

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					M16		
3035721.125 - 160	94	3035821.200 - 250	94					
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]

High Voltage Current-Limiting Fuses

Capacitor Applications

with out Striker

Class

Back-Up

Standard(s)

IEC 60282-1

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

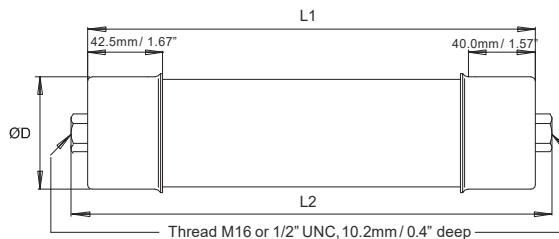
L1=254/359mm, M16



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 ² t [A ² s]	Total I ² t @ 0.87U _n		Power loss [W]	Cold resistance [mΩ]
		D								
		[in/mm]					[A ² s]	[A ² s]		
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



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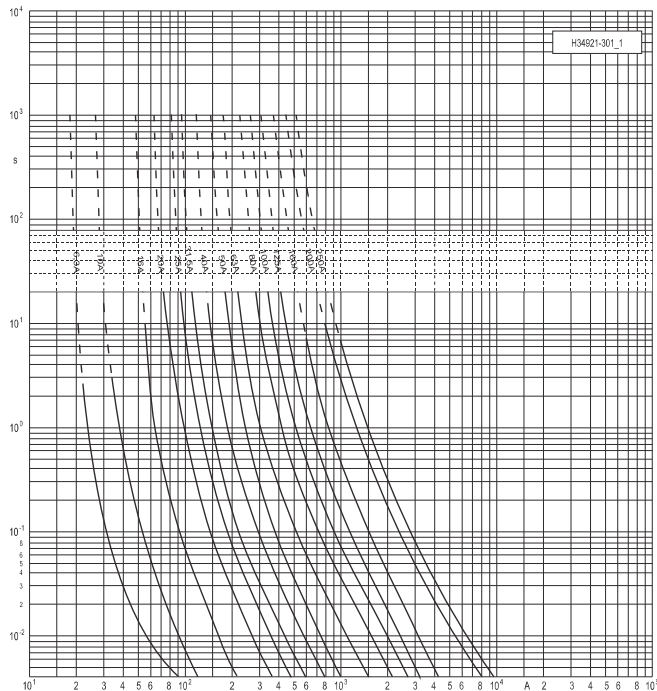
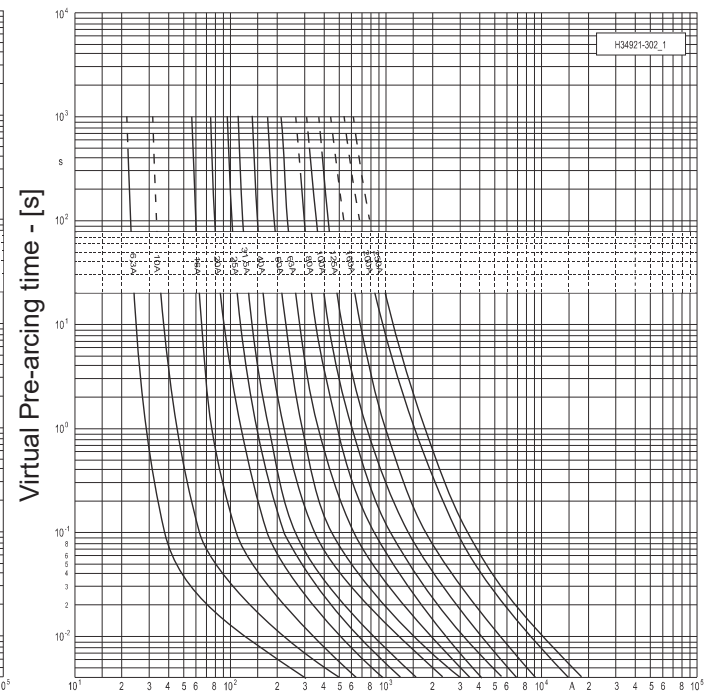
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HHA-BC

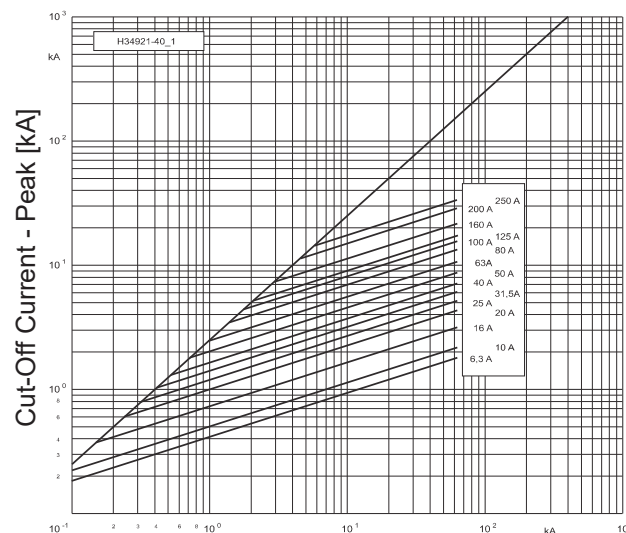
Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
Current-Limiting, Back-Up, 4.8kV, L1 = 254mm/359mm (6A - 250A)

3034921.6.3 - 100, 3035021.125 - 160, 3035121.200 - 250

3035621.6.3 - 100, 3035721.125 - 160, 30 35821.200 - 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

