

HHC

High Voltage Capacitor Fuses According to US Standard



HHC

High Voltage Fuses for Capacitor Applications

Application Range Types

The new HHA-BC current-limiting "Back-Up" rated series fuse line has been designed for optimum capacitor circuit protection for the North American market meeting requirements for indoor and outdoor usage.

Rated Voltage

The HHA-BC capacitor fuse voltage rating is equal to or greater than the maximum open circuit voltage that the system can provide across a fuse that operated clearing the fault current. An example for individual capacitor protection follows;

- System voltage 13.8kV phase – phase
- Capacitor bank "wye" or star connected with the neutral solidly grounded.
- The voltage rating of the fuse need to be equal to or greater than $13.8\text{kV}/\sqrt{3} = 7.9\text{kV}$, HHA-BC fuse rated 8.3kV should be selected.

Rated Current

When selecting the proper current rating of the fuse, the following parameters must be considered in accordance with the IEC 549 standard and IEEE C37.48b standard;

- Tolerance of capacitor apparent power, $S_n + 15\%$
- Tolerance of application voltage , $U_n + 10\%$
- Harmonic content
- Peak inrush/outrush

The HHA-BC capacitor fuse voltage ratings are available in the ranges; 4.8kV, 5.5kV, 7.2kV, 8.3kV, 15.5kV and 23kV. Different styles of mounting are available;

- Threaded, tapped both ends, 1/2" UNC or M16
- L-Bracket, both ends, one end w/50N striker, threaded, tapped other end 1/2" UNC or M16

Fuses equipped with 50N striker provides a means of determining fuse fault clearing operation visually as the striker is colored bright red, and / or by activating a microswitch assembly for remote monitoring.

- New - all capacitor fuses equipped with 50N strikers have incorporated a thermal limiter that activates the striker on overload conditions that cause the internal temperature of the fuse to exceed prescribed

Selection Guide

HHa-BC, American Style, Current-Limiting, Back-Up

Current ratings [A]: 6.3, 10, 16, 20, 25, 31.5, 40, 50, 63, 80, 100, 125, 160, 200, 250

L=254mm	Page	L=359mm	Page				
4.8kV							
3034921.6.3 - 100	94					1/2" UNC	
3035021.125 - 160	94	3035121.200 - 250	94				
3035621.6.3 - 100	94						
3035721.125 - 160	94	3035821.200 - 250	94			M16	
7.2kV							
3035221.6.3 - 100	96	3035321.125 - 200	96			1/2" UNC	
3035921.6.3 - 100	96	3036021.125 - 200	96			M16	
15.5kV							
		3035421.6.3 - 100	98			1/2" UNC	
		3036121.6.3 - 100	98			M16	
5.5kV							
3038426.6.3 - 125	100	3038526.160 - 200	100			1/2" UNC - L Bracket	
3040426.6.3 - 125	100	3040526.160 - 200	100			M16 - L Bracket	
3041026.6.3 - 125	100	3041326.160 - 200	100			L-Bracket	
8.3kV							
3038726.6.3 - 40	103	3038826.50 - 125	103			1/2" UNC - L Bracket	
		3040626.50 - 125	103			M16 - L Bracket	
3041126.6.3 - 40	103	3041226.50 - 125	103			L-Bracket	
15.5kV							
3038626.6.3 - 40	106	3038926.50 - 80	106			1/2" UNC - L Bracket	
3040726.6.3 - 40	106	3040826.50 - 80	106			M16 - L Bracket	
3041426.6.3 - 40	106	3041526.50 - 80	106			L - Bracket	
23kV							
		3039026.6.3 - 50	109			1/2" UNC - L Bracket	
		3040926.6.3 - 50	109			M16 - L Bracket	
		3041626.6.3 - 50	109			L - Bracket	

HHA-BC

4.8kV- Rated Voltage[U_n]

L1=254/359mm, 1/2"UNC

L1=254/359mm, M16

High Voltage Current-Limiting Fuses

Capacitor Applications

with out Striker

Class

Back-Up

Standard(s)

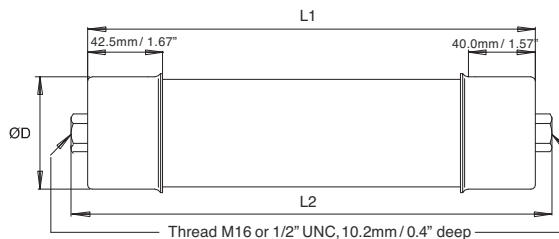
IEC 60282-1



Rated current I _n [A]	Article Number	Diameter D [in/mm]	Weight [kg/l]	Rated breaking current I ₁ [kA]	Minimum breaking current I ₃ [A]	Pre-arcing I ² t [A ² s]	Total I ² t @ 0.87U _n [A ² s]	Power loss [W]	Cold resistance [mΩ]
L1=254mm M=1/2"UNC									
6.3	3034921.6.3	2.5 / 63.5	2.0	63	22	45	—	330	11
10	3034921.10	2.5 / 63.5	2.0	63	34	75	—	500	19
16	3034921.16	2.5 / 63.5	2.0	63	56	250	—	1 800	13
20	3034921.20	2.5 / 63.5	2.0	63	70	640	—	4 300	14
25	3034921.25	2.5 / 63.5	2.0	63	90	1 050	—	6 700	16
31.5	3034921.31.5	2.5 / 63.5	2.0	63	110	1 700	—	10 800	20
40	3034921.40	2.5 / 63.5	2.0	63	140	2 900	—	17 100	26
50	3034921.50	2.5 / 63.5	2.0	63	170	5 700	—	29 700	30
63	3034921.63	2.5 / 63.5	2.0	63	210	10 700	—	59 400	37
80	3034921.80	2.5 / 63.5	2.0	63	280	21 000	—	126 000	42
100	3034921.100	2.5 / 63.5	2.0	63	320	33 000	—	189 000	55
125	3035021.125	3.00 / 76	2.5	63	390	47 000	—	351 000	78
160	3035021.160	3.00 / 76	2.5	63	600	90 000	—	513 000	93
L1=359mm M=1/2"UNC									
200	3035121.200	3.00 / 76	3.9	50	800	230 000	—	571 000	123
250	3035121.250	3.00 / 76	3.9	50	1 000	371 000	—	892 000	161
L1=254mm M=M16									
6.3	3035621.6.3	2.5 / 63.5	2.0	63	22	45	—	330	11
10	3035621.10	2.5 / 63.5	2.0	63	34	75	—	500	19
16	3035621.16	2.5 / 63.5	2.0	63	56	250	—	1 800	13
20	3035621.20	2.5 / 63.5	2.0	63	70	640	—	4 300	14
25	3035621.25	2.5 / 63.5	2.0	63	90	1 050	—	6 700	16
31.5	3035621.31.5	2.5 / 63.5	2.0	63	110	1 700	—	10 800	20
40	3035621.40	2.5 / 63.5	2.0	63	140	2 900	—	17 100	26
50	3035621.50	2.5 / 63.5	2.0	63	170	5 700	—	29 700	30
63	3035621.63	2.5 / 63.5	2.0	63	210	10 700	—	59 400	37
80	3035621.80	2.5 / 63.5	2.0	63	280	21 000	—	126 000	42
100	3035621.100	2.5 / 63.5	2.0	63	320	33 000	—	189 000	55
125	3035721.125	3.00 / 76	2.5	63	390	47 000	—	351 000	78
160	3035721.160	3.00 / 76	2.5	63	600	90 000	—	513 000	93
L1=359mm M=M16									
200	3035821.200	3.00 / 76	3.9	50	800	230 000	—	571 000	123
250	3035821.250	3.00 / 76	3.9	50	1 000	371 000	—	892 000	161



Dimensions [in/mm]		
3049021		3035121
3035021		3035721
10.00 / 254	L1	14.13 / 359
3035121		3035821
10.75 / 273	L2	14.88 / 378



SIBA LLC

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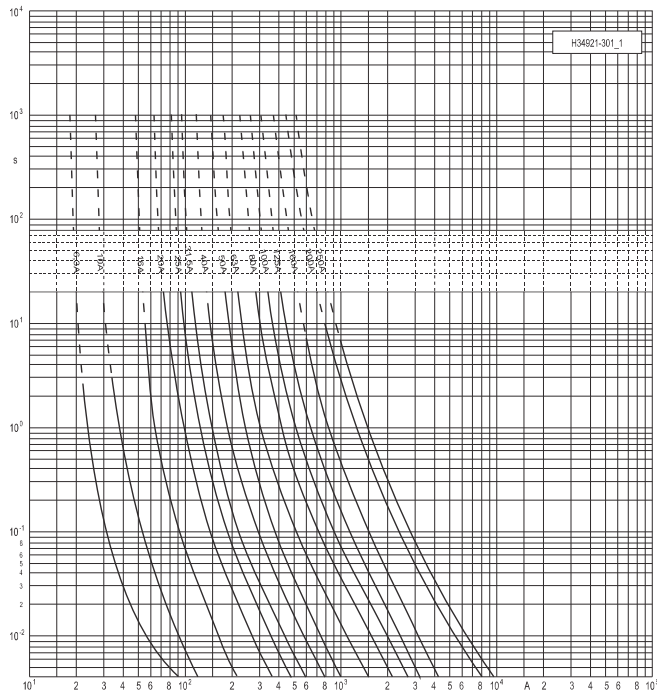
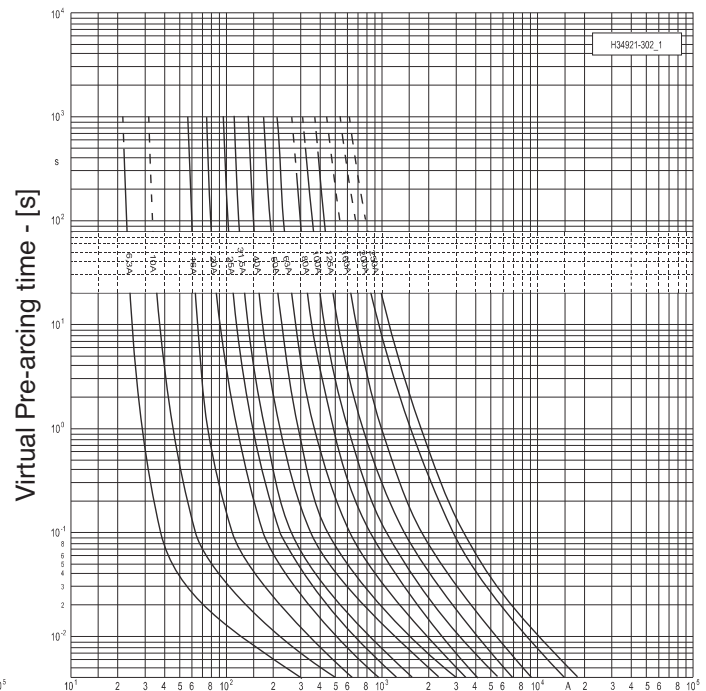
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HHa-BC

