

# HEB breakaway and non-breakaway in-line fuse holders for UL 13/32" x 1-1/2" supplemental fuses



**Catalog Symbol: HEB\***

**Description**

The Bussmann™ series of HEB submersible, single-pole in-line fuse holders for UL 13/32" x 1-1/2" supplemental fuses. Available in non-breakaway and breakaway versions with an array of terminal options to meet application needs. Breakaway versions come with insulating boots to provide submersibility per UL IP67. Non-breakaway versions require ordering optional insulating boots for submersibility.

**Recommended fuses**

BAF, FNM, FNQ, KLM and KTK

**Ratings**

Volts: 600 V  
Amps: up to 30 A limited by conductor size  
Withstand: 200 kA RMS Sym.

**Agency information**

UL® Recognized, Guide IZLT2, File E14853  
CSA® Certified, Class 622501, File 47235  
CE, RoHS compliant†

**Coupling nut torque**

10-20 lb-In (1.1-2.2 N•m)

**Operating and storage temperature**

-40°F (-40°C) to 221°F (105°C)

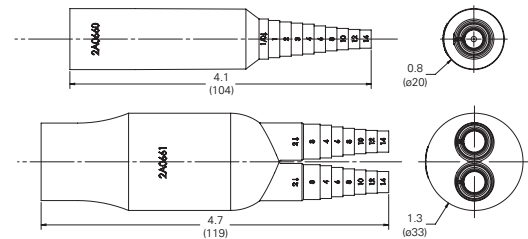
**Insulating boots**

Two insulating boots come standard with the breakaway holder configurations. Insulating boots are not included as standard with non-breakaway holders. Two insulating boots must be ordered separately, if required, for each non-breakaway holder ordered. When insulating boots are utilized, extra heat retention requires that fuses are sized at a minimum of 200% of the RMS load current.

**Use these part numbers to order insulating boots for a non-breakaway HEB holder**

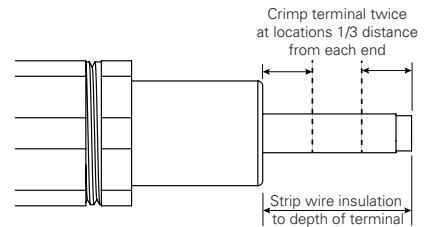
Description	Catalog no.
Single conductor	2A0660
Dual conductor	2A0661

**Boot reference**



**Installation instructions**

Strip wire insulation equal to the depth of the crimp or screw terminal. Torque screw terminal to 35 lb-In (3.9 N•m) or crimp terminal twice, spacing crimps a distance of one-third from each end (as shown below) using an appropriate crimp tool and die. See page 5 for recommended crimping tools.



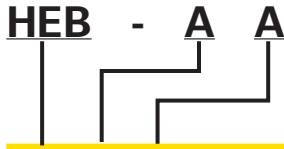
**Related products:**

Catalog no.	Description	Data sheet no.
HEX	Two-pole supplemental in-line fuse holder	2126
HEZ	One-pole Class CC in-line fuse holder	2130
HEY	Two-pole Class CC in-line fuse holder	2126
HET	One-pole in-line, permanently installed neutral	2125
NNB	13/32" x 1-1/2" neutral dummy link (not a fuse)	—

\* The Bussmann series HEB in-line fuse holders are the legacy Bussmann TRON™ HEB in-line fuse holders.

† See terminal data tables for exceptions.

Non-breakaway catalog number system



To order:

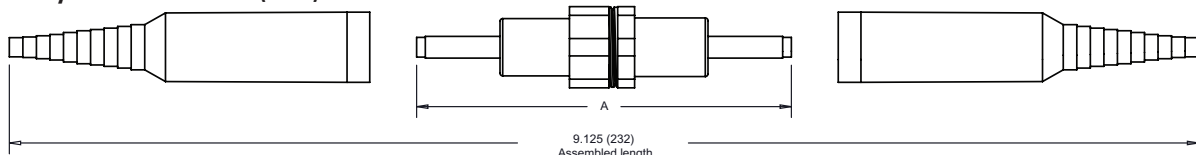
Specify catalog symbol HEB and the loadside terminal code. Then select a lineside terminal code that is available with the loadside terminal. Example: HEB-BB defines a non-breakaway holder with a loadside copper crimp terminal for a single #6 or two #10 wires with a lineside copper crimp terminal for a single #6 or two #10 wires.

