COOPER Bussmann

# TRON® In-Line Fuse Holders

## HEB Series Single-Pole Breakaway & Non-Breakaway for 13/32″ x 1 1/2″ Fuses



### Non-Breakaway Fuse Holders

See page 2 for breakaway holders

### Catalog Symbol: HEB

### Description:

Water resistant, single-pole non-breakaway in-line fuse holders for 13/32″ x 1 1/2″ midget fuses. Typical fuse types: BAF, DCM, FNM, FNQ and KTK.

### Ratings:

Volts: 600V (or less)

Amps: Up to 30A*

### Agency Information:

(1)UL Recognized, Guide IZLT2, File E14853

(2)CSA Certified, Class 6225-01, File 47235

(3)CE

### Coupling Nut Torque: 10-20lb-in.

### Part Number Explanation

Example: HEB-AK

- HEB = Holder series
- A = Loadside terminal (copper crimp for #12 solid copper wire)
- K = Lineside terminal (copper setscrew for two #6 solid copper wires)

### Part Number Selection

From the table on page three, select the combination of desired loadside and lineside terminals for the application (define terminal type, wire size, number of wires per terminal and whether the terminal accepts solid and/or stranded conductors). Then in the right hand two columns, select either the non-breakaway or breakaway holder part number to order.

### Available Part Numbers

HEB-AA(1) (2) (3), HEB-AB(2), HEB-AC(2), HEB-AD(2), HEB-AE(2), HEB-AJ, HEB-AK, HEB-AL, HEB-AR, HEB-AY, HEB-BA(2), HEB-BB(2), HEB-BC(2), HEB-BD(2), HEB-CC(2), HEB-DD(2), HEB-JJ, HEB-JK, HEB-JL, HEB-JY, HEB-LL, HEB-NN, HEB-PP(2), HEB-QQ(2), HEB-RR(2), HEB-SS, HEB-TT(2), HEB-ZA.

### Insulating Boots

For insulating boots, see page 2. Insulating boots are not included with non-breakaway holders and must be ordered separately. They come standard with the breakaway holders.

When insulating boots are utilized, extra heat retention requires that fuses are sized at a minimum of 200% of the RMS load current.

*Amp rating limited by conductor size.

### Specification Data - Non-Breakaway & Loadside Breakaway

**Conductor Terminals**

| Terminal Type | Conductor Data Size | No. Per Terminal | Solid | Stranded | Catalog Symbol Load & Line (2) & (3) |
|---|---|---|---|---|---|
| **Copper Crimp**  | #12 to #8 | 1 | • | • | **A** |
| | #12 | 2 | • | • | |
| | #10 | 2 | • | • | **B** |
| | #6 | 1 | • | • | |
| | #8 | 2 | • | • | **C** |
| | #4 | 1 | — | • | |
| | #6 | 2 | • | • | **D** |
| | #2 | 1 | — | • | |
| | #4 | 2 | • | • | **E** |
| | #20 to #18 | 1 | • | • | **Z** |
| **Copper Setscrew**  | #12 to #3 | 1 | • | • | **J** |
|  | #12 to #3 | 2 | • | • | **K** |
| **Solid Copper Terminal for Aluminum Wire Connector**  | #8 to #12 | **1** | • | — | **S** |
| | #10 to #4 | **1** | — | • | |
| **Aluminum Crimp**  | #8 | 1 | — | • | **N** |
| | #6 | 1 | • | — | |
| | #6 | 1 | — | • | **P** |
| | #4 | 1 | • | — | |
| | #3, #4 | 1 | — | • | **Q** |
| | #2 | 1 | • | — | |
| | #1, #2 | 1 | — | • | **R** |
| | #1/0 | 1 | — | • | **T** |
| **Aluminum Setscrew**  | #12 to #2 | 1 | • | • | **L** |
|  | #12 to #2 | 2 | • | • | **Y** |

## Breakaway Fuse Holders

### Catalog Symbol: HEB

### Description:

Single-pole breakaway in-line fuse holders for 13/32" x 1 1/2" midget fuses. Typical fuse types: BAF, DCM, FNM, FNQ AND KTK.

### Ratings:

Volts: 600V (or less)
Amps: Up to 30A*

### Agency Information:

(1)UL Recognized, Guide IZLT2, File E14853
(2)CSA Certified, Class 6225-01, File 47235
(3)CE

### Coupling Nut Torque: 10-20lb-in.

### Part Number Explanation

Example: HEB-AW-RYC

- HEB = Holder series
- AW = Loadside terminal (copper crimp for #12 solid copper wire)
- RYC = Lineside terminal (copper setscrew for two #6 solid copper wires)

### Part Number Selection

From the table on page three, select the combination of desired loadside and lineside terminals for the application (define terminal type, wire size, number of wires per terminal and whether the terminal accepts solid and/or stranded conductors). Then in the right hand two columns, select either the non-breakaway or breakaway holder part number to order.