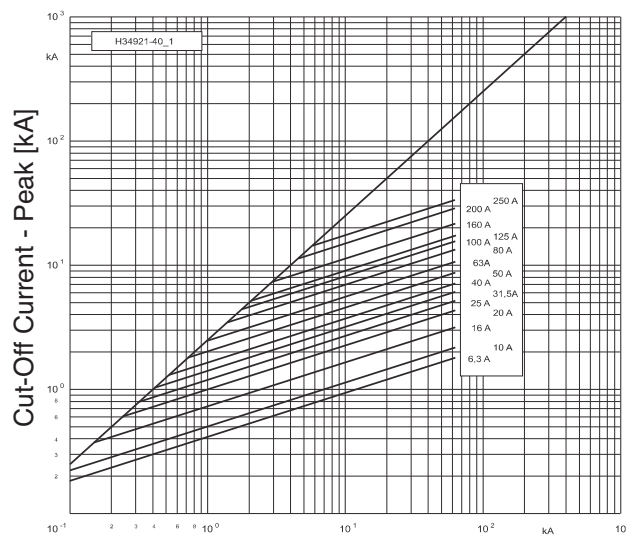
Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
Current-Limiting, Back-Up, 4.8kV, L1 = 254mm/359mm (6A - 250A)

3034921.6.3 - 100, 3035021.125 - 160, 3035121.200 - 250

3035621.6.3 - 100, 3035721.125 - 160, 3035821.200 - 250

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

Prospective Short Circuit Current [kA] - (Symmetrical r.m.s.)

Full size graphs available upon request.

HHA-BC

7.2kV- Rated Voltage[U_n]

High Voltage Current-Limiting Fuses

Capacitor Applications

with out Striker

Class

Back-Up

Standard(s)

IEC 60282-1

L1=254/359mm, 1/2"UNC

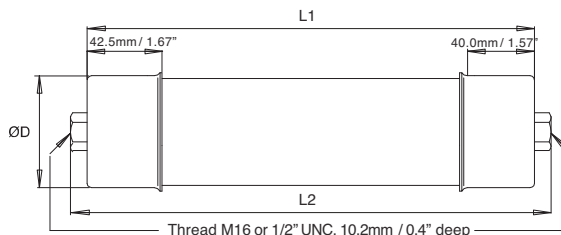
L1=254/359mm, M16



Rated current I_n [A]	Article Number	Diameter	Weight [kg/l]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @		Power loss [W]	Cold resistance [mΩ]
		D					$0.87U_n$			
		[in/mm]					[A ² s]	[A ² s]		
L1=254mm M=1/2"UNC										
6.3	3035221.6.3	2.5 / 63.5	2.0	63	—	45	—	330	16	—
10	3035221.10	2.5 / 63.5	2.0	63	—	75	—	500	22	—
16	3035221.16	2.5 / 63.5	2.0	63	—	250	—	1 800	19	—
20	3035221.20	2.5 / 63.5	2.0	63	—	640	—	4 300	26	—
25	3035221.25	2.5 / 63.5	2.0	63	—	1 050	—	6 700	24	—
31.5	3035221.31.5	2.5 / 63.5	2.0	63	—	1 700	—	10 800	30	—
40	3035221.40	2.5 / 63.5	2.0	63	—	2 900	—	17 100	39	—
50	3035221.50	2.5 / 63.5	2.0	63	—	5 700	—	29 700	45	—
63	3035221.63	2.5 / 63.5	2.0	63	—	10 700	—	59 400	55	—
80	3035221.80	2.5 / 63.5	2.0	63	—	21 000	—	126 000	63	—
100	3035221.100	2.5 / 63.5	2.0	63	—	33 000	—	189 000	82	—
L1=359mm M=1/2"UNC										
125	3035321.125	3.00 / 76	3.9	63	—	47 000	—	351 000	117	—
160	3035321.160	3.00 / 76	3.9	63	—	90 000	—	513 000	139	—
200	3035321.200	3.00 / 76	3.9	50	—	230 000	—	634 000	154	—
L1=254mm M=M16										
6.3	3035921.6.3	2.5 / 63.5	2.0	63	—	45	—	330	16	—
10	3035921.10	2.5 / 63.5	2.0	63	—	75	—	500	22	—
16	3035921.16	2.5 / 63.5	2.0	63	—	250	—	1 800	19	—
20	3035921.20	2.5 / 63.5	2.0	63	—	640	—	4 300	26	—
25	3035921.25	2.5 / 63.5	2.0	63	—	1 050	—	6 700	24	—
31.5	3035921.31.5	2.5 / 63.5	2.0	63	—	1 700	—	10 800	30	—
40	3035921.40	2.5 / 63.5	2.0	63	—	2 900	—	17 100	39	—
50	3035921.50	2.5 / 63.5	2.0	63	—	5 700	—	29 700	45	—
63	3035921.63	2.5 / 63.5	2.0	63	—	10 700	—	59 400	55	—
80	3035921.80	2.5 / 63.5	2.0	63	—	21 000	—	126 000	63	—
100	3035921.100	2.5 / 63.5	2.0	63	—	33 000	—	189 000	82	—
L1=359mm M=M16										
125	3036021.125	3.00 / 76	3.9	63	—	47 000	—	351 000	117	—
160	3036021.160	3.00 / 76	3.9	63	—	90 000	—	513 000	139	—
200	3036021.200	3.00 / 76	3.9	50	—	230 000	—	634 000	154	—



Dimensions [in/mm]		
3035221		3035321
3035921		3036021
10.00 / 254	L1	14.13 / 359
10.75 / 273	L2	14.88 / 378

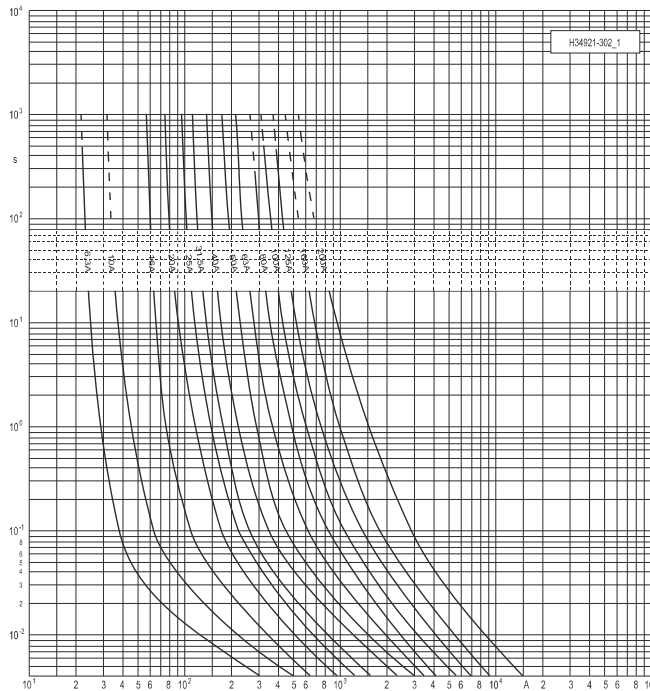
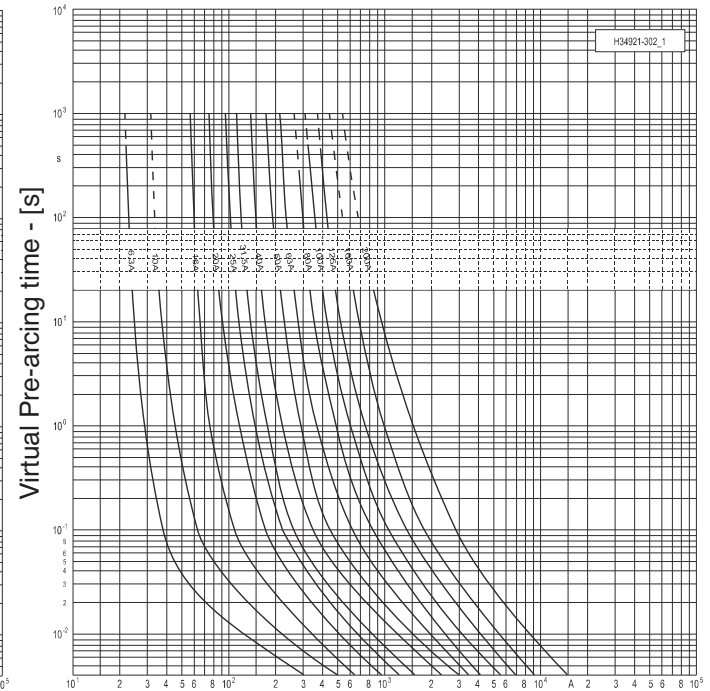