Catalog symbol	Loadside terminal	Lineside terminal	Agency Info.		Loadside terminal			Lineside terminal			Ref. length A	Breakaway equivalent		
			UL	CSA	Terminal type	Wire range*	Terminal type	Wire range*						
A	A	X	X	Cu crimp			#8-16; (2) #12-16 Sol/Str	Cu crimp			#8-16; (2) #12-16 Sol/Str	4.4 (112)	HEB-AW-RLC-A	
	B	X	X	Cu crimp			#8-16; (2) #12-16 Sol/Str	Cu crimp			#6; (2) #10	4.4 (112)	HEB-AW-RLC-B	
	C	X	X	Cu crimp			#8-16; (2) #12-16 Sol/Str	Cu crimp			#4; (2) #8	4.7 (119)	HEB-AW-RLC-C	
	D	X	X	Cu crimp			#8-16; (2) #12-16 Sol/Str	Cu crimp			#2; (2) #6	4.7 (119)	—	
	J	X	X	Cu crimp			#8-16; (2) #12-16 Sol/Str	Cu setscrew			#3-12 Str; #10-12 Sol	4.7 (119)	HEB-AW-RLC-J	
	K	X	X	Cu crimp			#8-16; (2) #12-16 Sol/Str	Cu dual setscrew			#2-12 Str†; #10-12 Sol†	4.8 (122)	HEB-AW-RYC	
	R	—	—	Cu crimp			#8-16; (2) #12-16 Sol/Str	Al crimp			#1-2	4.9 (124)	—	
	L	—	—	Cu crimp			#8-16; (2) #12-16 Sol/Str	Al setscrew			#2-12	4.7 (119)	HEB-AW-RLA	
	W	—	—	Cu crimp			#8-16; (2) #12-16 Sol/Str	Cu solid			—	4.4 (112)	—	
Y	—	—	Cu crimp			#8-16; (2) #12-16 Sol/Str	Al dual setscrew			#2-12†	4.8 (122)	HEB-AW-RYA		
HEB	A	X	X	Cu crimp			#6; (2) #10	Cu crimp			#8-16; (2) #12-16 Sol/Str	4.4 (112)	HEB-BW-RLC-A	
	B	X	X	Cu crimp			#6; (2) #10	Cu crimp			#6; (2) #10	4.4 (112)	HEB-BW-RLC-B	
	C	X	X	Cu crimp			#6; (2) #10	Cu crimp			#4; (2) #8	4.7 (119)	—	
	D	X	X	Cu crimp			#6; (2) #10	Cu crimp			#2; (2) #6	4.7 (119)	—	
	W	—	—	Cu crimp			#6; (2) #10	Cu solid			—	4.4 (112)	—	
	C	C	X	X	Cu crimp			#4; (2) #8	Cu crimp			#4; (2) #8	5 (127)	—
	D	D	X	X	Cu crimp			#2; (2) #6	Cu crimp			#2; (2) #6	5 (127)	—
	Z	A	—	—	Cu crimp			#18-20	Cu crimp			#8-16; (2) #12-16 Sol/Str	4.4 (112)	—
	J	X	X	Cu setscrew			#3-12 Str; #10-12 Sol	Cu setscrew			#3-12 Str; #10-20 Sol	5 (127)	HEB-JW-RLC-J	
J	K	X	X	Cu setscrew			#3-12 Str; #10-12 Sol	Cu dual setscrew			#3-12 Str†; #10-20 Sol†	5.1 (129)	HEB-JW-RYC	
	L	—	—	Cu setscrew			#3-12 Str; #10-12 Sol	Al setscrew			#2-12	5 (127)	—	
	W	—	—	Cu setscrew			#3-12 Str; #10-12 Sol	Cu solid			—	4.8 (122)	—	
	Y	—	—	Cu setscrew			#3-12 Str; #10-12 Sol	Al dual setscrew			#2-12†	5.1 (129)	—	

\* Stranded conductors unless otherwise noted.

† Not dual wire rated. One wire per opening.