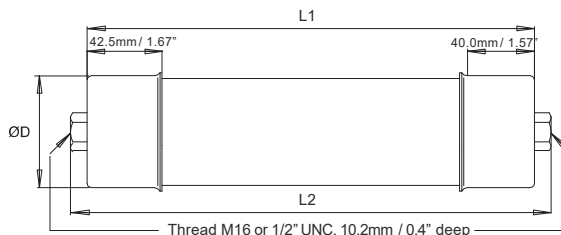
L1=254/359mm, M16



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 ² t [A ² s]	Total I ² t @ 0.87U _n		Power loss [W]	Cold resistance [mΩ]
		D								
		[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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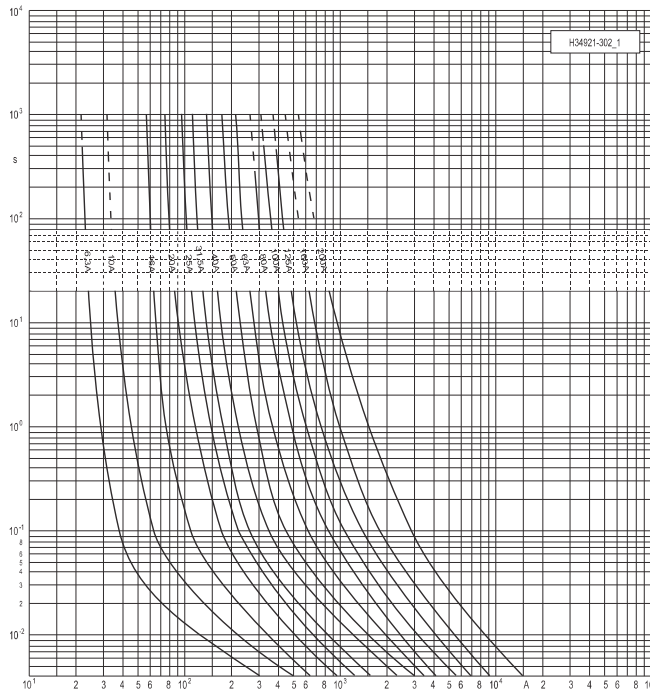
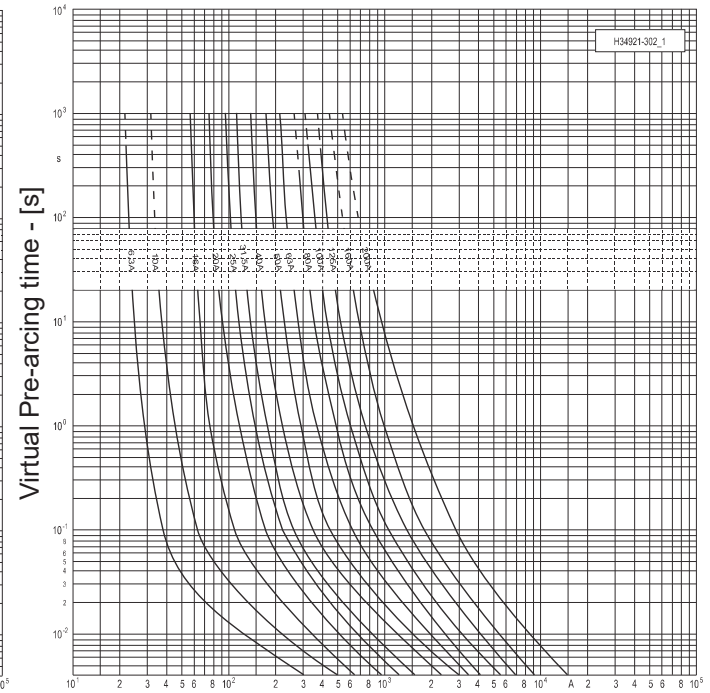
 29 Fairfield Place
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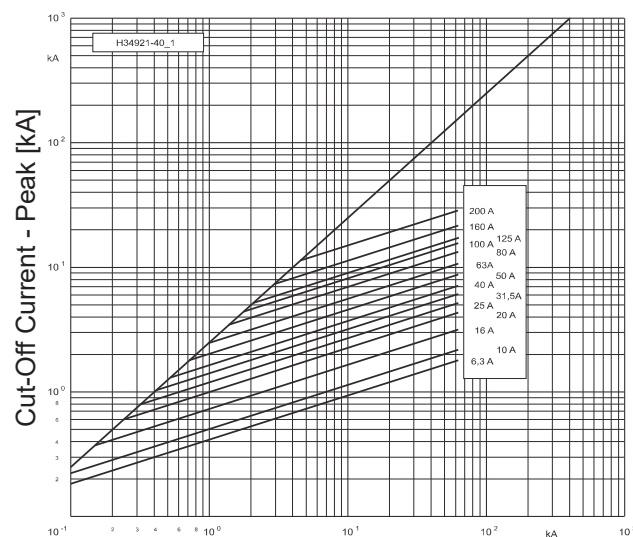
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HHA-BC Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
Current-Limiting, Back-Up, 7.2kV, L1 = 254mm/359mm (6.3A - 200A)