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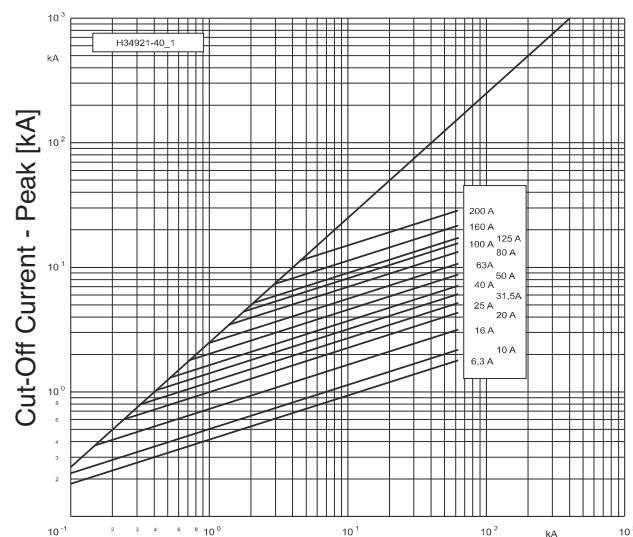
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HHA-BC Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
Current-Limiting, Back-Up, 7.2kV, L1 = 254mm/359mm (6.3A - 200A)

3035221.6.3 - 100, 3035321.125 - 200, 3035921.6.3 - 100, 3036021.125 - 200

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

Prospective Short Circuit Current [kA] - (Symmetrical r.m.s.)

Full size graphs available upon request.

HHA-BC

15.5kV- Rated Voltage[U_n]

High Voltage Current-Limiting Fuses

Capacitor Applications

with out Striker

Class

Back-Up

Standard(s)

IEC 60282-1

L1=359mm, 1/2"UNC

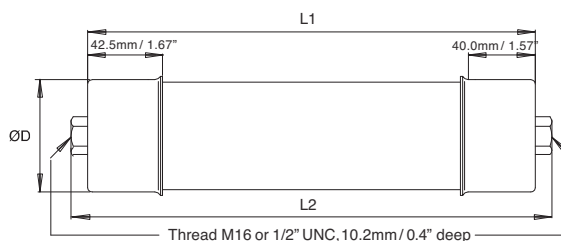
L1=359mm, M16



Rated current I_n [A]	Article Number	Diameter	Weight [kg/l]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @		Power loss [W]	Cold resistance [mΩ]
		D [in/mm]					$0.87U_n$ [A ² s]			
L1=359mm M=1/2"UNC										
6.3	3035421.6.3	2.5 / 63.5	2.5	63	—	45	—	330	21	—
10	3035421.10	2.5 / 63.5	2.5	63	—	75	—	500	38	—
16	3035421.16	2.5 / 63.5	2.5	63	—	250	—	1 800	37	—
20	3035421.20	2.5 / 63.5	2.5	63	—	640	—	4 300	40	—
25	3035421.25	2.5 / 63.5	2.5	63	—	1 050	—	6 700	56	—
31.5	3035421.31.5	2.5 / 63.5	2.5	63	—	1 700	—	10 800	65	—
40	3035421.40	2.5 / 63.5	2.5	63	—	2 900	—	17 100	84	—
50	3035421.50	2.5 / 63.5	2.5	63	—	5 700	—	29 700	101	—
63	3035421.63	2.5 / 63.5	2.5	63	—	10 700	—	59 400	106	—
80	3035421.80	2.5 / 63.5	2.5	63	—	21 000	—	126 000	137	—
100	3035421.100	2.5 / 63.5	2.5	63	—	33 000	—	189 000	182	—
L1=359mm M=M16										
6.3	3036121.6.3	2.5 / 63.5	2.5	63	—	45	—	330	21	—
10	3036121.10	2.5 / 63.5	2.5	63	—	75	—	500	38	—
16	3036121.16	2.5 / 63.5	2.5	63	—	250	—	1 800	37	—
20	3036121.20	2.5 / 63.5	2.5	63	—	640	—	4 300	40	—
25	3036121.25	2.5 / 63.5	2.5	63	—	1 050	—	6 700	56	—
31.5	3036121.31.5	2.5 / 63.5	2.5	63	—	1 700	—	10 800	65	—
40	3036121.40	2.5 / 63.5	2.5	63	—	2 900	—	17 100	84	—
50	3036121.50	2.5 / 63.5	2.5	63	—	5 700	—	29 700	101	—
63	3036121.63	2.5 / 63.5	2.5	63	—	10 700	—	59 400	106	—
80	3036121.80	2.5 / 63.5	2.5	63	—	21 000	—	126 000	137	—
100	3036121.100	2.5 / 63.5	2.5	63	—	33 000	—	189 000	182	—



Dimensions [in/mm]	
L1	14.13 / 359
L2	14.88 / 378



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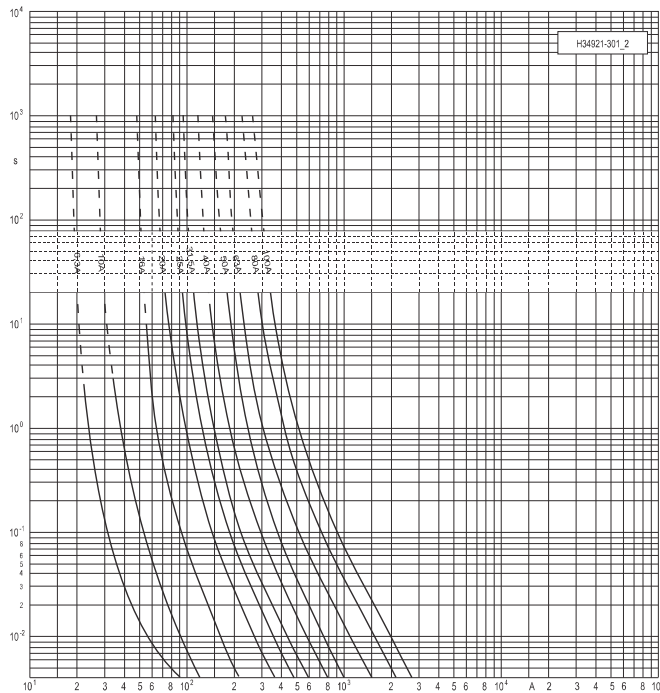
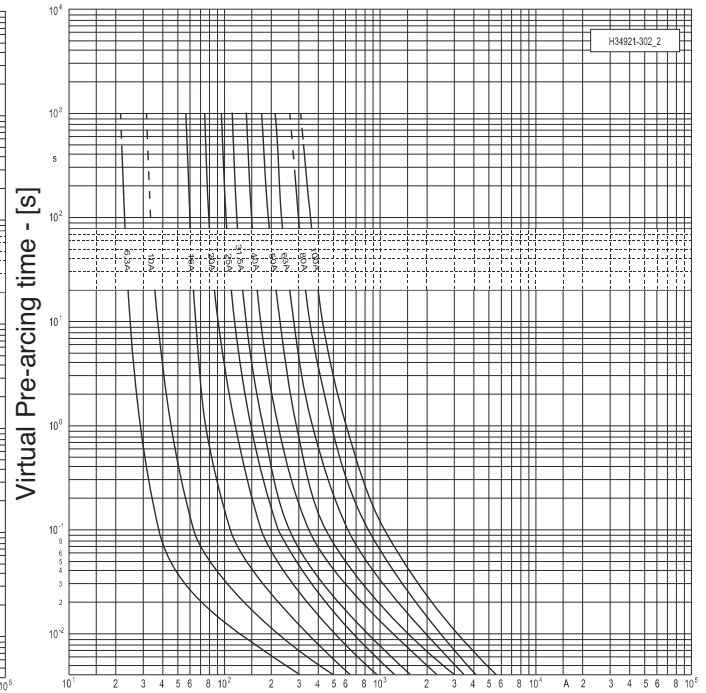
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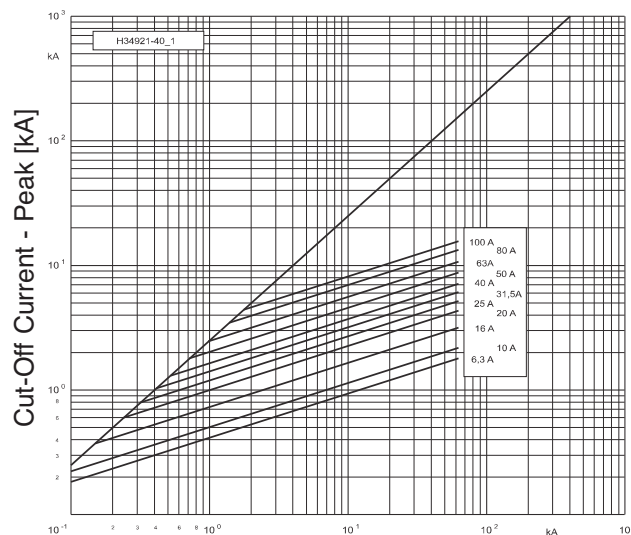
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**HHA-BC Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
Current-Limiting, Back-Up, 15.5kV, L1 = 359mm (6.3A - 100A)**

3035421.6.3 - 100, 3036121.6.3 - 100

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

Prospective Short Circuit Current [kA] - (Symmetrical r.m.s.)

Full size graphs available upon request.

