

# HHA-BC

High Voltage Fuses According to US Standard



## 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,  $\frac{1}{2}$ "UNC or M16
- L-bracket, one end w/50N striker, threaded, tapped other end,  $\frac{1}{2}$ "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.

## 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 | 106  |                   |      |  |  | 1/2" UNC             |  |  |
| 3035021.125 - 160 | 106  | 3035121.200 -250  | 106  |  |  |                      |  |  |
| 3035621.6.3 - 100 | 106  |                   |      |  |  | M16                  |  |  |
| 3035721.125 - 160 | 106  | 3035821.200 -250  | 106  |  |  |                      |  |  |
| 7.2kV             |      |                   |      |  |  |                      |  |  |
| 3035221.6.3 - 100 | 108  | 3035321.125 - 200 | 108  |  |  | 1/2" UNC             |  |  |
| 3035921.6.3 - 100 | 108  | 3036021.125 - 200 | 108  |  |  | M16                  |  |  |
| 15.5kV            |      |                   |      |  |  |                      |  |  |
|                   |      | 3035421.6.3 - 100 | 110  |  |  | 1/2" UNC             |  |  |
|                   |      | 3036121.6.3 - 100 | 110  |  |  | M16                  |  |  |
| 5.5kV             |      |                   |      |  |  |                      |  |  |
| 3038426.6.3 - 125 | 112  | 3038526.160 - 200 | 112  |  |  | 1/2" UNC - L Bracket |  |  |
| 3040426.6.3 - 125 | 112  | 3040526.160 - 200 | 112  |  |  | M16- L Bracket       |  |  |
| 3041026.50 - 125  | 114  | 3041026.160       | 114  |  |  | L-Bracket            |  |  |
| 8.3kV             |      |                   |      |  |  |                      |  |  |
| 3038726.6.3 - 40  | 116  | 3038826.50 - 125  | 116  |  |  | 1/2" UNC - L Bracket |  |  |
|                   |      | 3040626.50 - 125  | 116  |  |  | M16- L Bracket       |  |  |
| 3041126.50 - 125  | 118  | 3041226.50 - 125  | 118  |  |  | L-Bracket            |  |  |
| 15.5kV            |      |                   |      |  |  |                      |  |  |
| 3038626.6.3 - 40  | 120  | 3038926.50 - 80   | 120  |  |  | 1/2" UNC - L Bracket |  |  |
| 3040726.6.3 - 40  | 120  | 3040826.50 - 80   | 120  |  |  | M16- L Bracket       |  |  |
| 3041426.6.3 - 40  | 122  | 3041526.50 - 80   | 122  |  |  | L-Bracket            |  |  |
| 23kV              |      |                   |      |  |  |                      |  |  |
|                   |      | 3039026.6.3 - 50  | 124  |  |  | 1/2" UNC - L Bracket |  |  |
|                   |      | 3040926.6.3 - 50  | 124  |  |  | M16- L Bracket       |  |  |
|                   |      | 3041626.6.3 - 50  | 124  |  |  | L-Bracket            |  |  |

## HHA-BC

4.8kV - Rated Voltage[U<sub>n</sub>]

## High Voltage Current-Limiting Fuses

Capacitor Applications  
with out Striker

Standard(s)

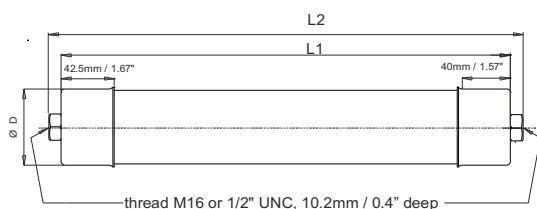
IEC 60282-1

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

Size L1=254/359mm, M16

Class  
Back-Up

| Rated<br>Current<br>$I_n$<br>[A] | Article Number | Diameter<br><br>D | Weight<br><br>[kg/l] | Rated<br>Breaking<br>Current $I_1$<br>[kA] | Minimum<br>Breaking<br>Current $I_3$<br>[A] | Pre-arcing<br>$I^2t$<br>[A <sup>2</sup> s] | Total<br>$I^2t$ @<br><br>$U_n$ |                    | Power<br>Loss<br>[W] | Cold<br>Resistance<br>[mΩ] |
|----------------------------------|----------------|-------------------|----------------------|--------------------------------------------|---------------------------------------------|--------------------------------------------|--------------------------------|--------------------|----------------------|----------------------------|
|                                  |                | [in/mm]           |                      |                                            |                                             |                                            | [A <sup>2</sup> s]             | [A <sup>2</sup> 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                                         | 1000                                        | 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                                         | 1000                                        | 371 000                                    | —                              | 892 000            | 161                  | —                          |



| Dimensions<br>[in/mm] |    |             |
|-----------------------|----|-------------|
| 10.00 / 254           | L1 | 14.13 / 359 |
| 10.75 / 273           | L2 | 14.88 / 378 |

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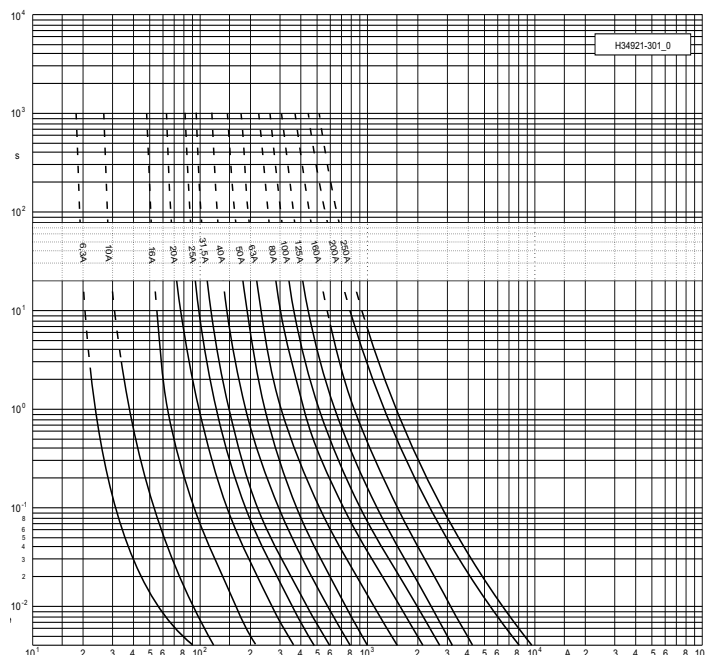
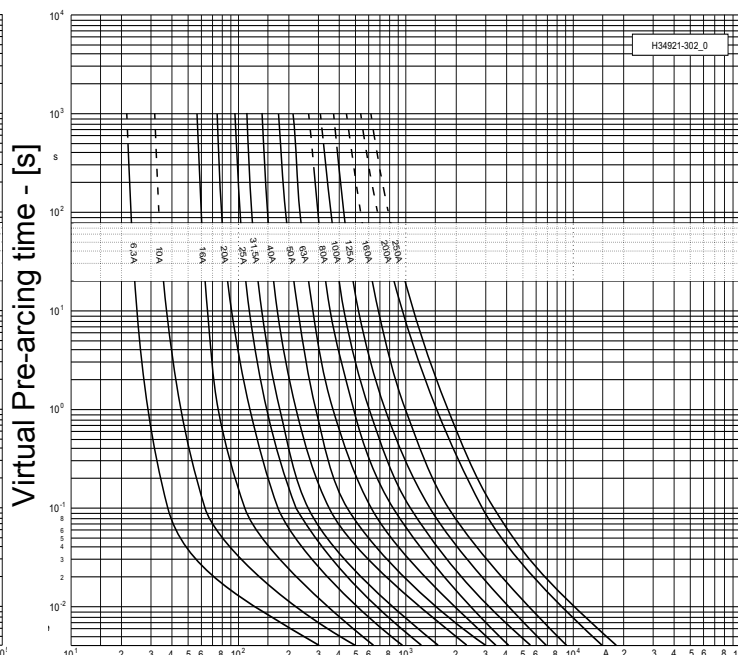
e-mail: info@sibafuse.com

www.siba-fuses.us

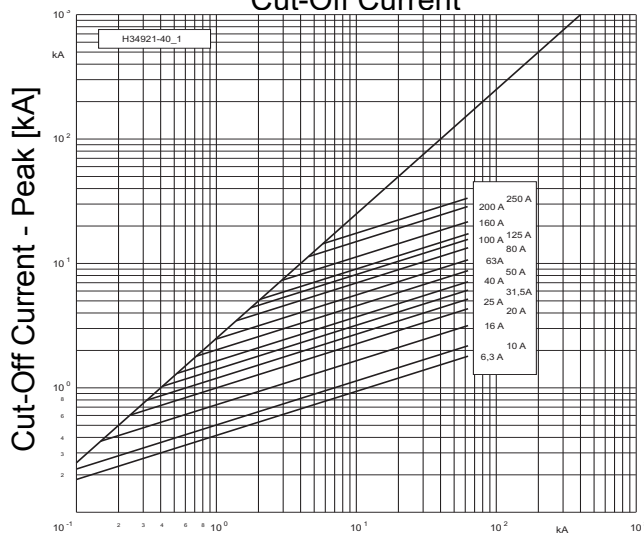
**HHA-BC Time-Current Characteristics - Minimum Melting and Total Clearing  
 Cut-Off Current Diagram**
**Current-Limiting, Back-Up, 4.8kV, L1 = 254mm/359mm (6A -**

3034926.6.3 - 100, 3035026.125 -160, 3035126.200 -250

3035626.6.3 - 100, 3035726.125 -160, 3035826.200 -250

**Minimum Melting**

**Total Clearing**


R.M.S. Prospective Current [A]

