D-PV

**Packaging**
- 3 in a pack
Bussmann series
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Dimensions mm - NH1 Bladed fuse links

Dimensions mm - NH2 Bladed fuse links
Bussmann series
NH Battery storage fuse links

Dimensions mm - NH3 Bladed fuse links

Dimensions mm - NH1 Bolted fuse links
Bussmann series
NH Battery storage fuse links

Dimensions mm - NH2 Bolted fuse links

Dimensions mm - NH3 Bolted fuse links
Bussmann series
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Time-current curve - NH1 fuse links

Time-current curve - NH2 fuse links
Technical Data 135001
Effective June 2020

Bussmann series
NH Battery storage fuse links

Time-current curve - NH3 fuse links

Temperature derating curve

(The ambient temperature is that local to the fuse link)
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