HHA-BC

5.5kV- Rated Voltage[U_n]

High Voltage Current-Limiting Fuses

Capacitor Applications

Standard(s)

IEC 60282-1

L1=254mm/359mm, 1/2"UNC - L Bracket with Striker - 50N

L1=254mm/359mm, M16 - L Bracket

Class

L1=254mm/359mm, 2-L Brackets

Back-Up



Rated current I _n [A]	Article Number	Diameter D	Weight [kg/1]	Rated breaking current I ₁ [kA]	Minimum breaking current I ₃ [A]	Pre-arcing I ² t [A ² s]	Total I ² t @		Power loss [W]	Cold resistance [mΩ]
		[in/mm]					0.87U _n [A ² s]			
L1=254mm M=1/2"UNC										
6.3	3038426.6.3	2.5 / 63.5	2.5	63	—	45	—	330	12	—
10	3038426.10	2.5 / 63.5	2.5	63	—	75	—	500	26	—
16	3038426.16	2.5 / 63.5	2.5	63	—	250	—	1 800	14	—
20	3038426.20	2.5 / 63.5	2.5	63	—	640	—	4 300	15	—
25	3038426.25	2.5 / 63.5	2.5	63	—	1 050	—	6 700	17	—
31.5	3038426.31.5	2.5 / 63.5	2.5	63	—	1 700	—	10 800	22	—
40	3038426.40	2.5 / 63.5	2.5	63	—	2 900	—	17 100	29	—
50	3038426.50	2.5 / 63.5	2.5	63	—	5 700	—	29 700	33	—
63	3038426.63	2.5 / 63.5	2.5	63	—	10 700	—	59 400	41	—
80	3038426.80	2.5 / 63.5	2.5	63	—	21 000	—	126 000	46	—
100	3038426.100	2.5 / 63.5	2.5	63	—	33 000	—	189 000	60	—
125	3038426.125	2.5 / 63.5	2.5	63	—	47 000	—	351 000	86	—
L1=359mm M=1/2"UNC										
160	3038526.160*	2.5 / 63.5	2.8	63	—	90 000	—	570 000	105	—
200	3038526.200*	2.5 / 63.5	2.8	63	—	230 000	—	704 000	132	—
L1=254mm M=M16										
6.3	3040426.6.3	2.5 / 63.5	2.5	63	—	45	—	330	12	—
10	3040426.10	2.5 / 63.5	2.5	63	—	75	—	500	26	—
16	3040426.16	2.5 / 63.5	2.5	63	—	250	—	1 800	14	—
20	3040426.20	2.5 / 63.5	2.5	63	—	640	—	4 300	15	—
25	3040426.25	2.5 / 63.5	2.5	63	—	1 050	—	6 700	17	—
31.5	3040426.31.5	2.5 / 63.5	2.5	63	—	1 700	—	10 800	22	—
40	3040426.40	2.5 / 63.5	2.5	63	—	2 900	—	17 100	29	—
50	3040426.50	2.5 / 63.5	2.5	63	—	5 700	—	29 700	33	—
63	3040426.63	2.5 / 63.5	2.5	63	—	10 700	—	59 400	41	—
80	3040426.80	2.5 / 63.5	2.5	63	—	21 000	—	126 000	46	—
100	3040426.100	2.5 / 63.5	2.5	63	—	33 000	—	189 000	60	—
125	3040426.125	2.5 / 63.5	2.5	63	—	47 000	—	351 000	86	—
L1=359mm M=M16										
160	3040526.160*	2.5 / 63.5	2.8	63	—	90 000	—	570 000	105	—
200	3040526.200*	2.5 / 63.5	2.8	63	—	230 000	—	704 000	132	—
L1=254mm 2-L Bracket										
6.3	3041026.6.3	2.5 / 63.5	2.5	63	—	45	—	330	12	—
10	3041026.10	2.5 / 63.5	2.5	63	—	75	—	500	26	—
16	3041026.16	2.5 / 63.5	2.5	63	—	250	—	1 800	14	—
20	3041026.20	2.5 / 63.5	2.5	63	—	640	—	4 300	15	—
25	3041026.25	2.5 / 63.5	2.5	63	—	1 050	—	6 700	17	—
31.5	3041026.31.5	2.5 / 63.5	2.5	63	—	1 700	—	10 800	22	—
40	3041026.40	2.5 / 63.5	2.5	63	—	2 900	—	17 100	29	—
50	3041026.50	2.5 / 63.5	2.5	63	—	5 700	—	29 700	33	—
63	3041026.63	2.5 / 63.5	2.5	63	—	10 700	—	59 400	41	—
80	3041026.80	2.5 / 63.5	2.5	63	—	21 000	—	126 000	46	—
100	3041026.100	2.5 / 63.5	2.5	63	—	33 000	—	189 000	60	—
125	3041026.125	2.5 / 63.5	2.5	63	—	47 000	—	351 000	86	—
L1=359mm 2-L Bracket										
160	3041326.160	2.5 / 63.5	2.8	63	—	90 000	—	570 000	105	—
200	3041326.200	2.5 / 63.5	2.8	63	—	230 000	—	704 000	132	—

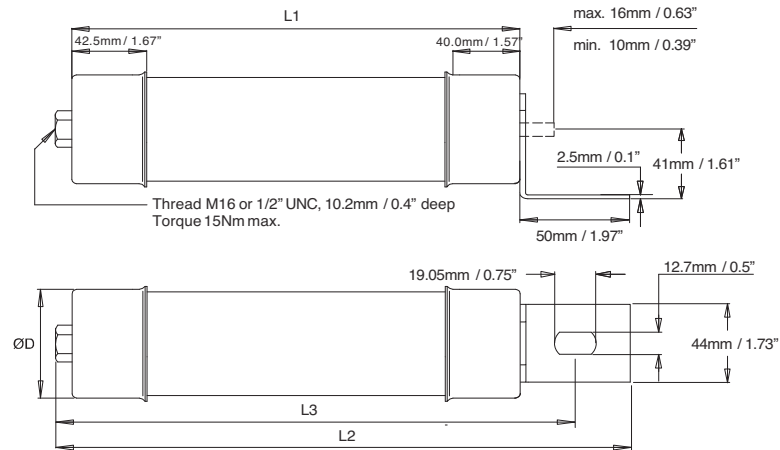


SIBA LLC

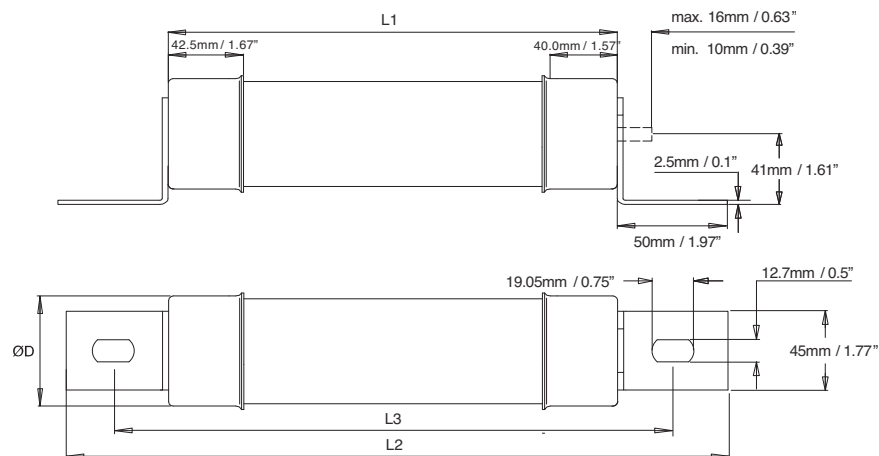
29 Fairfield Place

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HHA-BC**5.5kV- Rated Voltage[U_n]****L1=254mm/359mm, 1/2"UNC - L Bracket with Striker - 50N****L1=254mm/359mm, M16 - L Bracket****L1=254mm/359mm, 2-L Brackets****High Voltage Current-Limiting Fuses****Capacitor Applications****Class****Back-Up****Standard(s)****IEC 60282-1**

Dimensions [in/mm]		
3038426		—
3040426		3040526
10.00 / 254	L1	14.13 / 359
12.40 / 315	L2	16.53 / 420
11.42 / 290	L3	15.55 / 395