**Cut-Off Current**


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

## HHA-BC

7.2kV - Rated Voltage[U<sub>n</sub>]

## High Voltage Current-Limiting Fuses

Capacitor Applications  
with out Striker

Standard(s)

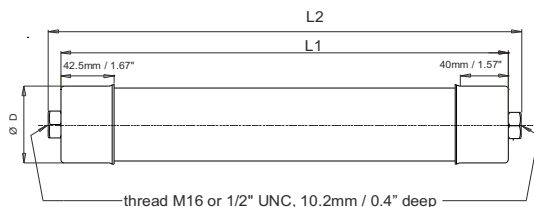
IEC 60282-1

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

Size L1=254/359mm, M16

Class  
Back-Up

| Rated Current<br>$I_n$<br>[A] | Article Number | Diameter<br><b>D</b> | Weight<br>[kg/l] | Rated Breaking Current $I_1$<br>[kA] | Minimum Breaking Current $I_3$<br>[A] | Pre-arcing $I^2t$<br>[A <sup>2</sup> s] | Total $I^2t$ @ $U_n$ |                    | Power Loss<br>[W] | Cold Resistance<br>[mΩ] |
|-------------------------------|----------------|----------------------|------------------|--------------------------------------|---------------------------------------|-----------------------------------------|----------------------|--------------------|-------------------|-------------------------|
|                               |                | [in/mm]              |                  |                                      |                                       |                                         | [A <sup>2</sup> s]   | [A <sup>2</sup> s] |                   |                         |
| L1=254mm M=1/2"UNC            |                |                      |                  |                                      |                                       |                                         |                      |                    |                   |                         |
| 6.3                           | 3035221.6.3    | 2.5 / 63.5           | 2.0              | 63                                   | 22                                    | 45                                      | —                    | 330                | 16                | —                       |
| 10                            | 3035221.10     | 2.5 / 63.5           | 2.0              | 63                                   | 34                                    | 75                                      | —                    | 500                | 22                | —                       |
| 16                            | 3035221.16     | 2.5 / 63.5           | 2.0              | 63                                   | 56                                    | 250                                     | —                    | 1 800              | 19                | —                       |
| 20                            | 3035221.20     | 2.5 / 63.5           | 2.0              | 63                                   | 70                                    | 640                                     | —                    | 4 300              | 26                | —                       |
| 25                            | 3035221.25     | 2.5 / 63.5           | 2.0              | 63                                   | 90                                    | 1 050                                   | —                    | 6 700              | 24                | —                       |
| 31.5                          | 3035221.31.5   | 2.5 / 63.5           | 2.0              | 63                                   | 110                                   | 1 700                                   | —                    | 10 800             | 30                | —                       |
| 40                            | 3035221.40     | 2.5 / 63.5           | 2.0              | 63                                   | 140                                   | 2 900                                   | —                    | 17 100             | 39                | —                       |
| 50                            | 3035221.50     | 2.5 / 63.5           | 2.0              | 63                                   | 170                                   | 5 700                                   | —                    | 29 700             | 45                | —                       |
| 63                            | 3035221.63     | 2.5 / 63.5           | 2.0              | 63                                   | 210                                   | 10 700                                  | —                    | 59 400             | 55                | —                       |
| 80                            | 3035221.80     | 2.5 / 63.5           | 2.0              | 63                                   | 280                                   | 21 000                                  | —                    | 126 000            | 63                | —                       |
| 100                           | 3035221.100    | 2.5 / 63.5           | 2.0              | 63                                   | 320                                   | 33 000                                  | —                    | 189 000            | 82                | —                       |
| L1=359mm M=1/2"UNC            |                |                      |                  |                                      |                                       |                                         |                      |                    |                   |                         |
| 125                           | 3035321.125    | 3.00 / 76            | 3.9              | 63                                   | 390                                   | 47 000                                  | —                    | 351 000            | 117               | —                       |
| 160                           | 3035321.160    | 3.00 / 76            | 3.9              | 63                                   | 600                                   | 90 000                                  | —                    | 513 000            | 139               | —                       |
| 200                           | 3035321.200    | 3.00 / 76            | 3.9              | 50                                   | 800                                   | 230 000                                 | —                    | 634 000            | 154               | —                       |
| L1=254mm M=M16                |                |                      |                  |                                      |                                       |                                         |                      |                    |                   |                         |
| 6.3                           | 3035921.6.3    | 2.5 / 63.5           | 2.0              | 63                                   | 22                                    | 45                                      | —                    | 330                | 16                | —                       |
| 10                            | 3035921.10     | 2.5 / 63.5           | 2.0              | 63                                   | 34                                    | 75                                      | —                    | 500                | 22                | —                       |
| 16                            | 3035921.16     | 2.5 / 63.5           | 2.0              | 63                                   | 56                                    | 250                                     | —                    | 1 800              | 19                | —                       |
| 20                            | 3035921.20     | 2.5 / 63.5           | 2.0              | 63                                   | 70                                    | 640                                     | —                    | 4 300              | 26                | —                       |
| 25                            | 3035921.25     | 2.5 / 63.5           | 2.0              | 63                                   | 90                                    | 1 050                                   | —                    | 6 700              | 24                | —                       |
| 31.5                          | 3035921.31.5   | 2.5 / 63.5           | 2.0              | 63                                   | 110                                   | 1 700                                   | —                    | 10 800             | 30                | —                       |
| 40                            | 3035921.40     | 2.5 / 63.5           | 2.0              | 63                                   | 140                                   | 2 900                                   | —                    | 17 100             | 39                | —                       |
| 50                            | 3035921.50     | 2.5 / 63.5           | 2.0              | 63                                   | 170                                   | 5 700                                   | —                    | 29 700             | 45                | —                       |
| 63                            | 3035921.63     | 2.5 / 63.5           | 2.0              | 63                                   | 210                                   | 10 700                                  | —                    | 59 400             | 55                | —                       |
| 80                            | 3035921.80     | 2.5 / 63.5           | 2.0              | 63                                   | 280                                   | 21 000                                  | —                    | 126 000            | 63                | —                       |
| 100                           | 3035921.100    | 2.5 / 63.5           | 2.0              | 63                                   | 320                                   | 33 000                                  | —                    | 189 000            | 82                | —                       |
| L1=359mm M=M16                |                |                      |                  |                                      |                                       |                                         |                      |                    |                   |                         |
| 125                           | 3036021.125    | 3.00 / 76            | 3.9              | 63                                   | 390                                   | 47 000                                  | —                    | 351 000            | 117               | —                       |
| 160                           | 3036021.160    | 3.00 / 76            | 3.9              | 63                                   | 600                                   | 90 000                                  | —                    | 513 000            | 139               | —                       |
| 200                           | 3036021.200    | 3.00 / 76            | 3.9              | 50                                   | 800                                   | 230 000                                 | —                    | 634 000            | 154               | —                       |



| Dimensions<br>[in/mm] |           |             |
|-----------------------|-----------|-------------|
| 10.00 / 254           | <b>L1</b> | 14.13 / 359 |
| 10.75 / 273           | <b>L2</b> | 14.88 / 378 |

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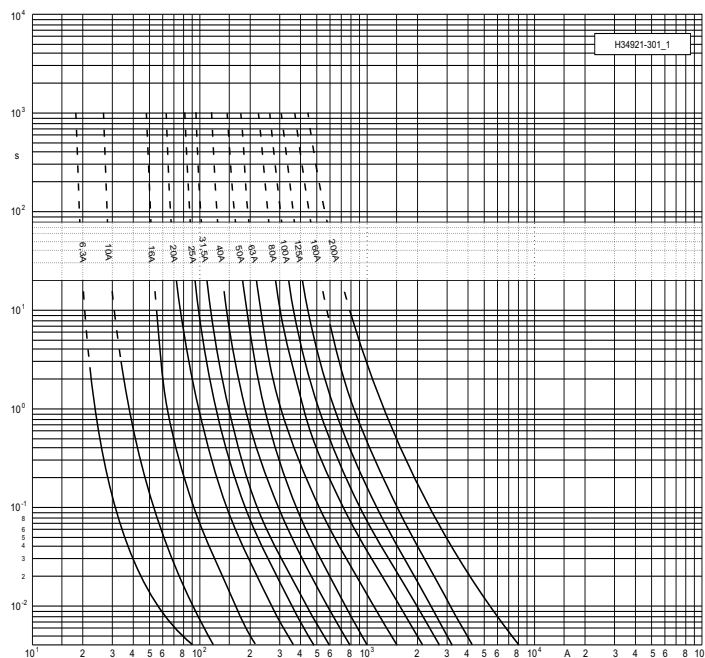
e-mail: info@sibafuse.com

www.siba-fuses.us

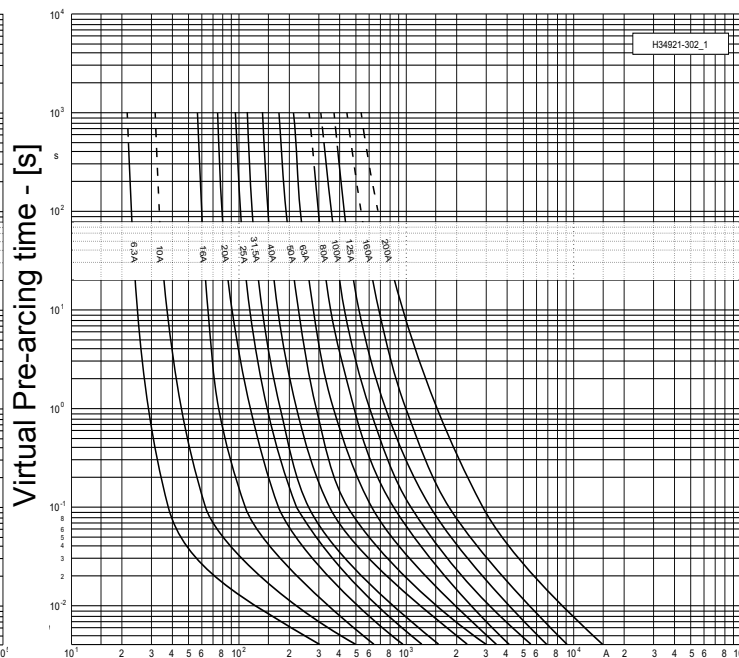
**HHA-BC Time-Current Characteristics - Minimum Melting and Total Clearing**  
**Cut-Off Current Diagram**  
**Current-Limiting, Back-Up, 7.2kV, L1 = 254mm/359mm (6.3A - 200A)**