### Available Part Numbers

**Breakaway Units:**
(Includes fuse holder, breakaway part and insulating boots):
HEB-AW-RLA, HEB-AW-RLC-A(1) (2) (3), HEB-AW-RLC-B, HEB-AW-RLC-C, HEB-AW-RLC-J, HEB-AW-RYA, HEB-AW-RYC, HEB-BW-RLC-A, HEB-BW-RLC-B, HEB-BW-RYC, HEB-JW-RLC-J, HEB-JW-RYC, HEB-KW-RLC-J, HEB-KW-RYC, HEB-LW-RLA, HEB-LW-RLC-J, HEB-LW-RYA

**Fuse Holder Only:** HEB-AW(2), HEB-BW(2), HEB-DW(2), HEB-JW, HEB-LW

**Breakaway Part:** RLC-A, RLC-B, RLC-C, RLC-J, RYC, RLA, RYA

### Specification Data - Lineside Breakaway

**Breakaway Receptacles**

| Terminal Type | Conductor Data Size | No. Per Terminal | Solid | Stranded | Catalog Symbol |
|---|---|---|---|---|---|
| **Copper Crimp**  | #12 to #8 | 1 | • | • | **-RLC-A** |
| | #6 | 1 | • | • | **-RLC-B** |
| | #4 | 1 | • | • | **-RLC-C** |
| **Copper Setscrew**  | #12 to #2 | 1 | • | • | **-RLC-J** |
|  | #12 to #2 | 2 | • | • | **-RYC** |
| **Aluminum Setscrew**  | #12 to #2 | 1 | • | • | **-RLA** |
|  | #12 to #2 | 2 | • | • | **-RYA** |
| **Solid Breakaway**  | **(Required with Breakaway Receptacle)** | | | | **W** |

### Insulating Boots



| Part Numbers | Type |
|---|---|
| **2A0660** | Single conductor |
| **2A0661** | Two conductor |

Two insulating boots come standard with the breakaway holders (example: HEB-AW-RLC-A). The insulating boots are not included with the non-breakaway holders (example: HEB-AA) or the individual pieces of the breakaway holders (example: HEB-AW, RCL-A). Two insulating boots must be ordered for each holder when ordering them separately. When insulating boots are utilized, extra heat retention requires that fuses are sized at a minimum of 200% of the RMS load current.

*Amp rating limited by conductor size.

# For HEB Holders Only

Directions:To select complete holder P/N, work from left to right starting with loadside terminal options and then lineside terminal options. Then determine breakaway or non-breakaway style.

