Stud-mounted fuses

Catalog symbol: ACK-_

Description:
Bussmann® series stud-mounted fuse.

Specifications:

Ratings
- Volts - 130 Vdc (or less)
  - 130 Vdc - (10-100 A)
  - 72 Vdc - (120-200 A)
  - 48 Vdc - (225-300 A)
  - 80 Vdc - (400 A)
- Amps - 10-400 A
- Interrupting rating - 10 kA

Agency information
- UL® Recognized 15-300A, Guide JFHR2, File E56412

Features:
- These fuses avoid needless openings from starting currents or surges
- A fuse link which operates only on very high overloads or short-circuits
- Thermal cutout functions on low overloads – the thermal cutout cannot operate quickly at any load, hence long timelag is obtained on high overloads of short duration
- This long time-lag also makes it unnecessary to use extra large size or over-size fuses

Catalog numbers (amps)
- ACK-10
- ACK-40
- ACK-100
- ACK-200
- ACK-15
- ACK-50
- ACK-120
- ACK-225
- ACK-20
- ACK-60
- ACK-140
- ACK-250
- ACK-25
- ACK-70
- ACK-150
- ACK-300
- ACK-30
- ACK-75
- ACK-160
- ACK-400
- ACK-35
- ACK-80
- ACK-175

Test specifications

<table>
<thead>
<tr>
<th>Fuse</th>
<th>Load</th>
<th>Opening time</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACK</td>
<td>200%</td>
<td>100 Seconds*</td>
</tr>
<tr>
<td>ACK</td>
<td>300%</td>
<td>35 Seconds*</td>
</tr>
<tr>
<td>ACK</td>
<td>500%</td>
<td>13 Seconds*</td>
</tr>
</tbody>
</table>

*Approximately.

Recommended fuse blocks:

<table>
<thead>
<tr>
<th>Catalog number</th>
<th>Block number</th>
<th>Catalog number</th>
<th>Block number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACK 10-30</td>
<td>4228</td>
<td>ACK 120-200</td>
<td>3569</td>
</tr>
<tr>
<td>ACK 35-60</td>
<td>3411</td>
<td>ACK 225-400</td>
<td>3578</td>
</tr>
<tr>
<td>ACK 70-100</td>
<td>2322</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dimensions - in (mm):

<table>
<thead>
<tr>
<th>Catalog number</th>
<th>Dimensions in inches and (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACK 10-30</td>
<td>A: 2.5&quot; (63.5)</td>
</tr>
<tr>
<td>ACK 35-60</td>
<td>A: 3.0&quot; (76.20)</td>
</tr>
<tr>
<td>ACK 70-100</td>
<td>A: 3.5&quot; (88.90)</td>
</tr>
<tr>
<td>ACK 120-200</td>
<td>A: 3.750&quot; (95.25)</td>
</tr>
<tr>
<td>ACK 225-400</td>
<td>A: 3.750&quot; (95.25)</td>
</tr>
</tbody>
</table>

Note: 10-60 amp fuses use brass terminals and ferrules. 70-400 amp fuses use copper terminals and ferrules.
Catalog symbol

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
</tr>
</thead>
</table>
| ACK 10-30 | 2.5" | 0.375" | 0.500" | 0.250" | 0.557" | 0.588" | 0.031"
|     | (63.5) | (9.53) | (12.70) | (6.35) | (14.15) | (14.94) | (0.79) |
| ACK 35-60 | 3.0" | 0.470" | 0.685" | 0.344" | 0.812" | 0.860" | 0.051"
|     | (76.20) | (11.94) | (17.40) | (8.74) | (20.63) | (21.84) | (1.30) |
| ACK 70-100 | 3.5" | 0.547" | 0.750" | 0.312" | 1.062" | 1.125" | 0.050"
|     | (88.90) | (13.89) | (19.05) | (7.92) | (26.98) | (28.58) | (1.27) |
| ACK 120-200 | 3.750" | 0.750" | 0.750" | 0.375" | 1.062" | 1.15" | 0.050"
|     | (95.25) | (19.05) | (19.05) | (9.52) | (26.98) | (29.21) | (1.27) |
| ACK 225-400 | 3.750" | 0.610" | 0.750" | 0.312" | 1.062" | 1.125" | 0.050"
|     | (95.25) | (15.49) | (19.05) | (7.92) | (1.062) | (29.58) | (1.27) |

Note: 10-60 amp fuses use brass terminals and ferrules. 70-400 amp fuses use copper terminals and ferrules.

**Time-current curves – average melt**