3035226.6.3 - 100, 3035326.125 - 200, 3035926.6.3 - 100, 3036026.125 - 200

Minimum Melting

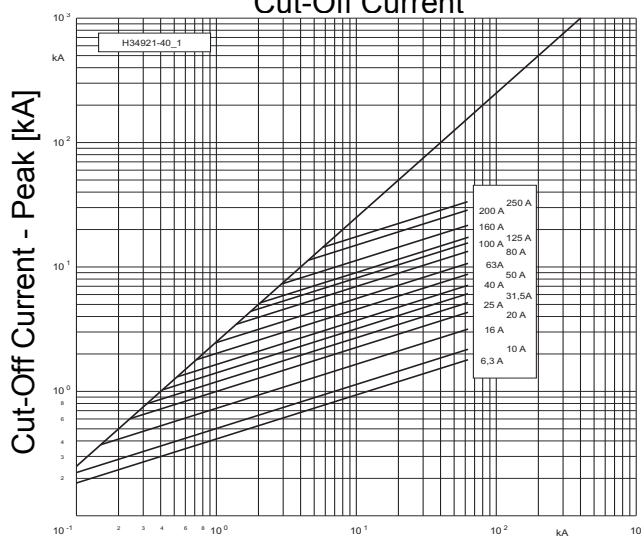


Total Clearing



R.M.S. Prospective Current [A]

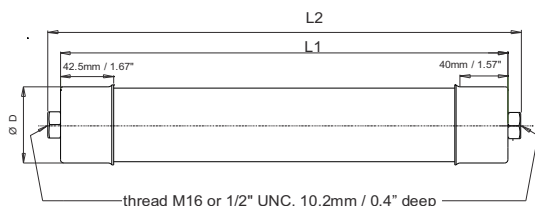
Cut-Off Current



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

**HHA-BC**  
**15.5kV - Rated Voltage[U<sub>n</sub>]**
**High Voltage Current-Limiting Fuses**
**Capacitor Applications  
with out Striker**
**Standard(s)**  
**IEC 60282-1**
**Size L1=359mm, 1/2"UNC**
**Size L1=359mm, M16**
**Class  
Back-Up**


| Rated Current<br>I <sub>n</sub><br>[A] | Article Number | Diameter<br>D<br>[in/mm] | Weight<br>[kg/l] | Rated Breaking Current I <sub>1</sub><br>[kA] | Minimum Breaking Current I <sub>3</sub><br>[A] | Pre-arcing I <sup>2</sup> t<br>[A <sup>2</sup> s] | Total I <sup>2</sup> t @ U <sub>n</sub><br>[A <sup>2</sup> s] | Power Loss<br>[W] | Cold Resistance<br>[mΩ] |
|----------------------------------------|----------------|--------------------------|------------------|-----------------------------------------------|------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------|-------------------|-------------------------|
| <b>L1=359mm M=1/2"UNC</b>              |                |                          |                  |                                               |                                                |                                                   |                                                               |                   |                         |
| 6.3                                    | 3035421.6.3    | 2.5 / 63.5               | 2.5              | 63                                            | 22                                             | 45                                                | —                                                             | 330               | 21                      |
| 10                                     | 3035421.10     | 2.5 / 63.5               | 2.5              | 63                                            | 34                                             | 75                                                | —                                                             | 500               | 38                      |
| 16                                     | 3035421.16     | 2.5 / 63.5               | 2.5              | 63                                            | 56                                             | 250                                               | —                                                             | 1 800             | 37                      |
| 20                                     | 3035421.20     | 2.5 / 63.5               | 2.5              | 63                                            | 70                                             | 640                                               | —                                                             | 4 300             | 40                      |
| 25                                     | 3035421.25     | 2.5 / 63.5               | 2.5              | 63                                            | 90                                             | 1 050                                             | —                                                             | 6 700             | 56                      |
| 31.5                                   | 3035421.31.5   | 2.5 / 63.5               | 2.5              | 63                                            | 110                                            | 1 700                                             | —                                                             | 10 800            | 65                      |
| 40                                     | 3035421.40     | 2.5 / 63.5               | 2.5              | 63                                            | 140                                            | 2 900                                             | —                                                             | 17 100            | 84                      |
| 50                                     | 3035421.50     | 2.5 / 63.5               | 2.5              | 63                                            | 170                                            | 5 700                                             | —                                                             | 29 700            | 101                     |
| 63                                     | 3035421.63     | 2.5 / 63.5               | 2.5              | 63                                            | 210                                            | 10 700                                            | —                                                             | 59 400            | 106                     |
| 80                                     | 3035421.80     | 2.5 / 63.5               | 2.5              | 63                                            | 280                                            | 21 000                                            | —                                                             | 126 000           | 137                     |
| 100                                    | 3035421.100    | 2.5 / 63.5               | 2.5              | 63                                            | 320                                            | 33 000                                            | —                                                             | 189 000           | 182                     |
| <b>L1=359mm M=M16</b>                  |                |                          |                  |                                               |                                                |                                                   |                                                               |                   |                         |
| 6.3                                    | 3036121.6.3    | 2.5 / 63.5               | 2.5              | 63                                            | 22                                             | 45                                                | —                                                             | 330               | 21                      |
| 10                                     | 3036121.10     | 2.5 / 63.5               | 2.5              | 63                                            | 34                                             | 75                                                | —                                                             | 500               | 38                      |
| 16                                     | 3036121.16     | 2.5 / 63.5               | 2.5              | 63                                            | 56                                             | 250                                               | —                                                             | 1 800             | 37                      |
| 20                                     | 3036121.20     | 2.5 / 63.5               | 2.5              | 63                                            | 70                                             | 640                                               | —                                                             | 4 300             | 40                      |
| 25                                     | 3036121.25     | 2.5 / 63.5               | 2.5              | 63                                            | 90                                             | 1 050                                             | —                                                             | 6 700             | 56                      |
| 31.5                                   | 3036121.31.5   | 2.5 / 63.5               | 2.5              | 63                                            | 110                                            | 1 700                                             | —                                                             | 10 800            | 65                      |
| 40                                     | 3036121.40     | 2.5 / 63.5               | 2.5              | 63                                            | 140                                            | 2 900                                             | —                                                             | 17 100            | 84                      |
| 50                                     | 3036121.50     | 2.5 / 63.5               | 2.5              | 63                                            | 170                                            | 5 700                                             | —                                                             | 29 700            | 101                     |
| 63                                     | 3036121.63     | 2.5 / 63.5               | 2.5              | 63                                            | 210                                            | 10 700                                            | —                                                             | 59 400            | 106                     |
| 80                                     | 3036121.80     | 2.5 / 63.5               | 2.5              | 63                                            | 280                                            | 21 000                                            | —                                                             | 126 000           | 137                     |
| 100                                    | 3036121.100    | 2.5 / 63.5               | 2.5              | 63                                            | 320                                            | 33 000                                            | —                                                             | 189 000           | 182                     |

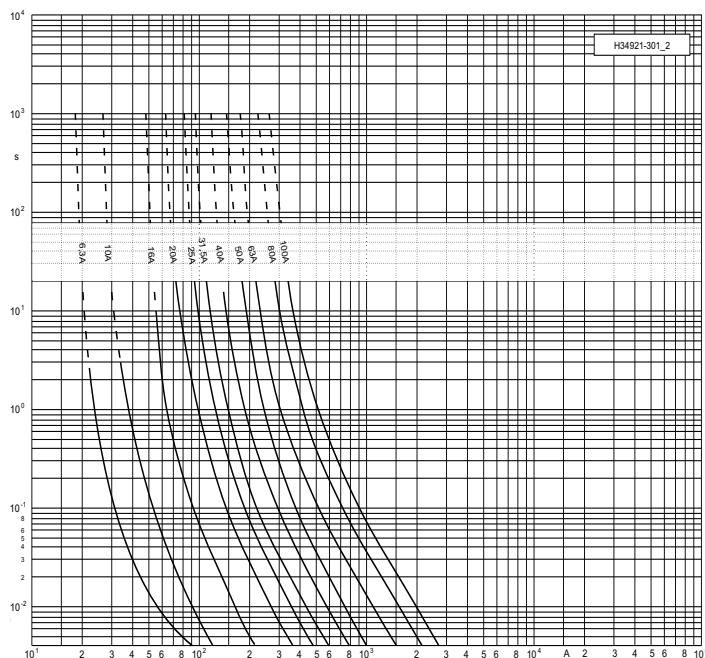


| Dimensions<br>[in/mm] |    |  |
|-----------------------|----|--|
| 14.13 / 359           | L1 |  |
| 14.88 / 378           | L2 |  |