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

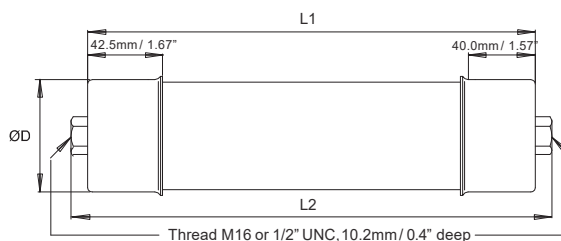
L1=359mm, M16



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					0.87U _n			
		[in/mm]					[A ² s]	[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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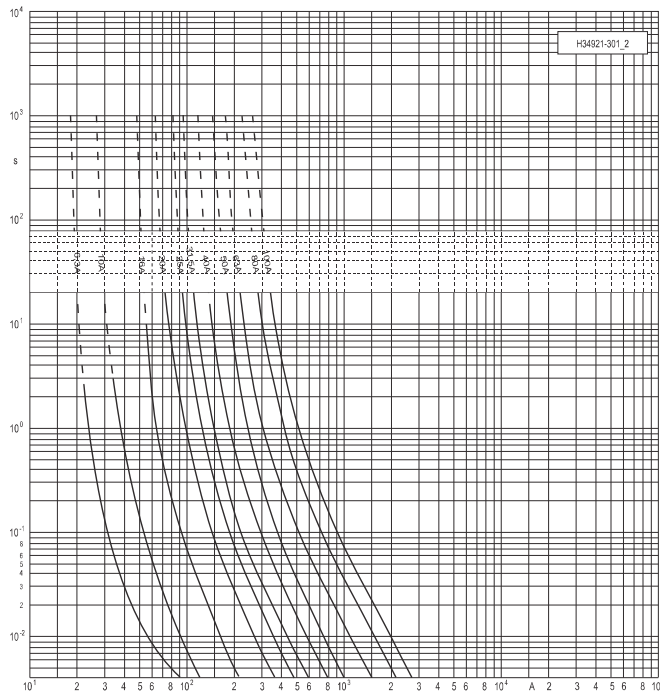
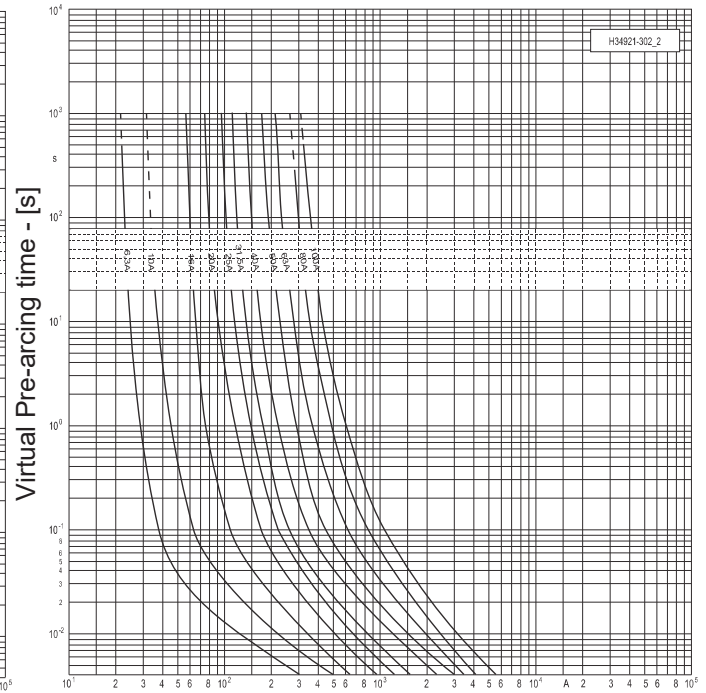
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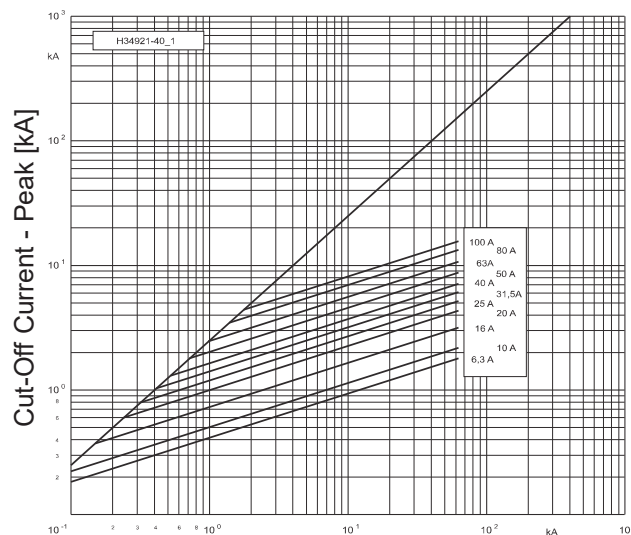
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**HHA-BC Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
Current-Limiting, Back-Up, 15.5kV, L1 = 359mm (6.3A - 100A)**

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 [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	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

