

# Stud-Mounted Fuses

# ACK



**Catalog Symbol:** ACK

**Ampere Rating:** 10 to 400 Amperes

**Voltage Rating:** 130 Volts DC or less  
 (10-100): 130 Vdc, (120-200): 72 Vdc,  
 (225-300): 48 Vdc

**Agency Approvals:**

U.L. Recognized (15-300A), Guide JFHR2, File E56412

**Electrical Ratings (Catalog Symbol, Amperes and Voltage)**

|        |      |        |      |         |      |         |     |
|--------|------|--------|------|---------|------|---------|-----|
| ACK-10 | 130V | ACK-40 | 130V | ACK-100 | 130V | ACK-200 | 72V |
| ACK-15 | 130V | ACK-50 | 130V | ACK-120 | 72V  | ACK-225 | 80V |
| ACK-20 | 130V | ACK-60 | 130V | ACK-140 | 72V  | ACK-250 | 80V |
| ACK-25 | 130V | ACK-70 | 130V | ACK-150 | 72V  | ACK-300 | 80V |
| ACK-30 | 130V | ACK-75 | 130V | ACK-160 | 72V  | ACK-400 | 80V |
| ACK-35 | 130V | ACK-80 | 130V | ACK-175 | 72V  | —       | —   |

**Test Specifications**

| Fuse | Load | Opening Time |
|------|------|--------------|
| ACK  | 200% | 100 Seconds* |
|      | 300% | 35 Seconds*  |
|      | 500% | 13 Seconds*  |

\*Approximately.

**General Information:**

- 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 time-lag 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.

**Fuseblocks**

| Catalog Number | Block Number | Catalog Number | Block Number |
|----------------|--------------|----------------|--------------|
| ACK 10-30      | 4228         | ACK 120-200    | 3569         |
| ACK 35-60      | 3411         | ACK 225-400    | 3578         |
| ACK 70-100     | 2322         |                |              |

CE logo denotes compliance with European Union Low Voltage Directive (50-1000 Vac, 75-1500 Vdc). Refer to BIF document #8002 or contact Bussmann Application Engineering at 314-527-1270 for more information.

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**Dimensional Data**

All other tolerances  $(\pm 0.005)$  mm  
 $(\pm 0.13)$  inches



| Catalog Symbol | Dimensions in Inches and (mm) |               |               |              |                |                |              |
|----------------|-------------------------------|---------------|---------------|--------------|----------------|----------------|--------------|
|                | A                             | B             | C             | D            | E              | F              | G            |
| ACK 10-30      | 2.5" (63.5)                   | .375" (9.53)  | .500" (12.70) | .250" (6.35) | .557" (14.15)  | .588" (14.94)  | .031" (0.79) |
| ACK 35-60      | 3.0" (76.20)                  | .470" (11.94) | .685" (17.40) | .344" (8.74) | .812" (20.63)  | .860" (21.84)  | .051" (1.30) |
| ACK 70-100     | 3.5" (88.90)                  | .547" (13.89) | .750" (19.05) | .312" (7.92) | 1.062" (26.98) | 1.125" (28.58) | .050" (1.27) |
| ACK 120-200    | 3.750" (95.25)                | .750" (19.05) | .750" (19.05) | .375" (9.52) | 1.062" (26.98) | 1.15" (29.21)  | .050" (1.27) |
| ACK 225-400    | 3.750" (95.25)                | .610" (15.49) | .750" (19.05) | .312" (7.92) | 1.062" (26.98) | 1.125" (28.58) | .050" (1.27) |

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

**Time-Current Characteristics-Total Clear**