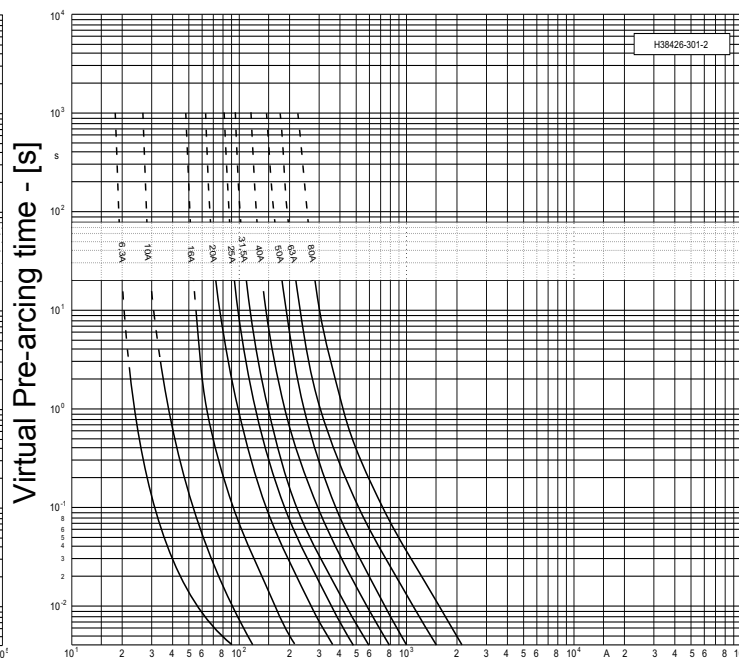
**HHA-BC Time-Current Characteristics - Minimum Melting and Total Clearing**  
**Cut-Off Current Diagram**  
**Current-Limiting, Back-Up, 15.5kV, L1 = 359mm (6.3A - 100A)**

3035426.6.3 - 100, 3036126.6.3 - 100

Minimum Melting

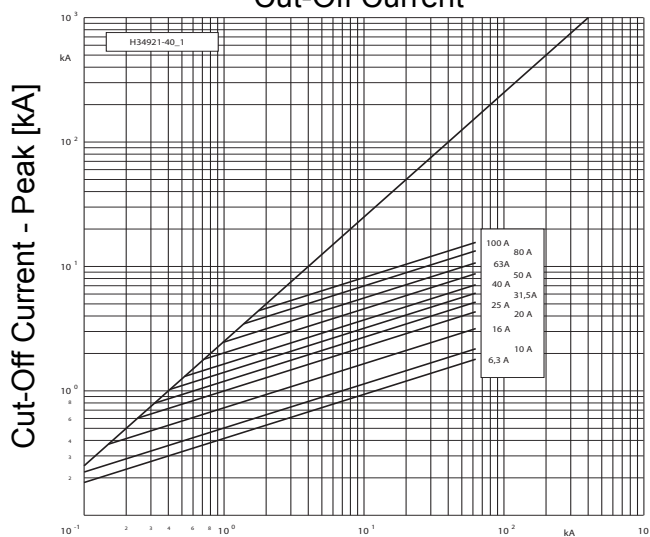


Total Clearing



R.M.S. Prospective Current [A]

Cut-Off Current



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

### HHa-BC

5.5kV - Rated Voltage[U<sub>n</sub>]

Size L1=254mm, 1/2"UNC - L Bracket

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

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

### High Voltage Current-Limiting Fuses

Capacitor Applications

with Striker - 50N

Class

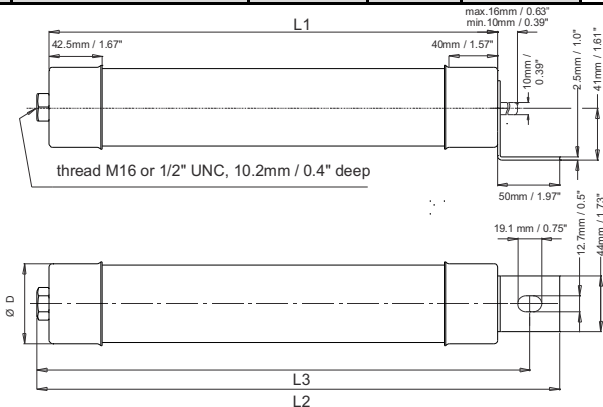
Back-Up

Standard(s)

IEC 60282-1



| Rated Current<br>$I_n$<br>[A] | Article Number | Diameter   | Weight<br>[kg/1] | Rated Breaking Current $I_1$<br>[kA] | Minimum Breaking Current $I_3$<br>[A] | Pre-arcing $i^2t$<br>[A <sup>2</sup> s] | Total                              |         | Power Loss<br>[W] | Cold Resistance<br>[mΩ] |
|-------------------------------|----------------|------------|------------------|--------------------------------------|---------------------------------------|-----------------------------------------|------------------------------------|---------|-------------------|-------------------------|
|                               |                | D          |                  |                                      |                                       |                                         | $i^2t @ U_n$<br>[A <sup>2</sup> s] |         |                   |                         |
| L1=254mm M=1/2"UNC            |                |            |                  |                                      |                                       |                                         |                                    |         |                   |                         |
| 6.3                           | 3038426.6.3    | 2.5 / 63.5 | 2.5              | 63                                   | 22                                    | 45                                      | —                                  | 330     | 12                | —                       |
| 10                            | 3038426.10     | 2.5 / 63.5 | 2.5              | 63                                   | 34                                    | 75                                      | —                                  | 500     | 26                | —                       |
| 16                            | 3038426.16     | 2.5 / 63.5 | 2.5              | 63                                   | 56                                    | 250                                     | —                                  | 1 800   | 14                | —                       |
| 20                            | 3038426.20     | 2.5 / 63.5 | 2.5              | 63                                   | 70                                    | 640                                     | —                                  | 4 300   | 15                | —                       |
| 25                            | 3038426.25     | 2.5 / 63.5 | 2.5              | 63                                   | 90                                    | 1 050                                   | —                                  | 6 700   | 17                | —                       |
| 31.5                          | 3038426.31.5   | 2.5 / 63.5 | 2.5              | 63                                   | 110                                   | 1 700                                   | —                                  | 10 800  | 22                | —                       |
| 40                            | 3038426.40     | 2.5 / 63.5 | 2.5              | 63                                   | 140                                   | 2 900                                   | —                                  | 17 100  | 29                | —                       |
| 50                            | 3038426.50     | 2.5 / 63.5 | 2.5              | 63                                   | 170                                   | 5 700                                   | —                                  | 29 700  | 33                | —                       |
| 63                            | 3038426.63     | 2.5 / 63.5 | 2.5              | 63                                   | 210                                   | 10 700                                  | —                                  | 59 400  | 41                | —                       |
| 80                            | 3038426.80     | 2.5 / 63.5 | 2.5              | 63                                   | 280                                   | 21 000                                  | —                                  | 126 000 | 46                | —                       |
| 100                           | 3038426.100    | 2.5 / 63.5 | 2.5              | 63                                   | 320                                   | 33 000                                  | —                                  | 189 000 | 60                | —                       |
| 125                           | 3038426.125    | 2.5 / 63.5 | 2.5              | 63                                   | 390                                   | 47 000                                  | —                                  | 351 000 | 86                | —                       |
| L1=359mm M=12"UNC             |                |            |                  |                                      |                                       |                                         |                                    |         |                   |                         |
| 160                           | 3038526.160*   | 2.5 / 63.5 |                  | 63                                   | * Data Upon Request                   |                                         |                                    |         |                   | —                       |
| 200                           | 3038526.200*   | 2.5 / 63.5 |                  | 63                                   |                                       |                                         |                                    |         |                   | —                       |
| L1=254mm M=M16                |                |            |                  |                                      |                                       |                                         |                                    |         |                   |                         |
| 6.3                           | 3040426.6.3    | 2.5 / 63.5 | 2.5              | 63                                   | 22                                    | 45                                      | —                                  | 330     | 12                | —                       |
| 10                            | 3040426.10     | 2.5 / 63.5 | 2.5              | 63                                   | 34                                    | 75                                      | —                                  | 500     | 26                | —                       |
| 16                            | 3040426.16     | 2.5 / 63.5 | 2.5              | 63                                   | 56                                    | 250                                     | —                                  | 1 800   | 14                | —                       |
| 20                            | 3040426.20     | 2.5 / 63.5 | 2.5              | 63                                   | 70                                    | 640                                     | —                                  | 4 300   | 15                | —                       |
| 25                            | 3040426.25     | 2.5 / 63.5 | 2.5              | 63                                   | 90                                    | 1 050                                   | —                                  | 6 700   | 17                | —                       |
| 31.5                          | 3040426.31.5   | 2.5 / 63.5 | 2.5              | 63                                   | 110                                   | 1 700                                   | —                                  | 10 800  | 22                | —                       |
| 40                            | 3040426.40     | 2.5 / 63.5 | 2.5              | 63                                   | 140                                   | 2 900                                   | —                                  | 17 100  | 29                | —                       |
| 50                            | 3040426.50     | 2.5 / 63.5 | 2.5              | 63                                   | 170                                   | 5 700                                   | —                                  | 29 700  | 33                | —                       |
| 63                            | 3040426.63     | 2.5 / 63.5 | 2.5              | 63                                   | 210                                   | 10 700                                  | —                                  | 59 400  | 41                | —                       |
| 80                            | 3040426.80     | 2.5 / 63.5 | 2.5              | 63                                   | 280                                   | 21 000                                  | —                                  | 126 000 | 46                | —                       |
| 100                           | 3040426.100    | 2.5 / 63.5 | 2.5              | 63                                   | 320                                   | 33 000                                  | —                                  | 189 000 | 60                | —                       |
| 125                           | 3040426.125    | 2.5 / 63.5 | 2.5              | 63                                   | 390                                   | 47 000                                  | —                                  | 351 000 | 86                | —                       |
| L1=359mm M=M16                |                |            |                  |                                      |                                       |                                         |                                    |         |                   |                         |
| 160                           | 3040526.160*   | 2.5 / 63.5 |                  | 63                                   | * Data Upon Request                   |                                         |                                    |         |                   | —                       |
| 200                           | 3040526.200*   | 2.5 / 63.5 |                  | 63                                   |                                       |                                         |                                    |         |                   | —                       |