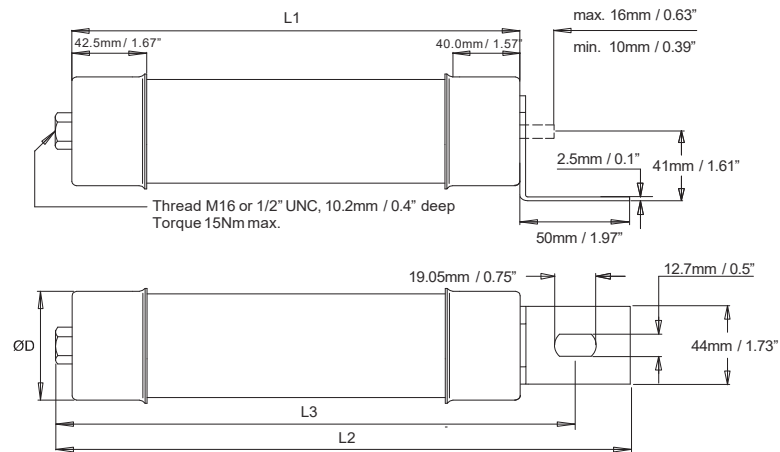


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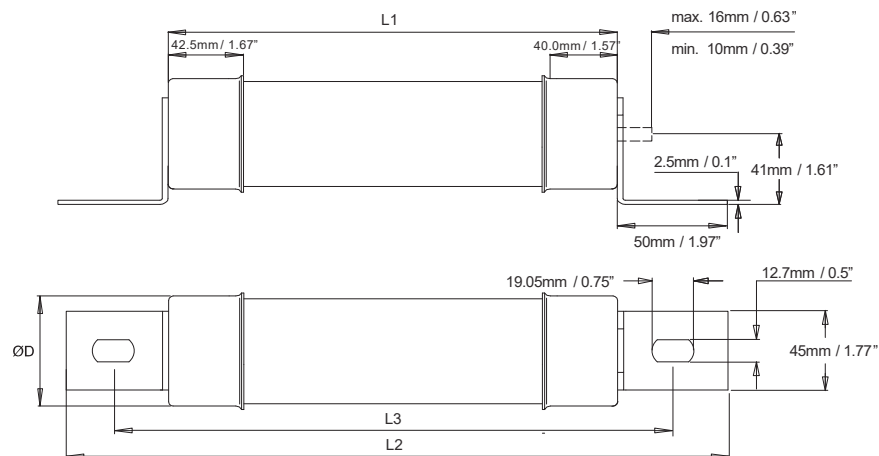
29 Fairfield Place

West Caldwell, New Jersey 07006

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

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



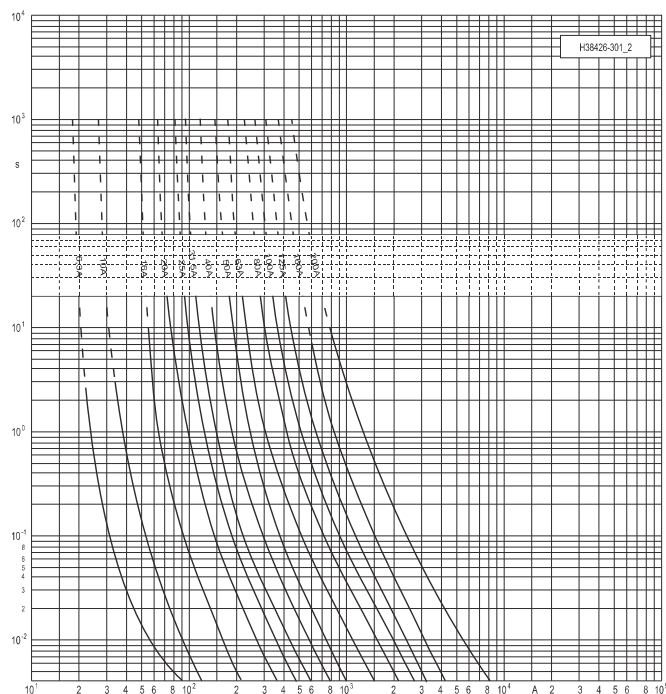
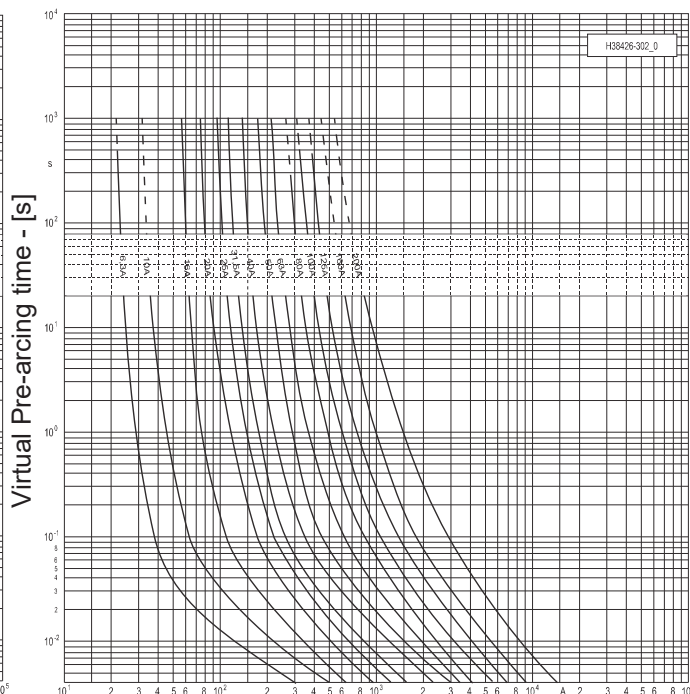
Dimensions [in/mm]		
3041026		3041326
10.00 / 254	L1	14.13 / 359
12.40 / 315	L2	16.53 / 420
11.42 / 290	L3	15.55 / 395

Accessories

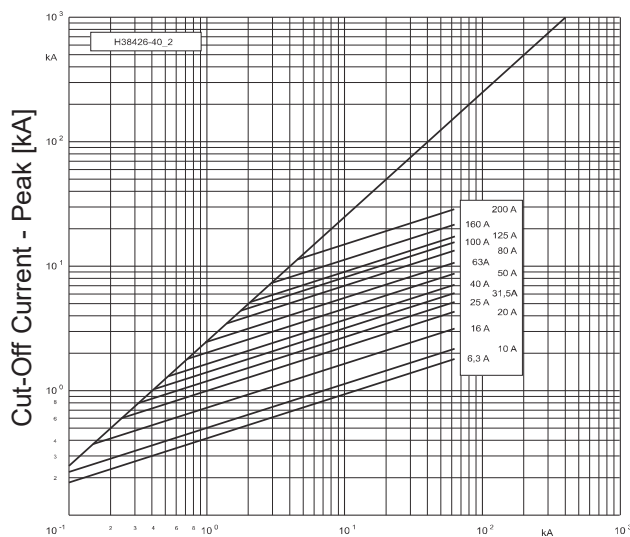
Article Description			Page(s)
Microswitch	3100210		187
Microswitch mouting bracket	9990003	Contact SIBA	

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.