Non-breakaway dimensions - in (mm):



Non-breakaway catalog number system



Catalog symbol	Loadside terminal	Lineside terminal	Agency Information		Loadside terminal			Lineside terminal			Reference length A	Breakaway equivalent
			UL	CSA	Terminal type	Wire range*	Terminal type	Wire range*				
	L	L	—	—	Al setscrew		#2-12	Al setscrew		#2-12	5 (127)	HEB-LW-RLA
	N	N	—	—	Al crimp		#8 Str; #6 Sol	Al crimp		#8 Str; #6 Sol	5.4 (137)	—
	P	P	—	X	Al crimp		#6 Str; #4 Sol	Al crimp		#6 Str; #4 Sol	5.4 (137)	—
<b>HEB</b>	Q	Q	—	X	Al crimp		#3-4 Str; #2 Sol	Al crimp		#3-4 Str; #2 Sol	5.4 (137)	—
	R	R	—	X	Al crimp		#1-2	Al crimp		#1-2	5.4 (137)	—
	T	T	—	X	Al crimp		1/0	Al crimp		1/0	5.4 (137)	—
	W	W	—	—	Cu solid		—	Cu solid		—	4.4 (112)	—

\* Stranded conductors unless otherwise noted.

Non-Breakaway terminal data

Terminal type	Conductor data				Catalog symbol [Load /Line]
	Wire range	No. per terminal	Solid	Stranded	
	#8-16	1	•	•	A
	#12-16	2	•	•	
	#6	1	•	•	B
	#10	2	•	•	
	#4	1	—	•	C††
	#8	2	•	•	
	#2	1	—	•	D††
	#6	2	•	•	
	#3-12	1	—	•	J
	#10-12	1	•	•	
	#2-12	2†	—	•	K
	#10-12	2†	•	•	
	—	—	—	—	W

Terminal type	Conductor data				Catalog symbol [Load /Line]
	Wire range	No. per terminal	Solid	Stranded	
	#8	1	—	•	N
	#6	1	•	—	
	#6	1	—	•	P
	#4	1	•	—	
	#3-4	1	—	•	Q
	#2	1	•	—	
	#1-2	1	—	•	R
	#1/0	1	—	•	T
	#2-12	1	•	•	L
	#2-12	2†	•	•	Y

† Not dual wire rated. One wire per opening.

†† Fuse holder assemblies using this terminal are not RoHS compliant.

Breakaway catalog number system

**HEB - A W - RYC**

To order:

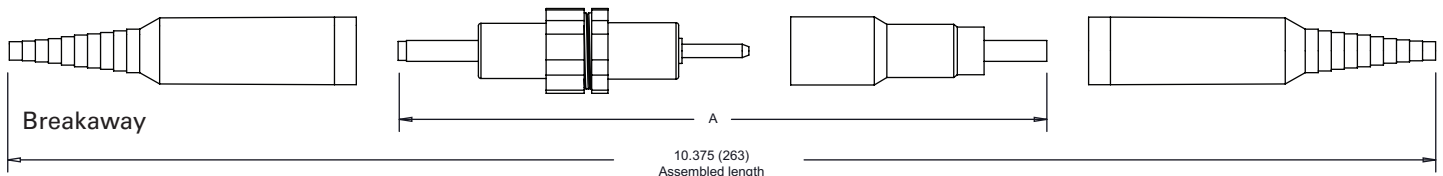
Specify catalog symbol HEB and the loadside terminal code plus the letter "W." Then select a lineside terminal code that is available with the loadside terminal. Example: HEB-BW-RCL-B defines a breakaway holder with a loadside copper crimp terminal for a single #6 or two #10 wires with a lineside copper crimp terminal for a single #6 or two #10 wires.