| Dimensions<br>[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 |

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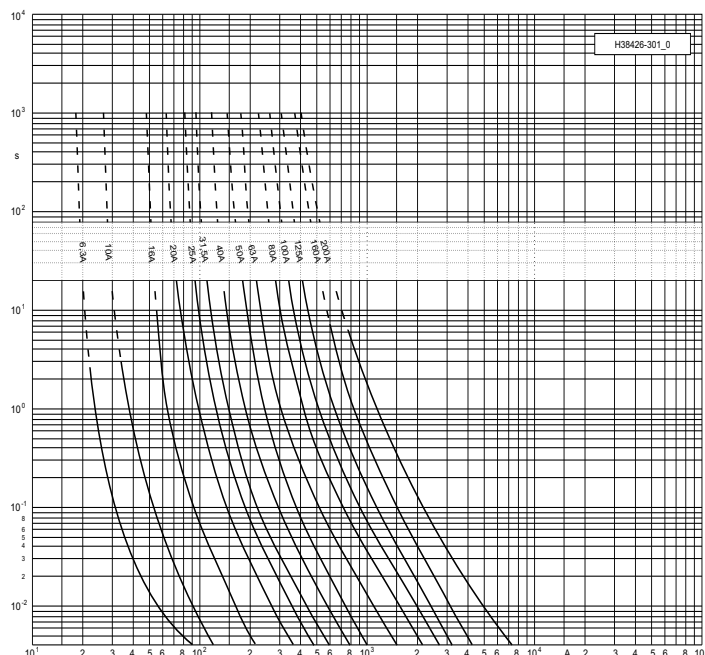
e-mail: info@sibafuse.com

www.siba-fuses.us

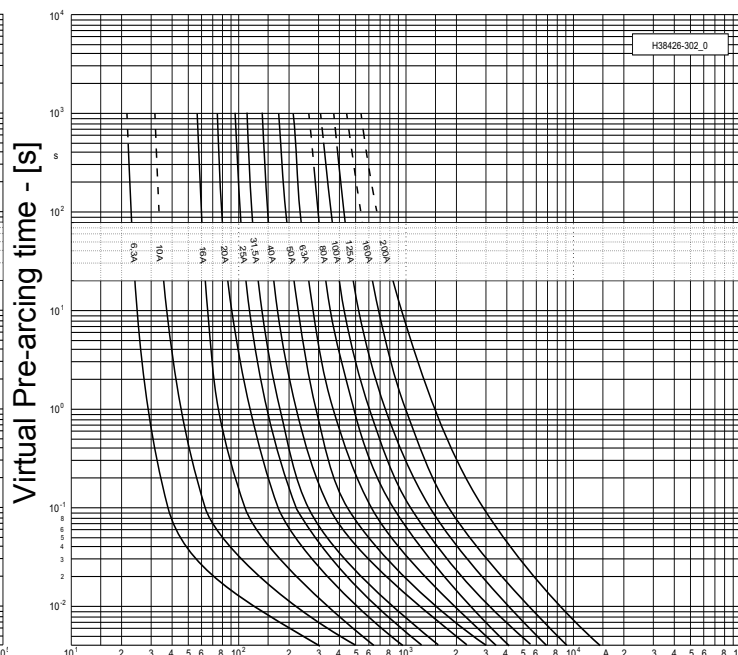
**HHA-BC Time-Current Characteristics - Minimum Melting and Total Clearing  
 Cut-Off Current Diagram**  
**Current-Limiting, Back-Up, 5.5kV, L1 = 359mm (6.3A - 200A)**

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

**Minimum Melting**

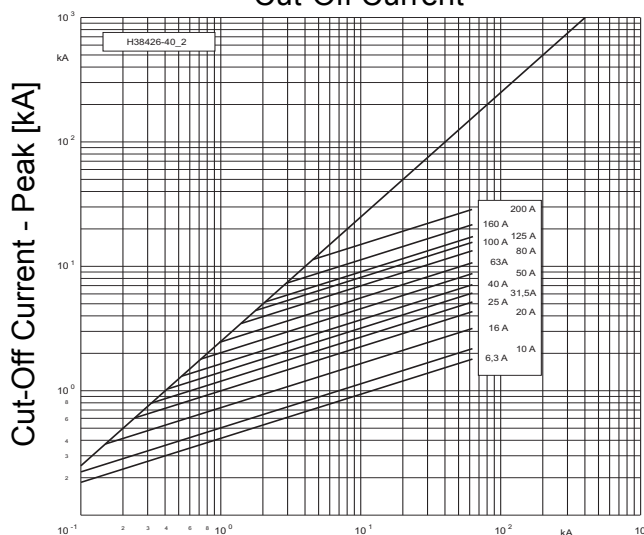


**Total Clearing**



R.M.S. Prospective Current [A]

**Cut-Off Current**



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

## HHa-BC

5.5kV - Rated Voltage[U<sub>n</sub>]

Size L1=254mm, 1/2"UNC - L Bracket

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

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

## High Voltage Current-Limiting Fuses

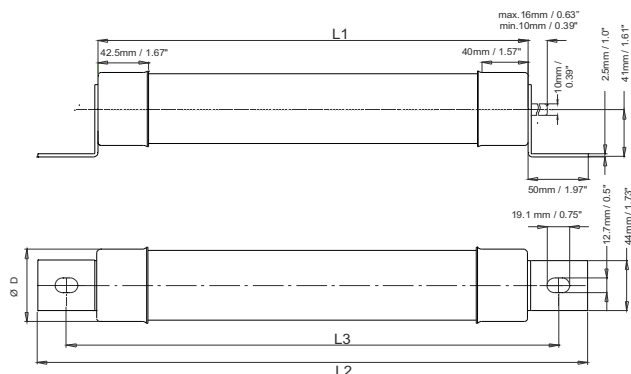
Capacitor Applications  
with Striker - 50N

Class  
Back-Up

Standard(s)  
IEC 60282-1



| Rated Current<br>I <sub>n</sub><br>[A] | Article Number | Diameter<br>D<br>[in/mm] | Weight<br>[kg/l] | Rated Breaking Current I <sub>1</sub><br>[kA] | Minimum Breaking Current I <sub>3</sub><br>[A] | Pre-arcing I <sup>2</sup> t<br>[A <sup>2</sup> s] | Total I <sup>2</sup> t @ U <sub>n</sub><br>[A <sup>2</sup> s] | Power Loss<br>[W] | Cold Resistance<br>[mΩ] |
|----------------------------------------|----------------|--------------------------|------------------|-----------------------------------------------|------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------|-------------------|-------------------------|
| <b>L1=254mm 2-L Bracket</b>            |                |                          |                  |                                               |                                                |                                                   |                                                               |                   |                         |
| 6.3                                    | 3041026.6.3    | 2.5 / 63.5               | 2.5              | 63                                            | 22                                             | 45                                                | —                                                             | 330               | 12                      |
| 10                                     | 3041026.10     | 2.5 / 63.5               | 2.5              | 63                                            | 34                                             | 75                                                | —                                                             | 500               | 26                      |
| 16                                     | 3041026.16     | 2.5 / 63.5               | 2.5              | 63                                            | 56                                             | 250                                               | —                                                             | 1 800             | 14                      |
| 20                                     | 3041026.20     | 2.5 / 63.5               | 2.5              | 63                                            | 70                                             | 640                                               | —                                                             | 4 300             | 15                      |
| 25                                     | 3041026.25     | 2.5 / 63.5               | 2.5              | 63                                            | 90                                             | 1 050                                             | —                                                             | 6 700             | 17                      |
| 31.5                                   | 3041026.31.5   | 2.5 / 63.5               | 2.5              | 63                                            | 110                                            | 1 700                                             | —                                                             | 10 800            | 22                      |
| 40                                     | 3041026.40     | 2.5 / 63.5               | 2.5              | 63                                            | 140                                            | 2 900                                             | —                                                             | 17 100            | 29                      |
| 50                                     | 3041026.50     | 2.5 / 63.5               | 2.5              | 63                                            | 170                                            | 5 700                                             | —                                                             | 29 700            | 33                      |
| 63                                     | 3041026.63     | 2.5 / 63.5               | 2.5              | 63                                            | 210                                            | 10 700                                            | —                                                             | 59 400            | 41                      |
| 80                                     | 3041026.80     | 2.5 / 63.5               | 2.5              | 63                                            | 280                                            | 21 000                                            | —                                                             | 126 000           | 46                      |
| 100                                    | 3041026.100    | 2.5 / 63.5               | 2.5              | 63                                            | 320                                            | 33 000                                            | —                                                             | 189 000           | 60                      |
| 125                                    | 3041026.125    | 2.5 / 63.5               | 2.5              | 63                                            | 390                                            | 47 000                                            | —                                                             | 351 000           | 86                      |
| <b>L1=359mm 2-L Bracket</b>            |                |                          |                  |                                               |                                                |                                                   |                                                               |                   |                         |
| 160                                    | 3041026.160    | 2.5 / 63.5               |                  | 63                                            | 600                                            | Data Upon Request                                 |                                                               |                   | —                       |