SIBA LLC29 Fairfield Place
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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**

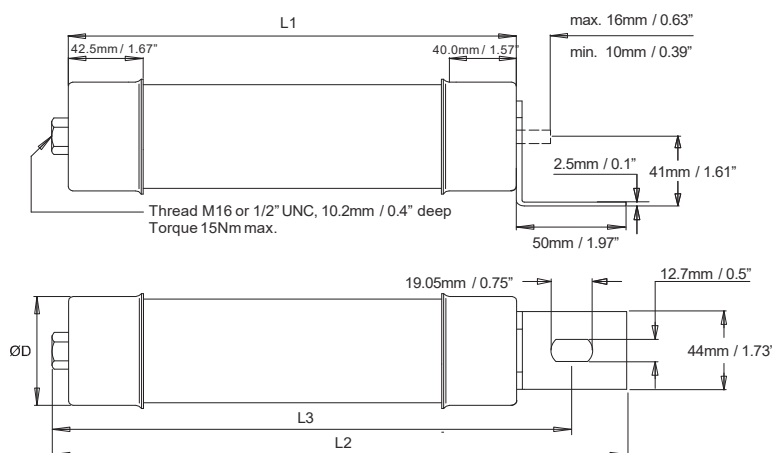
Rated current I _n [A]	Article Number	Diameter D [in/mm]	Weight [kg/l]	Rated breaking current I ₁ [kA]	Minimum breaking current I ₃ [A]	Pre-arcing I ² t [A ² s]	Total I ² t @ 0.87U _n [A ² s]	Power loss [W]	Cold resistance [mΩ]
L1=254mm M=1/2"UNC									
6.3	3038726.6.3	2.5 / 63.5	2.5	63	—	45	—	330	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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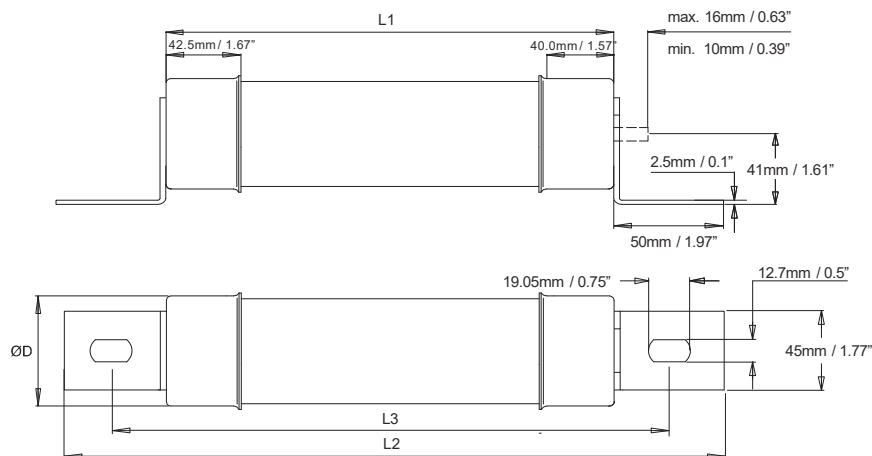
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HHA-BC**8.3kV- Rated Voltage[U_n]****L1=254mm/359mm, 1/2"UNC - L Bracket with Striker - 50N****L1=359mm, M16 - L Bracket****L1=254mm/359mm, 2-L Brackets****High Voltage Current-Limiting Fuses****Capacitor Applications****Class****Back-Up****Standard(s)****IEC 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	

