# **Waterproof In-Line Fuseholder**

HFB

For 1/4" × 11/4" Fuses 32 Volts AC, 30 Amps



Catalog Symbol: HFB Fuseholder Ampere Rating: 30 Amperes Voltage Rating: 32 Volts AC

For use with  $\frac{1}{4}$ " × 1 $\frac{1}{4}$ " fuses (6.35mm × 31.8mm)

**Overall Specifications—HFB** 

**Temperature Range:** -40°C to 150°C

**Waterproof:** Typically to a depth of 1 foot for 2 hours **Vibration Resistance:** Per Mil Standard 810C **Humidity:** 85°C/85% R.H. for 96 hours

Material Specifications—HFB Brittle Point: Less than -60°C Abrasion: 54% NBS Index

Fluid Resistance: Type and Class AA, BA, BC, BE, CA, CE per ASTM D-2000 Standard Classification System for rubbers

Flame Resistance: Pass FMVSS302 and rated slow burning when tested in accordance with U.L. 94HB Ozone Resistance: Passed 70 hours in 50 ppm ozone

per ASTM D-5

**Salt Spray:** 15% for 166 hours = 0% volume swell

U.L. Flammability: 94 HB
Temperature Rating (RTI): 90°C
Body Material: Thermoplastic rubber
Contact Material: Copper with tin plating

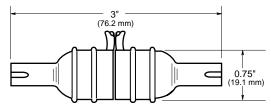
## **Xenon Arc Weatherometer**

|                | Tensile           |               | 100%<br>Mod.<br>(psi) |  |
|----------------|-------------------|---------------|-----------------------|--|
| Time<br>(Hrs.) | Strength<br>(psi) | Elong.<br>(%) |                       |  |
| 0              | 1100              | 375           | 470                   |  |
| 500            | 1130              | 350           | 520                   |  |
| 1000           | 1190              | 350           | 520                   |  |

## Heat Aging (% retention of mechanical properties at 125°C)

|                | Days |     |     |     |      |
|----------------|------|-----|-----|-----|------|
| Parameters     | 1    | 7   | 15  | 30  | 41.7 |
| Tensile Stgth. | 100  | 105 | 115 | 120 | 120  |
| % Elongation   | 90   | 90  | 90  | 90  | 90   |
| 100% Mod.      | 105  | 110 | 120 | 120 | 120  |
|                |      |     |     |     |      |

## **Dimensional Data**



Catalog Numbers

| Oatalog Hullibers        |                |  |  |  |
|--------------------------|----------------|--|--|--|
| Description              | Catalog Number |  |  |  |
| Standard Pack (10-in)    | HFB            |  |  |  |
| Bulk Pack (20-in)        | BK/HFB         |  |  |  |
| Replacement Contact Clip | BK/1A2294      |  |  |  |
| Accepts #10 Wire         | HFB-10         |  |  |  |

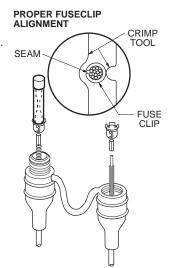
#### **General Information:**

- Rated 30 amps, 32 volts AC.
- Ideal for harsh environments.
  - Water -40°C to 150°C temp. range
  - Salt spray
     Withstands many organic solvents and
  - Ultraviolet light rigorous shock and vibration.
  - Ozone
- Accepts #12 to #18 wire leads (not provided).
- Simple assembly.
- One-piece molded thermoplastic.
- High visibility yellow color for easy identification in dark or hard-to-access locations.
- Important information molded into body.

#### Installation:

- 1. Thread wire through housing.
- 2. Strip insulation per strip gauge.
- 3. Crimp fuse clip to wire.\*
- 4. Pull wire and seat fuse clip in housing.
- 5. Insert fuse.
- 6. Snap housing together.

\*Recommended Crimping Tools: Thomas & Betts No. WT-111-M; Radio Shack No. 64-409; California Terminal Products No. 1250.



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