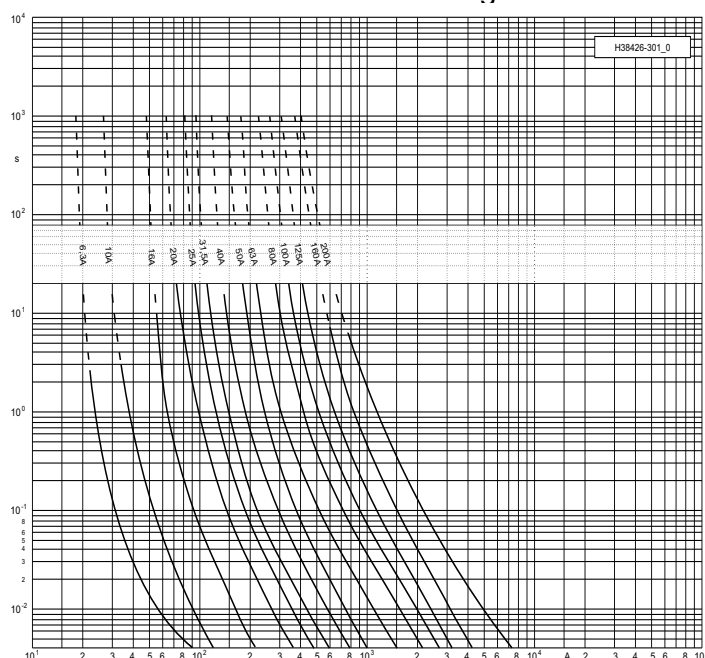


| Dimensions<br>[in/mm] |    |             |
|-----------------------|----|-------------|
| 3041026               |    | 3041026     |
| 6.3A - 125A           |    | 160A        |
| 10.00 / 254           | L1 | 14.13 / 359 |
| 12.40 / 315           | L2 | 16.53 / 420 |
| 11.42 / 290           | L3 | 15.55 / 395 |

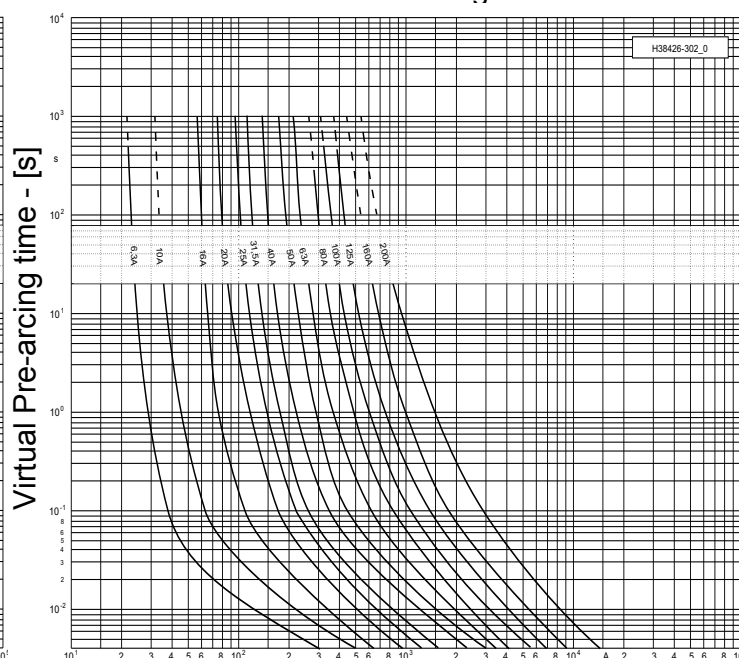
**HHA-BC Time-Current Characteristics - Minimum Melting and Total Clearing  
 Cut-Off Current Diagram  
 Current-Limiting, Back-Up, 5.5kV, L1 = 359mm (6.3A - 100A)**

3041026.6.3 - 160

Minimum Melting

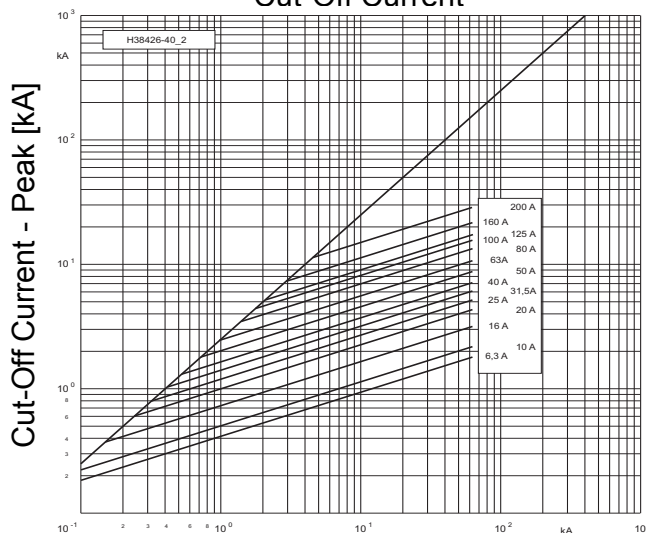


Total Clearing



R.M.S. Prospective Current [A]

Cut-Off Current



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

## HHA-BC

8.3kV - Rated Voltage[U<sub>n</sub>]

## High Voltage Current-Limiting Fuses

Capacitor Applications  
with Striker - 50N

Standard(s)

IEC 60282-1

Size L1=254mm/359mm, 1/2"UNC - L

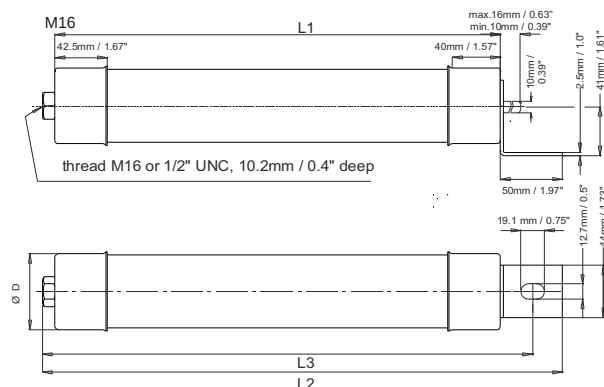
Class

Bracket Size L1=359mm, M16 - L

Back-Up



| Rated<br>Current<br><br>$I_n$<br>[A] | Article Number | Diameter   | Weight<br><br>[kg/l] | Rated<br>Breaking<br>Current $I_1$<br>[kA] | Minimum<br>Breaking<br>Current $I_3$<br>[A] | Pre-arcing<br>$I^2_t$<br>[A <sup>2</sup> s] | Total                  |                    | Power<br>Loss<br>[W] | Cold<br>Resistance<br>[mΩ] |
|--------------------------------------|----------------|------------|----------------------|--------------------------------------------|---------------------------------------------|---------------------------------------------|------------------------|--------------------|----------------------|----------------------------|
|                                      |                | D          |                      |                                            |                                             |                                             | $I^2_t$ @<br><br>$U_n$ |                    |                      |                            |
|                                      |                | [in/mm]    |                      |                                            |                                             |                                             |                        | [A <sup>2</sup> s] |                      |                            |
| L1=254mm M=1/2"UNC                   |                |            |                      |                                            |                                             |                                             |                        |                    |                      |                            |
| 6.3                                  | 3038726.6.3    | 2.5 / 63.5 | 2.5                  | 63                                         | 22                                          | 45                                          | —                      | 330                | 18                   | —                          |
| 10                                   | 3038726.10     | 2.5 / 63.5 | 2.5                  | 63                                         | 34                                          | 75                                          | —                      | 500                | 25                   | —                          |
| 16                                   | 3038726.16     | 2.5 / 63.5 | 2.5                  | 63                                         | 56                                          | 250                                         | —                      | 1 800              | 22                   | —                          |
| 20                                   | 3038726.20     | 2.5 / 63.5 | 2.5                  | 63                                         | 70                                          | 640                                         | —                      | 4 300              | 24                   | —                          |
| 25                                   | 3038726.25     | 2.5 / 63.5 | 2.5                  | 63                                         | 90                                          | 1 050                                       | —                      | 6 700              | 28                   | —                          |
| 31.5                                 | 3038726.31.5   | 2.5 / 63.5 | 2.5                  | 63                                         | 110                                         | 1 700                                       | —                      | 10 800             | 35                   | —                          |
| 40                                   | 3038726.40     | 2.5 / 63.5 | 2.5                  | 63                                         | 140                                         | 2 900                                       | —                      | 17 100             | 45                   | —                          |
| L1=359mm M=1/2"UNC                   |                |            |                      |                                            |                                             |                                             |                        |                    |                      |                            |
| 50                                   | 3038826.50     | 2.5 / 63.5 | 2.9                  | 63                                         | 170                                         | 5 700                                       | —                      | 29 700             | 52                   | —                          |
| 63                                   | 3038826.63     | 2.5 / 63.5 | 2.9                  | 63                                         | 210                                         | 10 700                                      | —                      | 59 400             | 64                   | —                          |
| 80                                   | 3038826.80     | 2.5 / 63.5 | 2.9                  | 63                                         | 280                                         | 21 000                                      | —                      | 126 000            | 73                   | —                          |
| 100                                  | 3038826.100    | 2.5 / 63.5 | 2.9                  | 63                                         | 320                                         | 33 000                                      | —                      | 189 000            | 95                   | —                          |
| 125                                  | 3038826.125    | 2.5 / 63.5 | 2.9                  | 63                                         | 390                                         | 47 000                                      | —                      | 351 000            | 136                  | —                          |
| L1=359mm M=M16                       |                |            |                      |                                            |                                             |                                             |                        |                    |                      |                            |
| 50                                   | 3040626.50     | 2.5 / 63.5 | 2.9                  | 63                                         | 170                                         | 5 700                                       | —                      | 29 700             | 52                   | —                          |
| 63                                   | 3040626.63     | 2.5 / 63.5 | 2.9                  | 63                                         | 210                                         | 10 700                                      | —                      | 59 400             | 64                   | —                          |
| 80                                   | 3040626.80     | 2.5 / 63.5 | 2.9                  | 63                                         | 280                                         | 21 000                                      | —                      | 126 000            | 73                   | —                          |
| 100                                  | 3040626.100    | 2.5 / 63.5 | 2.9                  | 63                                         | 320                                         | 33 000                                      | —                      | 189 000            | 95                   | —                          |
| 125                                  | 3040626.125    | 2.5 / 63.5 | 2.9                  | 63                                         | 390                                         | 47 000                                      | —                      | 351 000            | 136                  | —                          |