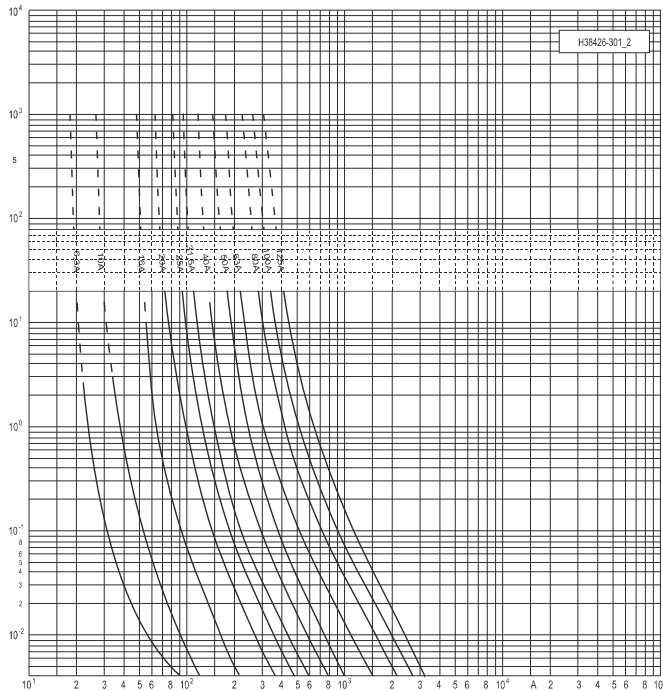
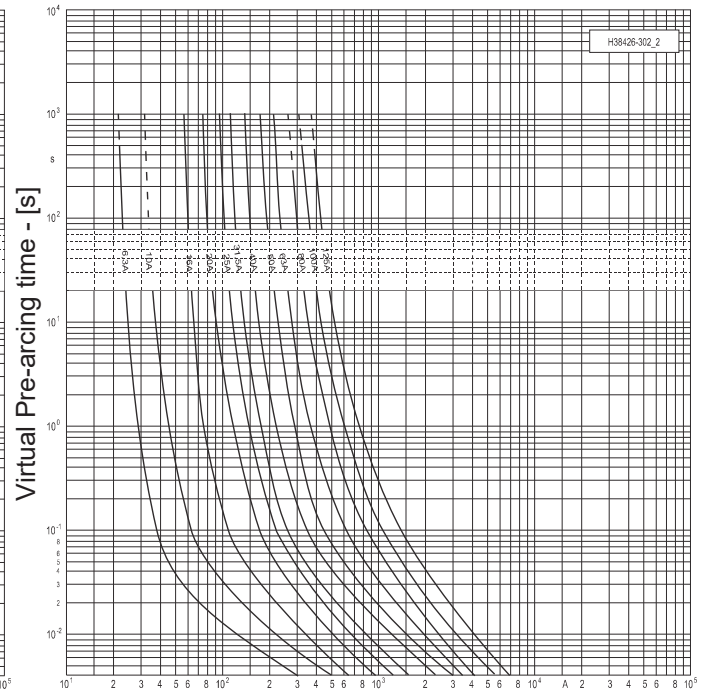
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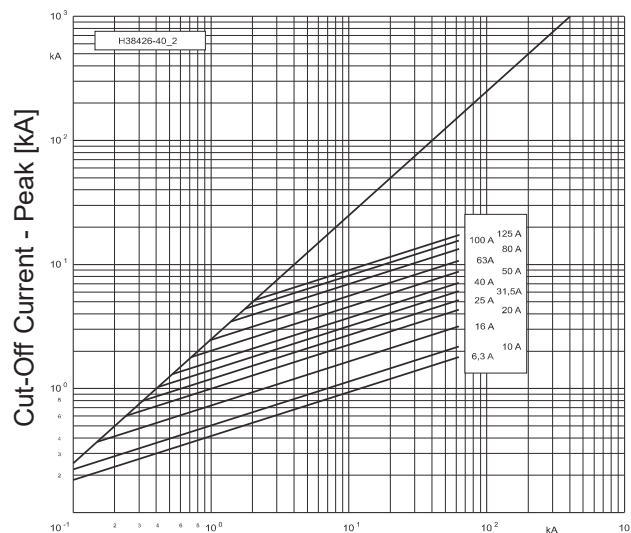
portal: www.siballc.net
e-mail: info@sibafuse.com

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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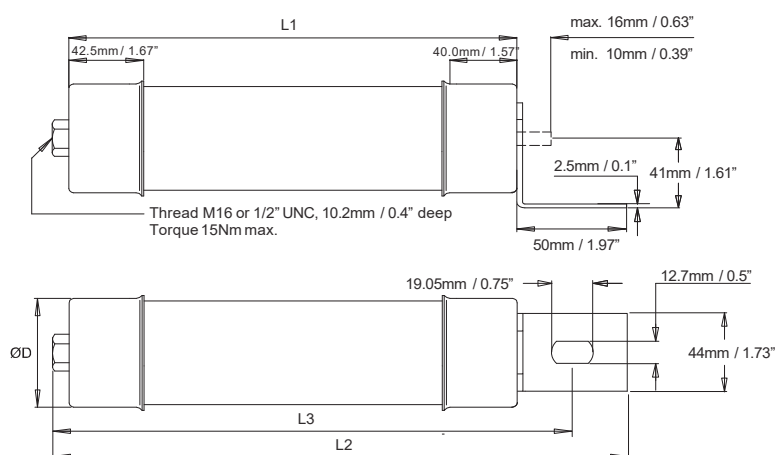
29 Fairfield Place

West Caldwell, New Jersey 07006

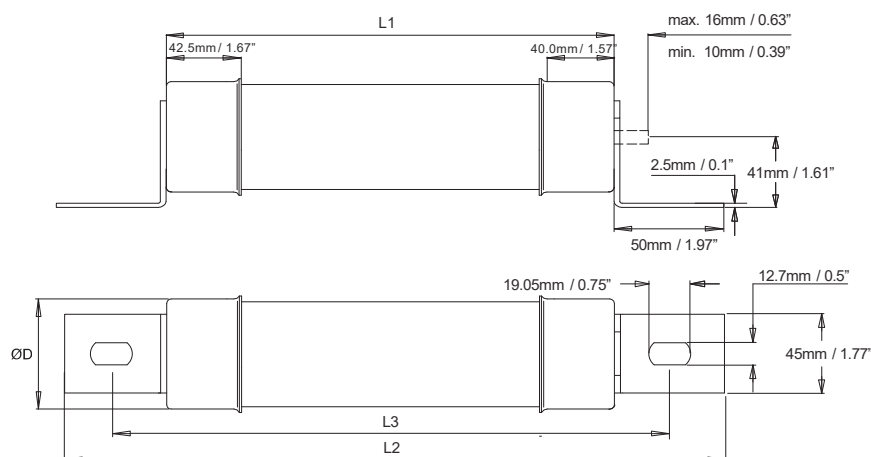
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portal: www.siballc.nete-mail: info@sibafuse.com