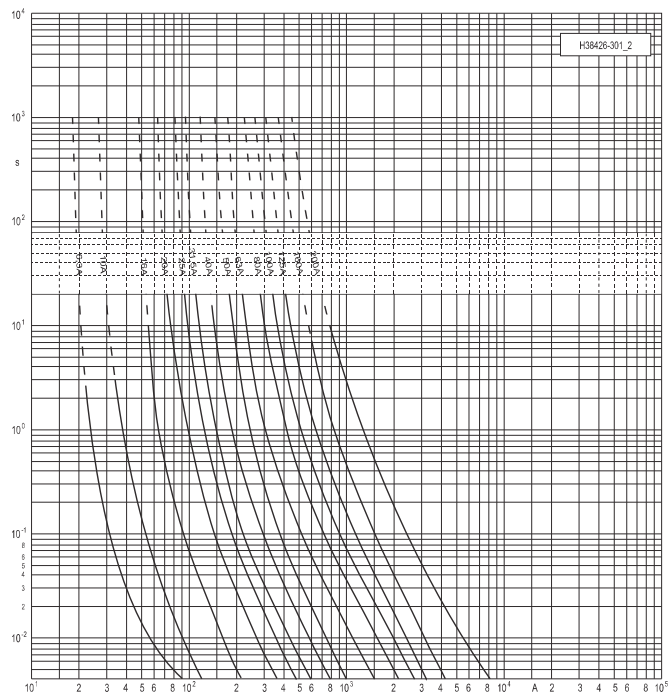
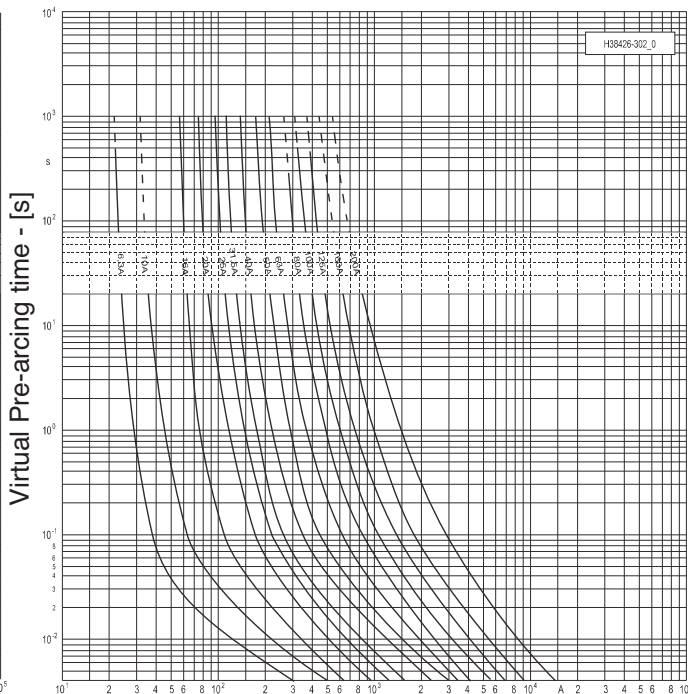
Dimensions [in/mm]		
3041026		3041326
10.00 / 254	L1	14.13 / 359
12.40 / 315	L2	16.53 / 420
11.42 / 290	L3	15.55 / 395

Accessories

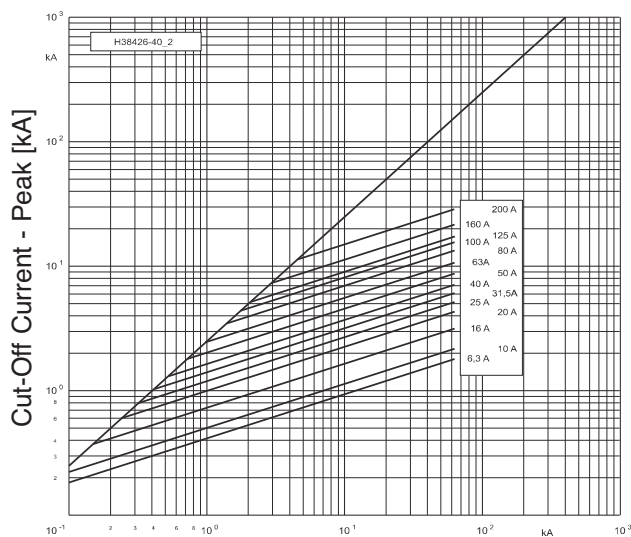
Article Description			Page(s)
Microswitch	3100210		187
Microswitch mounting bracket	9990003	Contact SIBA	

HHA-BC**Time-Current Characteristics - Minimum Melting and Total Clearing****Cut-Off Current Diagram****Current-Limiting, Back-Up, 5.5kV, L1 = 254mm / 359mm (6.3A - 200A)**

3038426.6.3 - 125, 3038526.160 - 200, 3040426.6.3 - 125, 3040526.160 - 200, 3041026.6.3 - 125, 3041326.160 - 200

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

Prospective Short Circuit Current [kA] - (Symmetrical r.m.s.)

Full size graphs available upon request.

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e-mail: info@sibafuse.com

HHA-BC**High Voltage Current-Limiting Fuses****Standard(s)****8.3kV- Rated Voltage[U_n]****Capacitor Applications****IEC 60282-1****L1=254mm/359mm, 1/2"UNC - L Bracket with Striker - 50N****L1=359mm, M16 - L Bracket****Class****L1=254mm/359mm, 2-L Brackets****Back-Up**

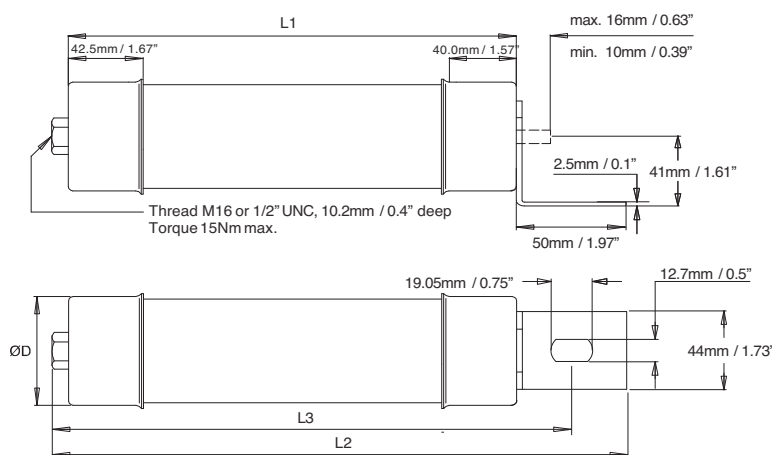
Rated current I _n [A]	Article Number	Diameter D [in/mm]	Weight [kg/l]	Rated breaking current I ₁ [kA]	Minimum breaking current I ₃ [A]	Pre-arcing I ² t [A ² s]	Total I ² t @ 0.87U _n [A ² s]	Power loss [W]	Cold resistance [mΩ]
L1=254mm M=1/2"UNC									
6.3	3038726.6.3	2.5 / 63.5	2.5	63	—	45	—	330	18
10	3038726.10	2.5 / 63.5	2.5	63	—	75	—	500	25
16	3038726.16	2.5 / 63.5	2.5	63	—	250	—	1 800	22
20	3038726.20	2.5 / 63.5	2.5	63	—	640	—	4 300	24
25	3038726.25	2.5 / 63.5	2.5	63	—	1 050	—	6 700	28
31.5	3038726.31.5	2.5 / 63.5	2.5	63	—	1 700	—	10 800	35
40	3038726.40	2.5 / 63.5	2.5	63	—	2 900	—	17 100	45
L1=359mm M=1/2"UNC									
50	3038826.50	2.5 / 63.5	2.9	63	—	5 700	—	29 700	52
63	3038826.63	2.5 / 63.5	2.9	63	—	10 700	—	59 400	64
80	3038826.80	2.5 / 63.5	2.9	63	—	21 000	—	126 000	73
100	3038826.100	2.5 / 63.5	2.9	63	—	33 000	—	189 000	95
125	3038826.125	2.5 / 63.5	2.9	63	—	47 000	—	351 000	136
L1=359mm M=M16									
50	3040626.50	2.5 / 63.5	2.9	63	—	5 700	—	29 700	52
63	3040626.63	2.5 / 63.5	2.9	63	—	10 700	—	59 400	64
80	3040626.80	2.5 / 63.5	2.9	63	—	21 000	—	126 000	73
100	3040626.100	2.5 / 63.5	2.9	63	—	33 000	—	189 000	95
125	3040626.125	2.5 / 63.5	2.9	63	—	47 000	—	351 000	136
L1=254mm									
6.3	3041126.6.3	2.5 / 63.5	2.5	63	—	45	—	330	18
10	3041126.1	2.5 / 63.5	2.5	63	—	75	—	500	25
16	3041126.16	2.5 / 63.5	2.5	63	—	250	—	1 800	22
20	3041126.2	2.5 / 63.5	2.5	63	—	640	—	4 300	24
25	3041126.25	2.5 / 63.5	2.5	63	—	1 050	—	6 700	28
31.5	3041126.31.5	2.5 / 63.5	2.5	63	—	1 700	—	10 800	35
40	3041126.4	2.5 / 63.5	2.5	63	—	2 900	—	17 100	45
L1=359mm									
50	3041226.5	2.5 / 63.5	2.9	63	—	5 700	—	29 700	52
63	3041226.63	2.5 / 63.5	2.9	63	—	10 700	—	59 400	64
80	3041226.8	2.5 / 63.5	2.9	63	—	21 000	—	126 000	73
100	3041226.100	2.5 / 63.5	2.9	63	—	33 000	—	189 000	95
125	3041226.125	2.5 / 63.5	2.9	63	—	47 000	—	351 000	136

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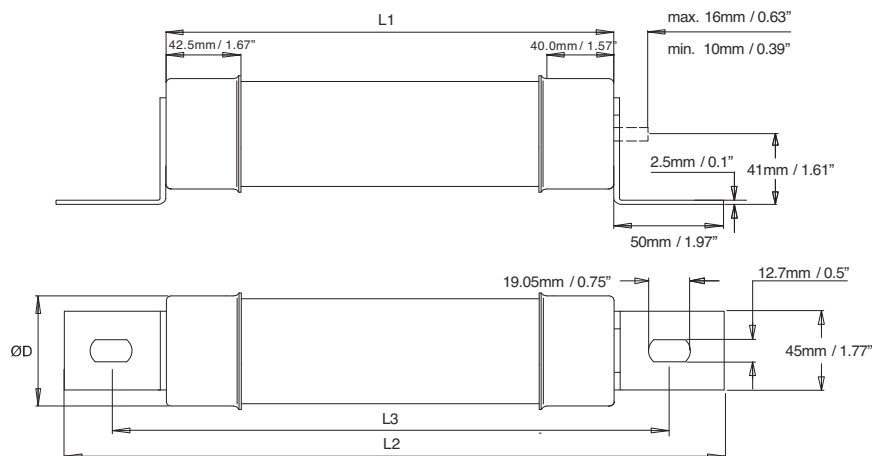
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HHA-BC**8.3kV- Rated Voltage[U_n]****L1=254mm/359mm, 1/2"UNC - L Bracket with Striker - 50N****L1=359mm, M16 - L Bracket****L1=254mm/359mm, 2-L Brackets****High Voltage Current-Limiting Fuses****Capacitor Applications****Class****Back-Up****Standard(s)****IEC 60282-1**