| Dimensions<br>[in/mm] |    |             |
|-----------------------|----|-------------|
| 3038726               |    | 3038826     |
| —                     |    | 30 406 26   |
| 10.00 / 254           | L1 | 14.13 / 359 |
| 12.40 / 315           | L2 | 16.53 / 420 |
| 11.42 / 290           | L3 | 15.55 / 395 |

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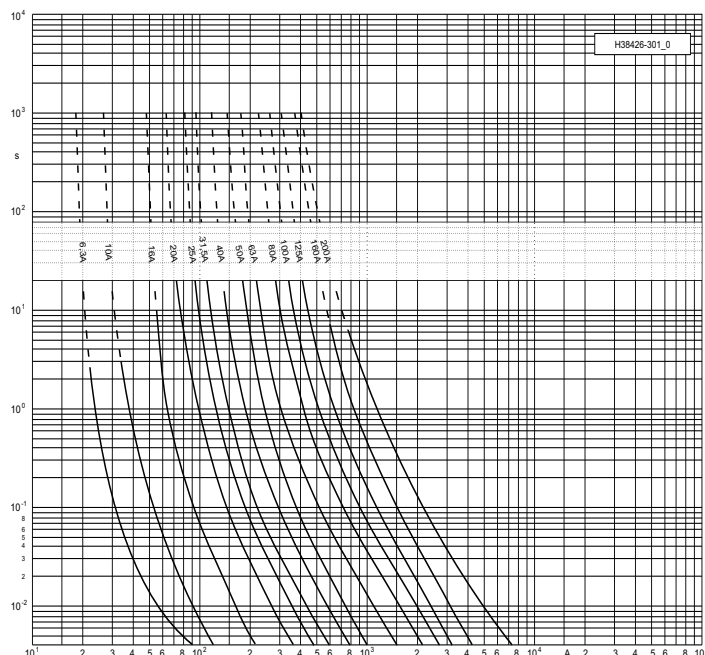
e-mail: info@sibafuse.com

www.siba-fuses.us

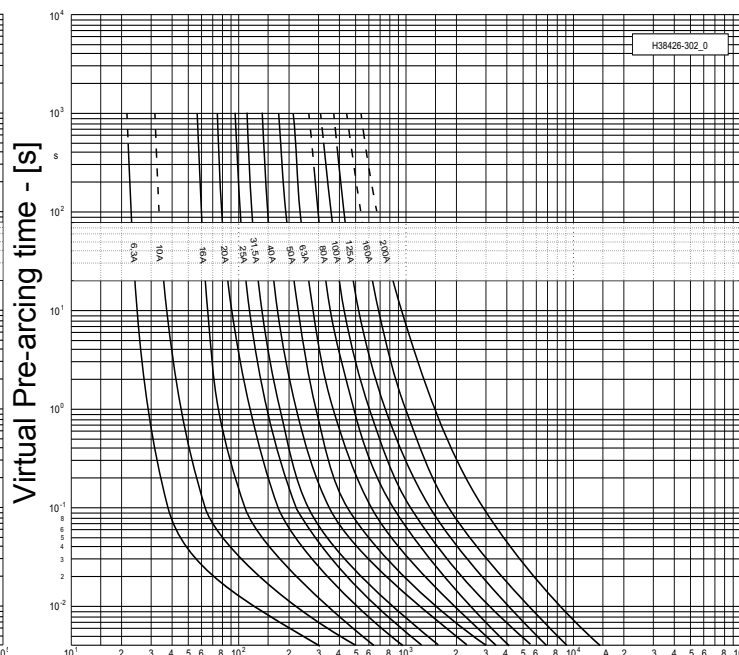
**HHA-BC Time-Current Characteristics - Minimum Melting and Total Clearing  
 Cut-Off Current Diagram**  
**Current-Limiting, Back-Up, 8.3kV, L1 = 254mm/359mm (6.3A - 125A)**

3038726.6.3 - 40, 3038821.50 - 125, 3040626.50 - 125, 304116.6.3 - 40, 3041226.50 - 125

Minimum Melting

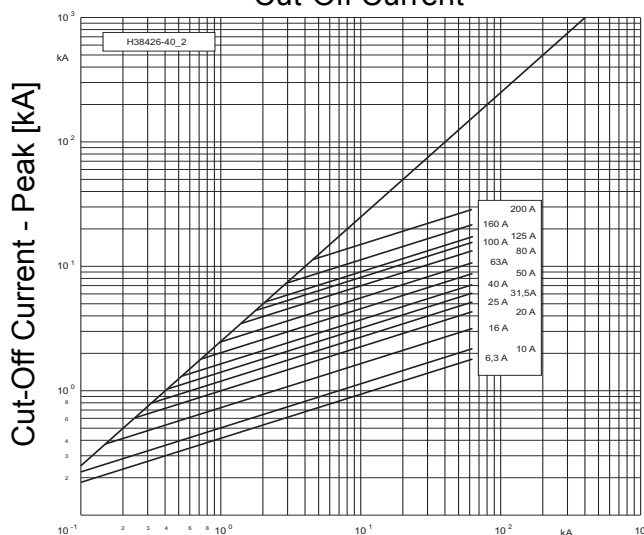


Total Clearing



R.M.S. Prospective Current [A]

Cut-Off Current



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

## HHa-BC

8.3kV - Rated Voltage[U<sub>n</sub>]

## High Voltage Current-Limiting Fuses

Capacitor Applications  
with Striker - 50N

Class

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

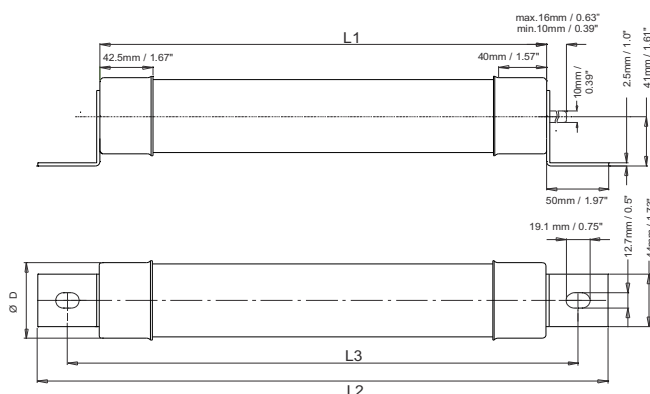
Back-Up

Standard(s)

IEC 60282-1



| Rated Current<br>I <sub>n</sub><br>[A] | Article Number | Diameter<br>D<br>[in/mm] | Weight<br>[kg/l] | Rated Breaking Current I <sub>1</sub><br>[kA] | Minimum Breaking Current I <sub>3</sub><br>[A] | Pre-arcing I <sup>2</sup> <sub>t</sub><br>[A <sup>2</sup> s] | Total I <sup>2</sup> <sub>t</sub> @ U <sub>n</sub><br>[A <sup>2</sup> s] | Power Loss<br>[W] | Cold Resistance<br>[mΩ] |
|----------------------------------------|----------------|--------------------------|------------------|-----------------------------------------------|------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------|-------------------|-------------------------|
| <b>L1=254mm</b>                        |                |                          |                  |                                               |                                                |                                                              |                                                                          |                   |                         |
| 6.3                                    | 3041126.6.3    | 2.5 / 63.5               | 2.5              | 63                                            | 22                                             | 45                                                           | —                                                                        | 330               | 18                      |
| 10                                     | 3041126.10     | 2.5 / 63.5               | 2.5              | 63                                            | 34                                             | 75                                                           | —                                                                        | 500               | 25                      |
| 16                                     | 3041126.16     | 2.5 / 63.5               | 2.5              | 63                                            | 56                                             | 250                                                          | —                                                                        | 1 800             | 22                      |
| 20                                     | 3041126.20     | 2.5 / 63.5               | 2.5              | 63                                            | 70                                             | 640                                                          | —                                                                        | 4 300             | 24                      |
| 25                                     | 3041126.25     | 2.5 / 63.5               | 2.5              | 63                                            | 90                                             | 1 050                                                        | —                                                                        | 6 700             | 28                      |
| 31.5                                   | 3041126.31.5   | 2.5 / 63.5               | 2.5              | 63                                            | 110                                            | 1 700                                                        | —                                                                        | 10 800            | 35                      |
| 40                                     | 3041126.40     | 2.5 / 63.5               | 2.5              | 63                                            | 140                                            | 2 900                                                        | —                                                                        | 17 100            | 45                      |
| <b>L1=359mm</b>                        |                |                          |                  |                                               |                                                |                                                              |                                                                          |                   |                         |
| 50                                     | 3041226.50     | 2.5 / 63.5               | 2.9              | 63                                            | 170                                            | 5 700                                                        | —                                                                        | 29 700            | 52                      |
| 63                                     | 3041226.63     | 2.5 / 63.5               | 2.9              | 63                                            | 210                                            | 10 700                                                       | —                                                                        | 59 400            | 64                      |
| 80                                     | 3041226.80     | 2.5 / 63.5               | 2.9              | 63                                            | 280                                            | 21 000                                                       | —                                                                        | 126 000           | 73                      |
| 100                                    | 3041226.100    | 2.5 / 63.5               | 2.9              | 63                                            | 320                                            | 33 000                                                       | —                                                                        | 189 000           | 95                      |
| 125                                    | 3041226.125    | 2.5 / 63.5               | 2.9              | 63                                            | 390                                            | 47 000                                                       | —                                                                        | 351 000           | 136                     |