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



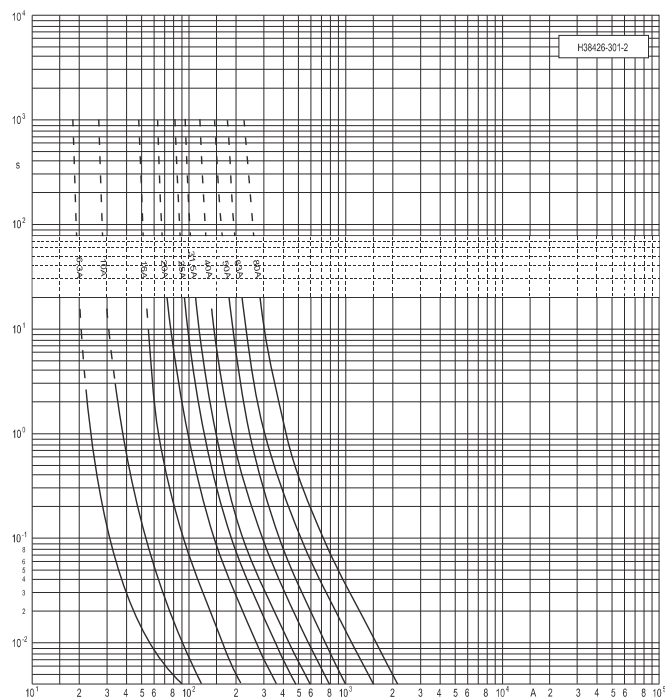
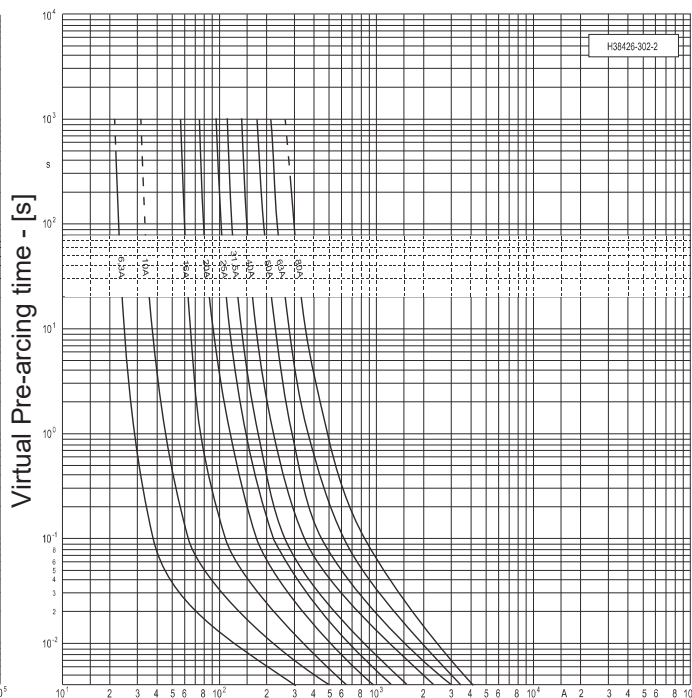
Dimensions [in/mm]		
3041426		3041526
10.00 / 254	L1	14.13 / 359
13.94 / 354	L2	18.07 / 459
11.97 / 304	L3	16.10 / 409

Accessories

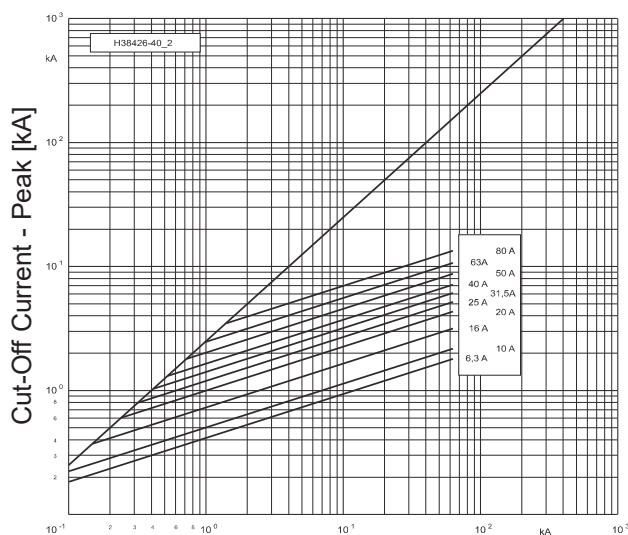
Article Description			Page(s)
Microswitch 3100210			187
Microswitch mounting bracket	9990003	Contact SIBA	

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.

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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 [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