Dimensions [in/mm]		
3038726		3038826
—		3040626
10.00 / 254	L1	14.13 / 359
12.40 / 315	L2	16.53 / 420
11.42 / 290	L3	15.55 / 395



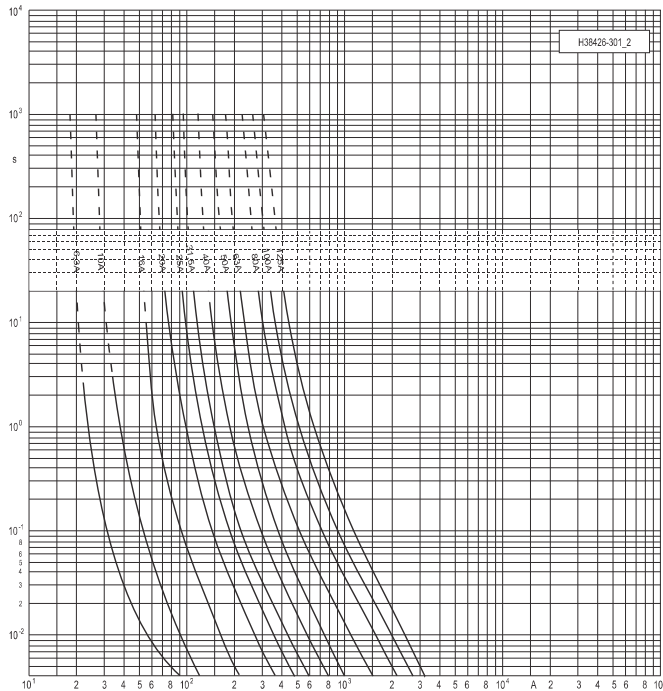
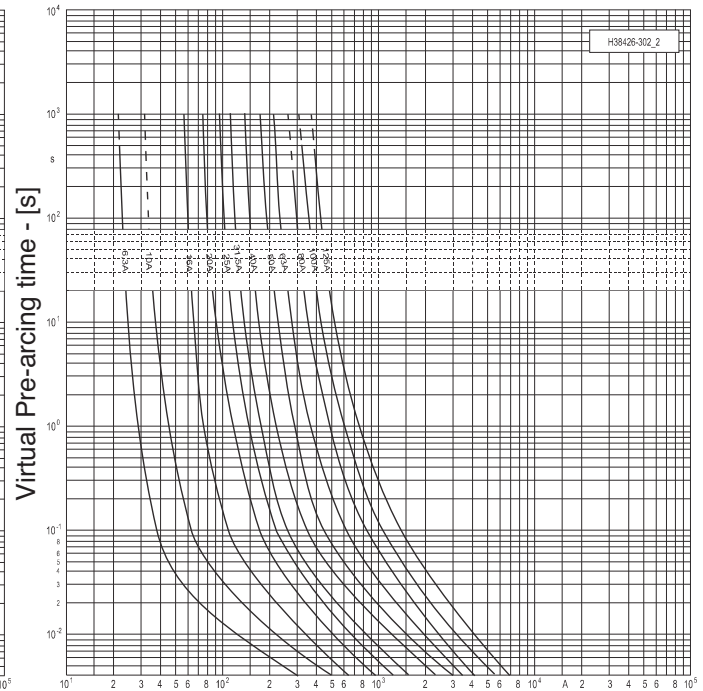
Dimensions [in/mm]		
3041126		3041226
10.00 / 254	L1	14.13 / 359
13.94 / 354	L2	18.07 / 459
11.97 / 304	L3	16.10 / 409

Accessories

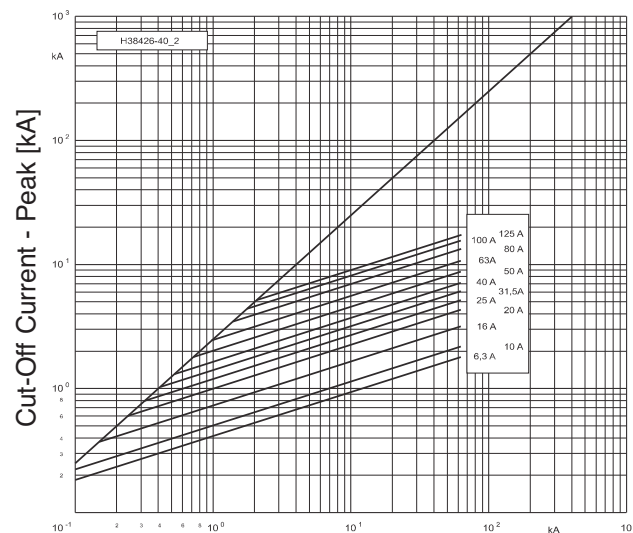
Article Description			Page(s)
Microswitch 3100210			187
Microswitch mounting bracket	9990003		Contact SIBA

HHA-BC Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
Current-Limiting, Back-Up, 8.3kV, L1 = 254mm/359mm (6.3A - 125A)

3038726.6.3 - 40, 3038826.50 - 125, 3040626.50 - 125, 3041126.6.3 - 40, 3041226.50 - 125, 3041126.6.3 - 40, 3041226.50 - 125

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

Prospective Short Circuit Current [kA] - (Symmetrical r.m.s.)

Full size graphs available upon request.

HHA-BC

15.5kV- Rated Voltage[U_n]

L1=254mm/359mm, 1/2"UNC - L Bracket with Striker - 50N

L1=254mm/359mm, M16 - L Bracket

L1=254mm/359mm, 2-L Brackets

High Voltage Current-Limiting Fuses

Capacitor Applications

Class

Back-Up

Standard(s)

IEC 60282-1



Rated current I _n [A]	Article Number	Diameter D [in/mm]	Weight [kg/l]	Rated breaking current I ₁ [kA]	Minimum breaking current I ₃ [A]	Pre-arcing I ² t [A ² s]	Total I ² t @ 0.87U _n [A ² s]	Power loss [W]	Cold resistance [mΩ]
L1=254mm M=1/2"UNC									
6.3	3038626.6.3	2.5 / 63.5	2.5	63	—	45	—	330	21
10	3038626.10	2.5 / 63.5	2.5	63	—	75	—	500	38
16	3038626.16	2.5 / 63.5	2.5	63	—	250	—	1 800	37
20	3038626.20	2.5 / 63.5	2.5	63	—	640	—	4 300	40
25	3038626.25	2.5 / 63.5	2.5	63	—	1 050	—	6 700	56
31.5	3038626.31.5	2.5 / 63.5	2.5	63	—	1 700	—	10 800	65
40	3038626.40	2.5 / 63.5	2.5	63	—	2 900	—	17 100	84
L1=359mm M=1/2"UNC									
50	3038926.50	2.5 / 63.5	2.9	63	—	5 700	—	29 700	101
63	3038926.63	2.5 / 63.5	2.9	63	—	10 700	—	59 400	106
80	3038926.80	2.5 / 63.5	2.9	63	—	21 000	—	126 000	137
L1=254mm M=M16									
6.3	3040726.6.3	2.5 / 63.5	2.5	63	—	45	—	330	21
10	3040726.10	2.5 / 63.5	2.5	63	—	75	—	500	38
16	3040726.16	2.5 / 63.5	2.5	63	—	250	—	1 800	37
20	3040726.20	2.5 / 63.5	2.5	63	—	640	—	4 300	40
25	3040726.25	2.5 / 63.5	2.5	63	—	1 050	—	6 700	56
31.5	3040726.31.5	2.5 / 63.5	2.5	63	—	1 700	—	10 800	65
40	3040726.40	2.5 / 63.5	2.5	63	—	2 900	—	17 100	84
L1=359mm M=M16									
50	3040826.50	2.5 / 63.5	2.9	63	—	5 700	—	29 700	101
63	3040826.63	2.5 / 63.5	2.9	63	—	10 700	—	59 400	106
80	3040826.80	2.5 / 63.5	2.9	63	—	21 000	—	126 000	137
L1=254mm									
6.3	3041426.6.3	2.5 / 63.5	2.5	63	—	45	—	330	21
10	3041426.10	2.5 / 63.5	2.5	63	—	75	—	500	38
16	3041426.16	2.5 / 63.5	2.5	63	—	250	—	1 800	37
20	3041426.20	2.5 / 63.5	2.5	63	—	640	—	4 300	40
25	3041426.25	2.5 / 63.5	2.5	63	—	1 050	—	6 700	56
31.5	3041426.31.5	2.5 / 63.5	2.5	63	—	1 700	—	10 800	65
40	3041426.40	2.5 / 63.5	2.5	63	—	2 900	—	17 100	84
L1=359mm									
50	3041526.50	2.5 / 63.5	2.9	63	—	5 700	—	29 700	101
63	3041526.63	2.5 / 63.5	2.9	63	—	10 700	—	59 400	106
80	3041526.80	2.5 / 63.5	2.9	63	—	21 000	—	126 000	137