| Loadside Terminal | | | | | Lineside Terminal | | | | | Available P/N's | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Terminal Type | Wire Size | No. of Wires per Terminal | Solid Wire | Stranded Wire | Terminal Type | Wire Size | No. of Wires per Terminal | Solid Wire | Stranded Wire | Non-Breakaway P/N (Boots not included) | Breakaway P/N (Boots included) |
| Copper Crimp | #12 to #8<br>#12 | 1<br>2 | Y<br>Y | Y<br>Y | Copper Crimp | #12 to #8<br>#12 | 1<br>2 | Y<br>Y | Y<br>Y | HEB-AA(1)(2)(3) | HEB-AW-RLC-A(1)(2)(3) |
| Copper Crimp | #12 to #8<br>#12 | 1<br>2 | Y<br>Y | Y<br>Y | Copper Crimp | #6<br>#10 | 1<br>2 | Y<br>Y | Y<br>Y | HEB-AB(2) | HEB-AW-RLC-B |
| Copper Crimp | #12 to #8<br>#12 | 1<br>2 | Y<br>Y | Y<br>Y | Copper Crimp (4) | #4<br>#8 | 1<br>2 | N<br>Y | Y<br>Y | HEB-AC(2) | HEB-AW-RLC-C(4) |
| Copper Crimp | #12 to #8<br>#12 | 1<br>2 | Y<br>Y | Y<br>Y | Copper Crimp | #2<br>#6 | 1<br>2 | N<br>Y | Y<br>Y | HEB-AD(2) | N/A |
| Copper Crimp | #12 to #8<br>#12 | 1<br>2 | Y<br>Y | Y<br>Y | Copper Crimp | 2/0<br>#3 | 1<br>2 | N<br>N | Y<br>Y | HEB-AE(2) | N/A |
| Copper Crimp | #12 to #8<br>#12 | 1<br>2 | Y<br>Y | Y<br>Y | Copper Setscrew | #12 to #3 | 1 | Y | Y | HEB-AJ | HEB-AW-RLC-J |
| Copper Crimp | #12 to #8<br>#12 | 1<br>2 | Y<br>Y | Y<br>Y | Copper Setscrew | #12 to #3 | 2 | Y | Y | HEB-AK | HEB-AW-RYC |
| Copper Crimp | #12 to #8<br>#12 | 1<br>2 | Y<br>Y | Y<br>Y | Aluminum Setscrew | #12 to #2 | 1 | Y | Y | HEB-AL | HEB-AW-RLA |
| Copper Crimp | #12 to #8<br>#12 | 1<br>2 | Y<br>Y | Y<br>Y | Aluminum Setscrew | #12 to #2 | 2 | Y | Y | HEB-AY | HEB-AW-RYA |
| Copper Crimp | #12 to #8<br>#12 | 1<br>2 | Y<br>Y | Y<br>Y | Aluminum Crimp | #1, #2 | 1 | N | Y | HEB-AR | N/A |
| Copper Crimp | #6<br>#10 | 1<br>2 | Y<br>Y | Y<br>Y | Copper Crimp | #12 to #8<br>#12 | 1<br>2 | Y<br>Y | Y<br>Y | HEB-BA(2) | HEB-BW-RLC-A |
| Copper Crimp | #6<br>#10 | 1<br>2 | Y<br>Y | Y<br>Y | Copper Crimp | #6<br>#10 | 1<br>2 | Y<br>Y | Y<br>Y | HEB-BB(2) | HEB-BW-RLC-B |
| Copper Crimp | #6<br>#10 | 1<br>2 | Y<br>Y | Y<br>Y | Copper Crimp | #4<br>#8 | 1<br>2 | N<br>Y | Y<br>Y | HEB-BC(2) | N/A |
| Copper Crimp | #6<br>#10 | 1<br>2 | Y<br>Y | Y<br>Y | Copper Crimp | #2<br>#6 | 1<br>2 | N<br>Y | Y<br>Y | HEB-BD(2) | N/A |
| Copper Crimp | #4<br>#8 | 1<br>2 | N<br>Y | Y<br>Y | Copper Crimp | #4<br>#8 | 1<br>2 | N<br>Y | Y<br>Y | HEB-CC(2) | N/A |
| Copper Crimp | #2<br>#6 | 1<br>2 | N<br>Y | Y<br>Y | Copper Crimp | #2<br>#6 | 1<br>2 | N<br>Y | Y<br>Y | HEB-DD(2) | N/A |
| Copper Crimp | #20, #18 | 1 | Y | Y | Copper Crimp | #12 to #8<br>#12 | 1<br>2 | Y<br>Y | Y<br>Y | HEB-ZA | N/A |
| Copper Setscrew | #12 to #3 | 1 | Y | Y | Copper Setscrew | #12 to #3 | 1 | Y | Y | HEB-JJ | HEB-JW-RLC-J |
| Copper Setscrew | #12 to #3 | 1 | Y | Y | Copper Setscrew | #12 to #3 | 2 | Y | Y | HEB-JK | HEB-JW-RYC |
| Copper Setscrew | #12 to #3 | 1 | Y | Y | Aluminum Setscrew | #12 to #2 | 1 | Y | Y | HEB-JL | N/A |
| Copper Setscrew | #12 to #3 | 1 | Y | Y | Aluminum Setscrew | #12 to #2 | 2 | Y | Y | HEB-JY | N/A |
| Aluminum Setscrew | #12 to #2 | 1 | Y | Y | Aluminum Setscrew | #12 to #2 | 1 | Y | Y | HEB-LL | HEB-LW-RLA |
| Aluminum Crimp | #8<br>#6 | 1<br>1 | N<br>Y | Y<br>N | Aluminum Crimp | #8<br>#6 | 1<br>1 | N<br>Y | Y<br>N | HEB-NN | N/A |
| Aluminum Crimp | #6<br>#4 | 1<br>1 | N<br>Y | Y<br>N | Aluminum Crimp | #6<br>#4 | 1<br>1 | N<br>Y | Y<br>N | HEB-PP(2) | N/A |
| Aluminum Crimp | #3, #4<br>#2 | 1<br>1 | N<br>Y | Y<br>N | Aluminum Crimp | #3, #4<br>#2 | 1<br>1 | N<br>Y | Y<br>N | HEB-QQ(2) | N/A |
| Aluminum Crimp | #1, #2 | 1 | N | Y | Aluminum Crimp | #1, #2 | 1 | N | Y | HEB-RR(2) | N/A |
| Aluminum Crimp | 1/0 | 1 | N | Y | Aluminum Crimp | 1/0 | 1 | N | Y | HEB-TT(2) | N/A |
| SolidTerminal for aluminum connector | #8 to #12<br>#10 to #14 | 1<br>1 | Y<br>N | N<br>Y | SolidTerminal for aluminum connector | #8 to #12<br>#10 to #14 | 1<br>1 | Y<br>N | N<br>Y | HEB-SS | N/A |

(1)UL Recognized, Guide IZLT2, File E14853
(2)CSA Certified, Class 6225-01, File 47235
(3)CE
(4)HEB-AW-RLC-C is for (1) #4 stranded wire only.

Contact your local Cooper Bussmann representative for other possible terminations not listed.

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