

HFB

1/4" x 1 1/4" in-line water-resistant fuse holder



Product features

- For 1/4" x 1-1/4" (6.35 mm x 31.8 mm) fuses
- IP67 rating for exposed locations
- Ideal for harsh environments
 - Water, Salt Spray
 - Ultraviolet Light, Ozone
 - -40 °C to 150 °C temperature range
 - Withstands many organic solvents and rigorous shock and vibration
- Standard HFB accepts #18 to #12 AWG Cu wire
- HFB-10 accepts #10 AWG Cu wire
- High visibility yellow color
- Recommended crimp tools:
 - Thomas & Betts – ERG4002
 - Channellock No. 909
 - Thomas & Betts WT-112M
- Replacement contact clip:
 - Standard “-R”: BK/1A2294
 - HFB-10: BK/1A2294-01
- UL flammability rating 94 HB

| Component | Material |
|-----------|----------------------|
| Body | Thermoplastic Rubber |
| Crimp | Copper Tin-Plated |

| SPECIFICATIONS | | |
|----------------|-------------------|-------------------|
| Product Code | Voltage Rating AC | Current Rating AC |
| HFB | 32 V | 30 A |

Ordering

- Specify packaging, product, and option code

Environmental data

- Temperature Rating (RTI): 100 °C
- IP67 rating for exposed locations
- Vibration Resistance: Per MIL STD 810C
- Humidity: 85°C/85% relative humidity for 96 hours
- 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 related slow burning when tested in accordance with UL 94HB
- Ozone Resistance: Passed 70 Hours in 50 ppm ozone per ASTM D-5
- Salt Spray: 15% for 166 hours = 0% volume swell
- Xenon Arc Weatherometer

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

- Heat Aging (% Retention of Mechanical Properties at 125°C)

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

| PACKAGING CODE | |
|----------------|--|
| Packaging Code | Description |
| Blank | 10 pieces of fuseholders packed into a carton |
| BK | 100 pieces of fuseholders packed into a poly bag |

| OPTION CODE | |
|-------------|--------------------------------------|
| Option Code | Description |
| -R | Standard version, RoHS compliant |
| -10 | #10 AWG Cu wire only, RoHS compliant |

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