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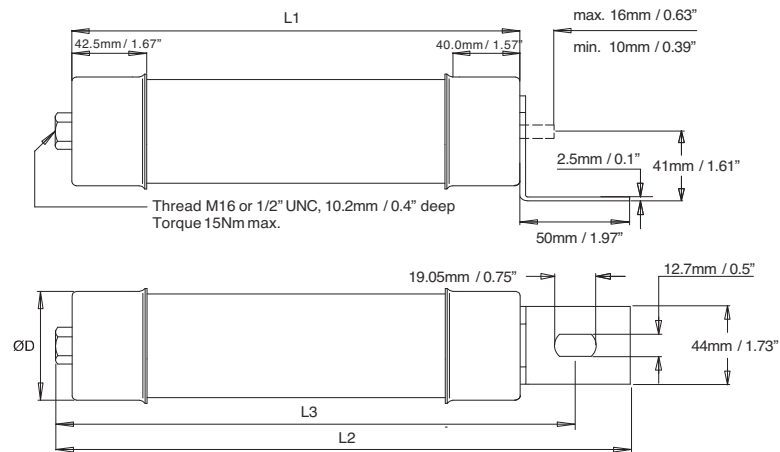
29 Fairfield Place

West Caldwell, New Jersey 07006

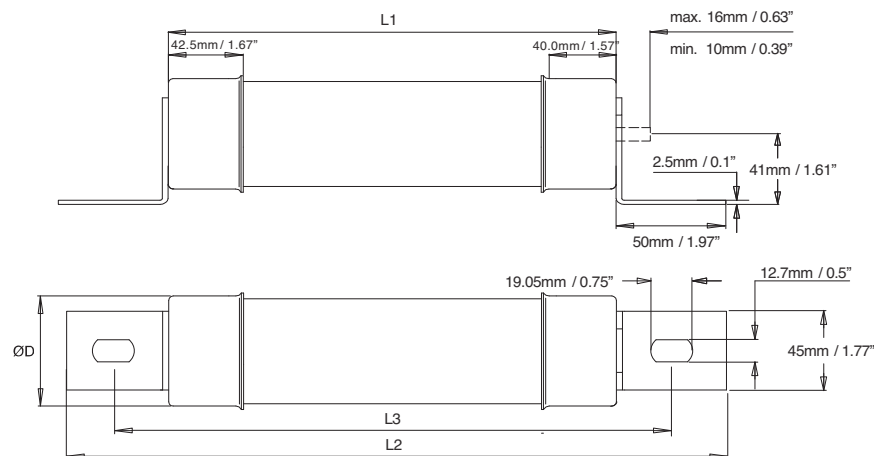
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portal: www.siballc.nete-mail: info@sibafuse.com

HHA-BC**15.5kV- Rated Voltage[U_n]****High Voltage Current-Limiting Fuses****Capacitor Applications****Standard(s)****IEC 60282-1****L1=254mm/359mm, 1/2" UNC - L Bracket with Striker - 50N****L1=254mm/359mm, M16 - L Bracket****Class****L1=254mm/359mm, 2-L Brackets****Back-Up**

Dimensions [in/mm]		
3038626		3038926
3040726		3040826
10.00 / 254	L1	14.13 / 359
12.40 / 315	L2	16.53 / 420
11.42 / 290	L3	15.55 / 395



Dimensions [in/mm]		
3041426		3041526
10.00 / 254	L1	14.13 / 359
13.94 / 354	L2	18.07 / 459
11.97 / 304	L3	16.10 / 409

Accessories

Article Description			Page(s)
Microswitch 3100210			187
Microswitch mounting bracket	9990003	Contact SIBA	

HHA-BC

Time-Current Characteristics - Minimum Melting and Total Clearing

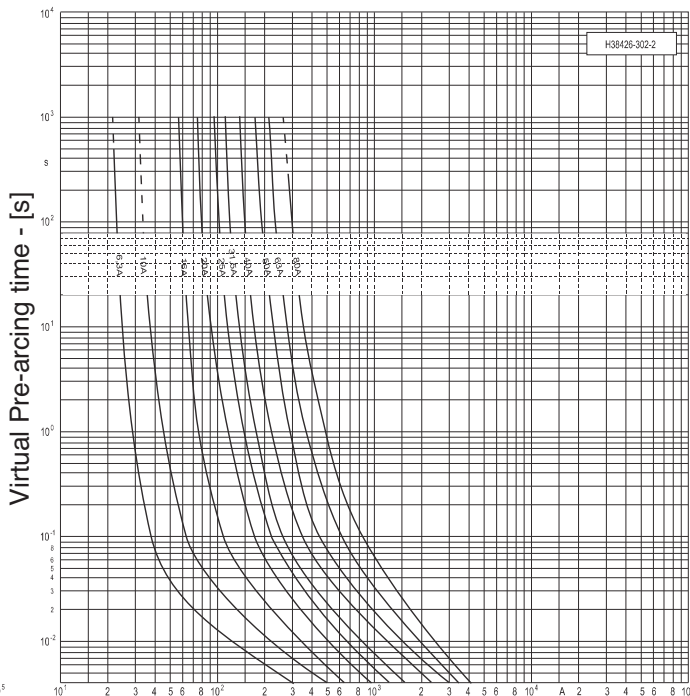
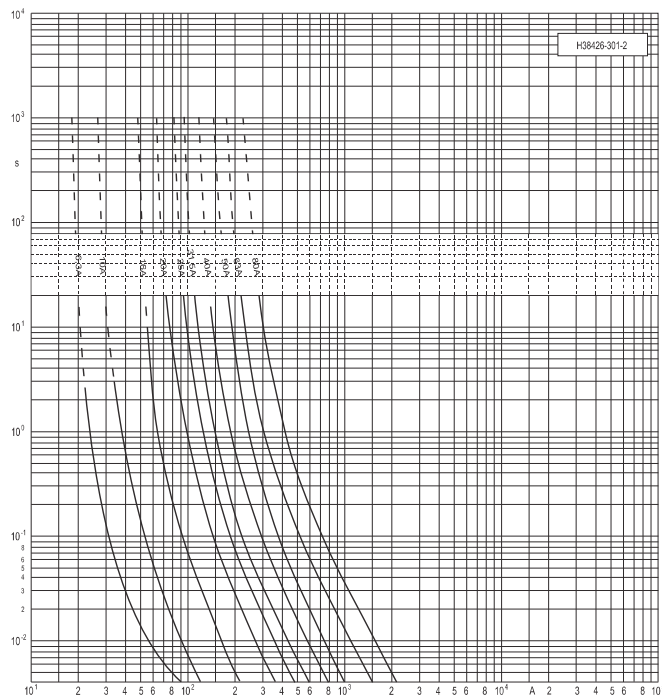
Cut-Off Current Diagram

Current-Limiting, Back-Up, 15.5kV, L1 = 254mm/359mm (6.3A - 80A)

3038626.6.3 - 40, 3038926.50 - 80, 3040726.6.3 - 40, 3040826.50 - 80, 3041426.6.3 - 40, 3041526.50 - 80

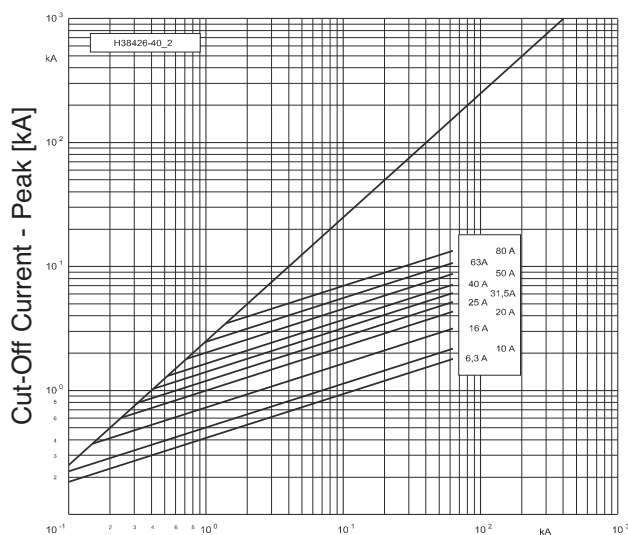
Minimum Melting

Total Clearing



R.M.S. Prospective Current [A]

Cut-Off Current



Prospective Short Circuit Current [kA] - (Symmetrical r.m.s.)

Full size graphs available upon request.