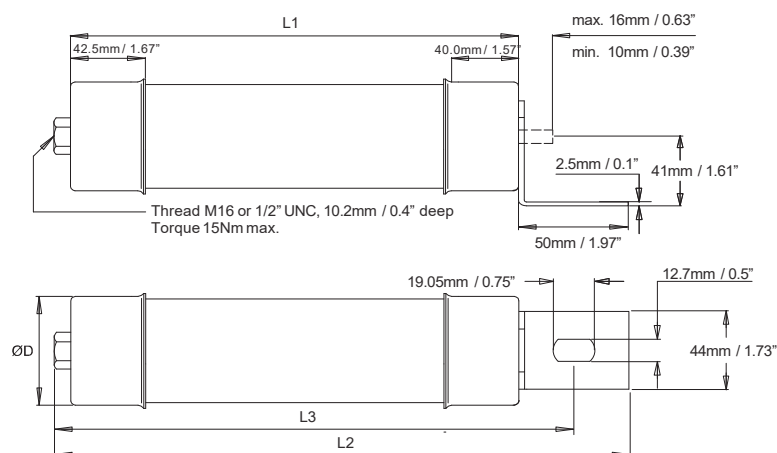
with Striker - 50N

Class

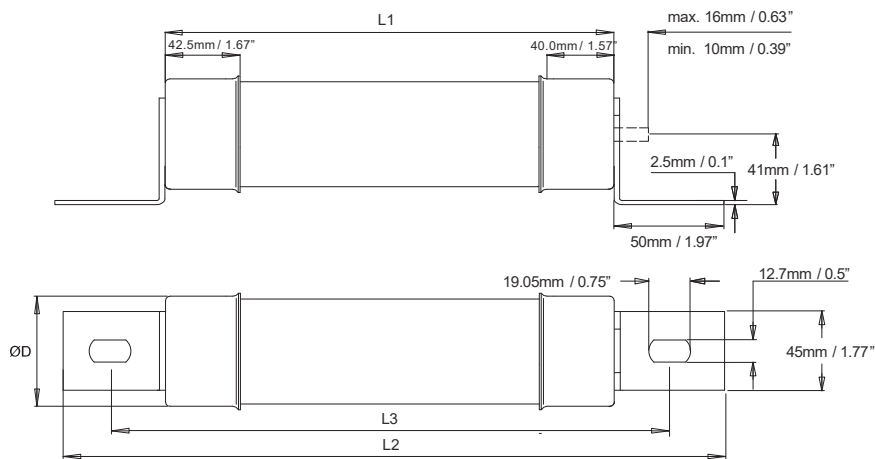
Back-Up

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	

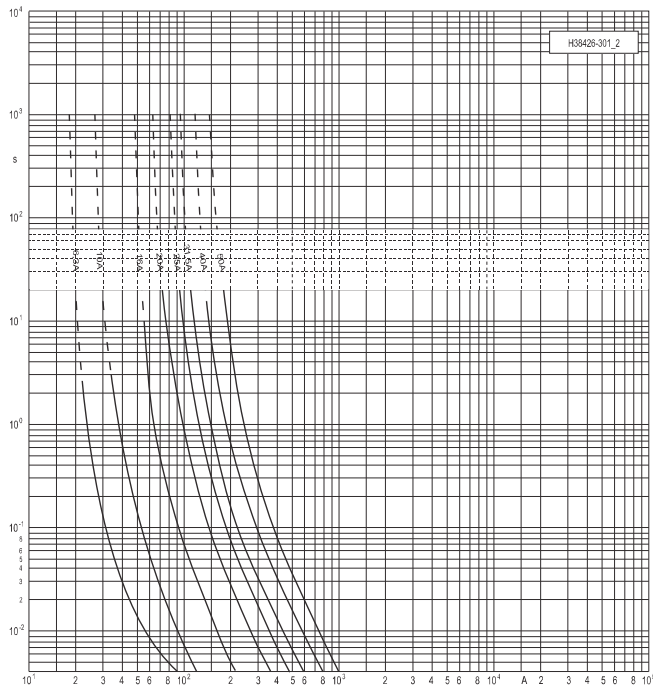
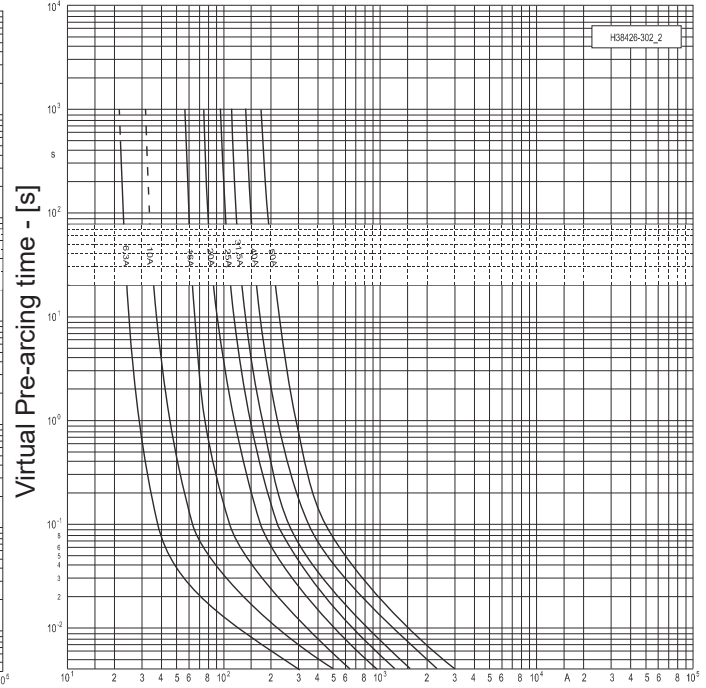
Accessories

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

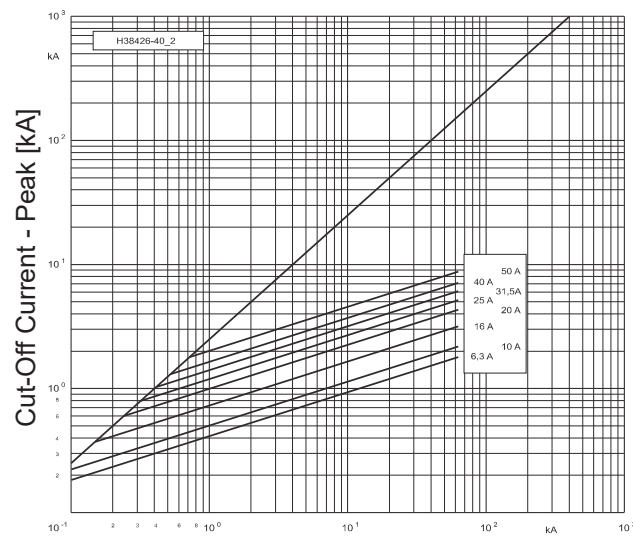
HHA-BC

**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.