Catalog symbol	Loadside terminal	Lineside terminal	Agency Info.		Loadside terminal			Lineside terminal			Length A (ref.)	Non-breakaway equivalent			
			UL	CSA	Terminal type	Wire range*	Terminal type	Wire range*							
HEB	A	RLC-A	X	X	Cu crimp			#8-16; (2) #12-16 Sol/Str	Cu crimp			#8-16; (2) #12-16 Sol/Str	5.8 (147)	HEB-AA	
		RLC-B	X	X	Cu crimp			#8-16; (2) #12-16 Sol/Str	Cu crimp			#6; (2) #10	5.9 (150)	HEB-AB	
		RLC-C	X	X	Cu crimp			#8-16; (2) #12-16 Sol/Str	Cu crimp			#4; (2) #8	6.2 (158)	HEB-AC	
		RLC-J	X	X	Cu crimp			#8-16; (2) #12-16 Sol/Str	Cu setscrew			#3-12 Str #10-12 Sol	6.2 (158)	HEB-AJ	
		RYC	X	X	Cu crimp			#8-16; (2) #12-16 Sol/Str	Cu dual setscrew			#2-12 Str†; #10-12 Sol†	6.3 (159)	HEB-AK	
		RLA	—	—	Cu crimp			#8-16; (2) #12-16 Sol/Str	Al setscrew			#2-12	6.2 (158)	HEB-AL	
	RYA	—	—	Cu crimp			#8-16; (2) #12-16 Sol/Str	Al dual setscrew			#2-12†	6.3 (159)	HEB-AY		
	B	RLC-A	X	X	Cu crimp			#6; (2) #10	Cu crimp			#8-16; (2) #12-16	5.8 (147)	HEB-BA	
		RLC-B	X	X	Cu crimp			#6; (2) #10	Cu crimp			6#; (2) #10	5.9 (150)	HEB-BB	
		RYC	X	X	Cu crimp			#6; (2) #10	Cu dual setscrew			#2-12 Str†; #10-12 Sol†	6.3 (159)	—	
		J	RLC-J	X	X	Cu setscrew			#3-12 Str; #10-12 Sol	Cu setscrew			#3-12 Str; #10-12 Sol	6.2 (158)	HEB-JJ
			RYC	X	X	Cu setscrew			#3-12 Str; #10-12 Sol	Cu dual setscrew			#2-12 Str†; #10-12 Sol†	6.3 (159)	HEB-JK
K		RLC-J	X	X	Cu dual setscrew			#2-12 Str†; #10-12 Sol†	Cu setscrew			#3-12 Str; #10-12 Sol	6.2 (158)	—	
	RYC	X	X	Cu dual setscrew			#2-12 Str†; #10-12 Sol†	Cu dual setscrew			#2-12 Str†; #10-12 Sol†	6.3 (159)	—		
L	RLA	—	—	Al setscrew			#2-12	Al setscrew			#2-12	6.2 (158)	HEB-LL		
	RLC-J	—	—	Al setscrew			#2-12	Cu setscrew			#3-12	6.2 (158)	—		
	RYA	—	—	Al setscrew			#2-12	Al dual setscrew			#2-12†	6.3 (159)	—		





\* Stranded conductors unless otherwise noted.

† Not dual wire rated. One wire per opening.

Dimensions - in (mm):









**Breakaway loadside terminal data**

Terminal type	Conductor data				Catalog symbol [Load /Line (2) & (3)]
	Wire range	No. per terminal	Solid	Stranded	
<b>Cu crimp</b> 	#8-16	1	•	•	A
	#10-16	2	•	•	
	#6	1	•	•	B
	#10	2	•	•	
<b>Cu setscrew</b> 	#3-12	1	—	•	J
	#10-12	1	•	—	
<b>Cu dual setscrew</b> 	#2-12	2†	—	•	K
	#10-12	2†	•	—	
<b>Al setscrew</b> 	#2-12	1	•	•	L

† Not dual wire rated. One wire per opening.

†† Fuse holder assemblies using this terminal are not RoHS compliant.

**Breakaway lineside terminal data**

Terminal type	Conductor data				
	Wire range	No. per terminal	Solid	Stranded	Catalog symbol
<b>Cu crimp</b> 	#8-16	1	•	•	-RLC-A
	#12-16	2	•	•	
	#6	1	•	•	-RLC-B
	#10	2	•	•	
<b>Cu setscrew</b> 	#4	1	—	•	-RLC-C††
	#8	2	•	•	
<b>Cu setscrew</b> 	#3-12	1	—	•	-RLC-J
	#10-12	1	•	—	
<b>Cu dual setscrew</b> 	#2-12	2†	—	•	-RYC
	#10-12	2†	•	—	
<b>Al setscrew</b> 	#2-12	1	•	•	-RLA
<b>Al dual setscrew</b> 	#2-12	2†	•	•	-RYA