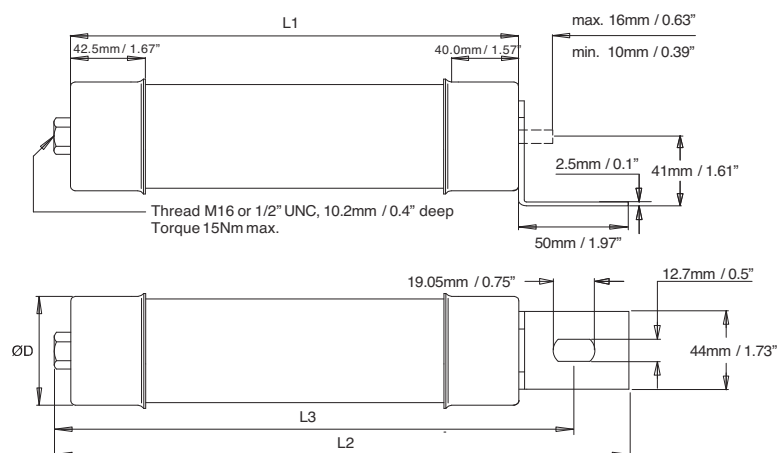
SIBA LLC

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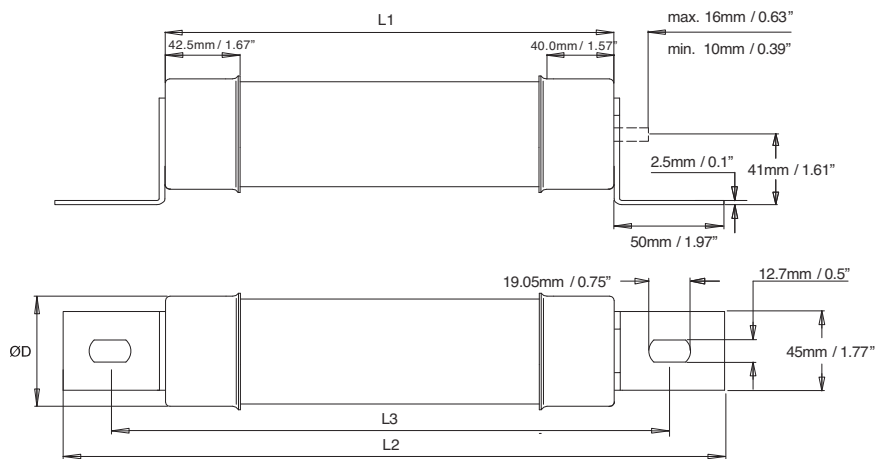
High Voltage Current-Limiting Fuses Capacitor Applications with Striker - 50N Class Back-Up										
Standard(s) IEC 60282-1										
HHa-BC 23kV- Rated Voltage[U_n] L1=359mm, 1/2"UNC - L Bracket L1=359mm, M16 - L Bracket L1=359mm, 2 - L Brackets										
Rated current I _n [A]	Article Number	Diameter D [in/mm]	Weight [kg/l]	Rated breaking current I ₁ [kA]	Minimum breaking current I ₃ [A]	Pre-arcing I ² t _p [A ² s]	Total I ² t @ 0.87U _n [A ² s]	Power loss [W]	Cold resistance [mΩ]	
L1=359mm M=1/2"UNC										
6.3	3039026.6.3	2.5 / 63.5	2.9	63	—	45	—	330	31	—
10	3039026.10	2.5 / 63.5	2.9	63	—	75	—	500	57	—
16	3039026.16	2.5 / 63.5	2.9	63	—	250	—	1 800	56	—
20	3039026.20	2.5 / 63.5	2.9	63	—	640	—	4 300	60	—
25	3039026.25	2.5 / 63.5	2.9	63	—	1 050	—	6 700	84	—
31.5	3039026.31.5	2.5 / 63.5	2.9	63	—	1 700	—	10 800	95	—
40	3039026.40	2.5 / 63.5	2.9	63	—	2 900	—	17 100	125	—
50	3039026.50	2.5 / 63.5	2.9	63	—	5 700	—	29 700	151	—
L1=359mm M=M16										
6.3	3040926.6.3	2.5 / 63.5	2.9	63	—	45	—	330	31	—
10	3040926.10	2.5 / 63.5	2.9	63	—	75	—	500	57	—
16	3040926.16	2.5 / 63.5	2.9	63	—	250	—	1 800	56	—
20	3040926.20	2.5 / 63.5	2.9	63	—	640	—	4 300	60	—
25	3040926.25	2.5 / 63.5	2.9	63	—	1 050	—	6 700	84	—
31.5	3040926.31.5	2.5 / 63.5	2.9	63	—	1 700	—	10 800	95	—
40	3040926.40	2.5 / 63.5	2.9	63	—	2 900	—	17 100	125	—
50	3040926.50	2.5 / 63.5	2.9	63	—	5 700	—	29 700	151	—
2L-Bracket, L1=359mm										
6.3	3041626.6.3	2.5 / 63.5	2.9	63	—	45	—	330	31	—
10	3041626.10	2.5 / 63.5	2.9	63	—	75	—	500	57	—
16	3041626.16	2.5 / 63.5	2.9	63	—	250	—	1 800	56	—
20	3041626.20	2.5 / 63.5	2.9	63	—	640	—	4 300	60	—
25	3041626.25	2.5 / 63.5	2.9	63	—	1 050	—	6 700	84	—
31.5	3041626.31.5	2.5 / 63.5	2.9	63	—	1 700	—	10 800	95	—
40	3041626.40	2.5 / 63.5	2.9	63	—	2 900	—	17 100	125	—
50	3041626.50	2.5 / 63.5	2.9	63	—	5 700	—	29 700	151	—

New - also available in 63A;
 1/2"-13 - 1/2"-13 UNC, w/o indicator, PN 3035521.63
 and
 M16 - L Bracket , w/ 50N indicator, PN 3093521.63
 Contact SIBA for data sheets



HHA-BC**23kV- Rated Voltage[U_n]****L1=359mm, 1/2"UNC - L Bracket****L1=359mm, M16 - L Bracket****L1=359mm, 2 - L Brackets****High Voltage Current-Limiting Fuses****Capacitor Applications****with Striker - 50N****Class****Back-Up****Standard(s)****IEC 60282-1**

Dimensions [in/mm]		
3039026		3040926
14.13 / 359	L1	14.13 / 359
16.53 / 420	L2	16.53 / 420
15.55 / 395	L3	15.55 / 395



Dimensions [in/mm]		
3041426		
14.13 / 359	L1	
16.53 / 420	L2	
15.55 / 395	L3	

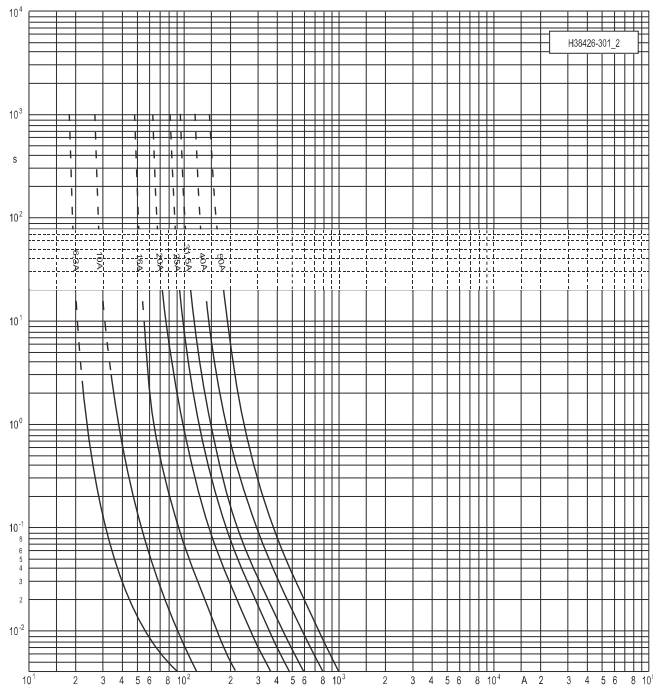
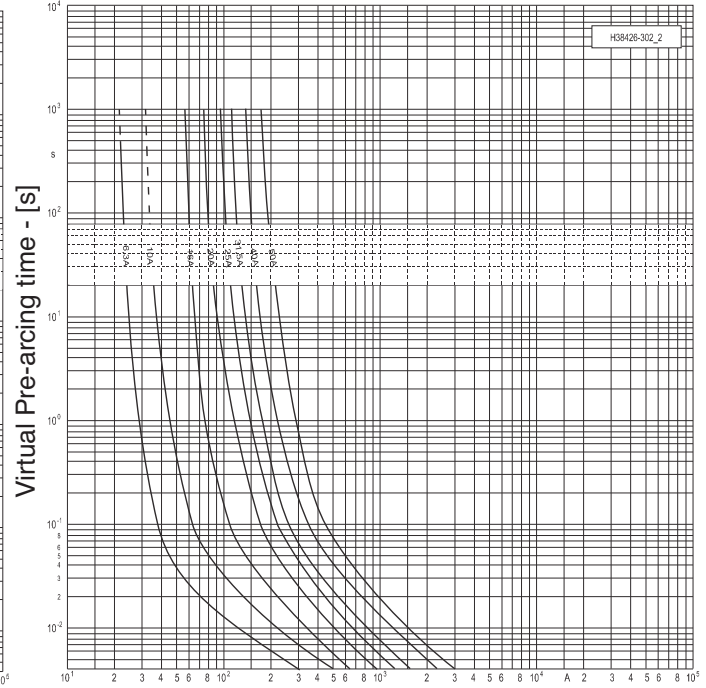
Accessories

Article Description			Page(s)
Microswitch 3100210			187
Microswitch mounting bracket	9990003		Contact SIBA

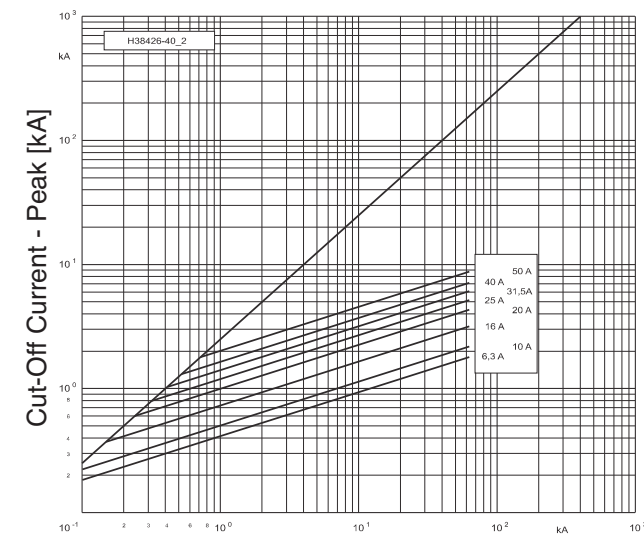
HHA-BC

**Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
Current-Limiting, Back-Up, 23kV, L1 = 359mm (25A - 50A)**

30390 26.6.3 - 50, 30409 26.6.3 - 50, 30416 26.6.3 - 50

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

Prospective Short Circuit Current [kA] - (Symmetrical r.m.s.)

Full size graphs available upon request.