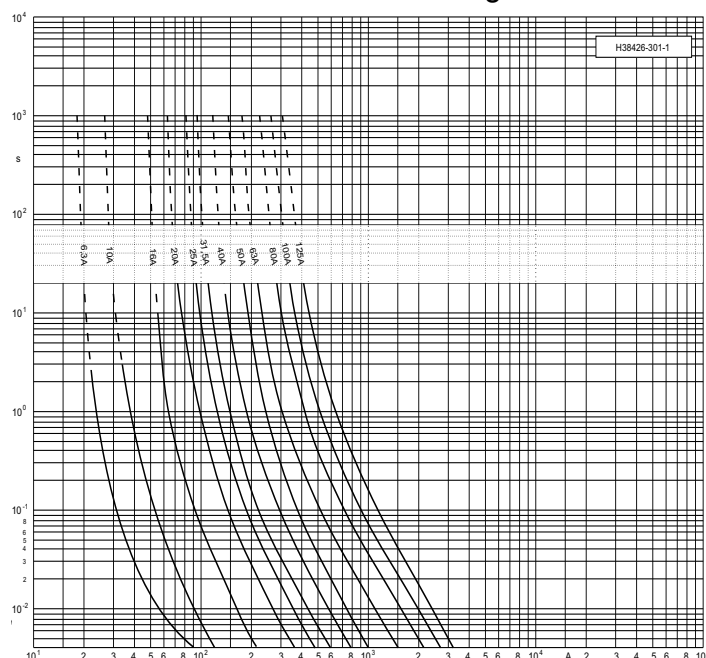


| Dimensions<br>[in/mm] |    |             |
|-----------------------|----|-------------|
| 3041126               |    | 3041226     |
| 10.00 / 254           | L1 | 14.13 / 359 |
| 13.94 / 354           | L2 | 18.07 / 459 |
| 11.97 / 304           | L3 | 16.10 / 409 |

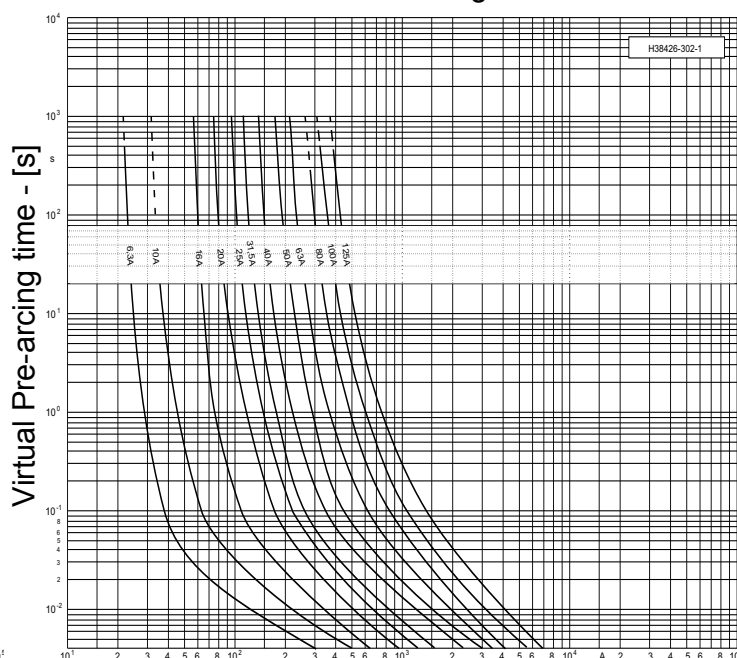
**HHA-BC Time-Current Characteristics - Minimum Melting and Total Clearing**  
**Cut-Off Current Diagram**  
 Current-Limiting, Back-Up, 8.3kV, L1 = 254mm/359mm (6.3A - 125A)

3038726.6.3 - 40, 3038821.50 - 125, 3040626.50 - 125, 3041126.6.3 - 40, 3041226.50 - 125

Minimum Melting

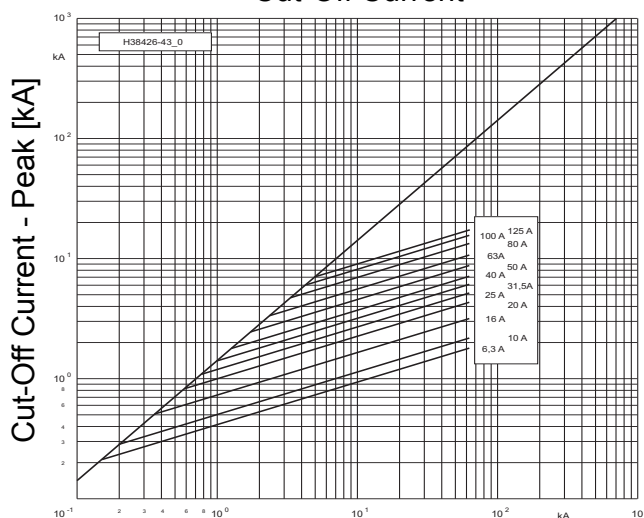


Total Clearing



R.M.S. Prospective Current [A]

Cut-Off Current



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

### HHA-BC

15.5kV - Rated Voltage[U<sub>n</sub>]

### High Voltage Current-Limiting Fuses

Capacitor Applications  
with Striker - 50N

Standard(s)

IEC 60282-1

Size L1=254mm/359mm, 1/2"UNC - L Bracket

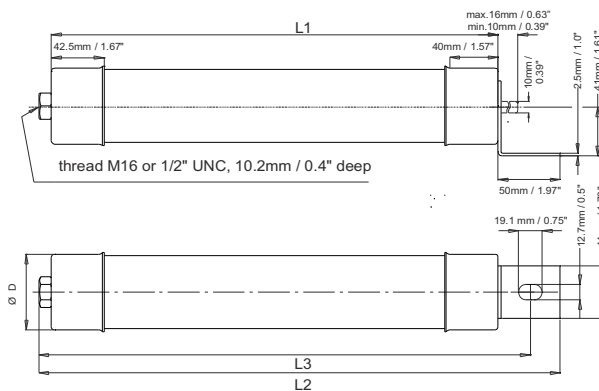
Class

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

Back-Up



| Rated Current<br>I <sub>n</sub><br>[A] | Article Number | Diameter<br>D<br>[in/mm] | Weight<br>[kg/l] | Rated Breaking Current I <sub>1</sub><br>[kA] | Minimum Breaking Current I <sub>3</sub><br>[A] | Pre-arcing I <sup>2</sup> <sub>t</sub><br>[A <sup>2</sup> s] | Total I <sup>2</sup> <sub>t</sub> @<br>[A <sup>2</sup> s] | U <sub>n</sub><br>[A <sup>2</sup> s] | Power Loss<br>[W] | Cold Resistance<br>[mΩ] |
|----------------------------------------|----------------|--------------------------|------------------|-----------------------------------------------|------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------|-------------------|-------------------------|
| <b>L1=254mm M=1/2"UNC</b>              |                |                          |                  |                                               |                                                |                                                              |                                                           |                                      |                   |                         |
| 6.3                                    | 3038626.6.3    | 2.5 / 63.5               | 2.5              | 63                                            | 22                                             | 45                                                           | —                                                         | 330                                  | 21                | —                       |
| 10                                     | 3038626.10     | 2.5 / 63.5               | 2.5              | 63                                            | 34                                             | 75                                                           | —                                                         | 500                                  | 38                | —                       |
| 16                                     | 3038626.16     | 2.5 / 63.5               | 2.5              | 63                                            | 56                                             | 250                                                          | —                                                         | 1 800                                | 37                | —                       |
| 20                                     | 3038626.20     | 2.5 / 63.5               | 2.5              | 63                                            | 70                                             | 640                                                          | —                                                         | 4 300                                | 40                | —                       |
| 25                                     | 3038626.25     | 2.5 / 63.5               | 2.5              | 63                                            | 90                                             | 1 050                                                        | —                                                         | 6 700                                | 56                | —                       |
| 31.5                                   | 3038626.31.5   | 2.5 / 63.5               | 2.5              | 63                                            | 110                                            | 1 700                                                        | —                                                         | 10 800                               | 65                | —                       |
| 40                                     | 3038626.40     | 2.5 / 63.5               | 2.5              | 63                                            | 140                                            | 2 900                                                        | —                                                         | 17 100                               | 84                | —                       |
| <b>L1=359mm M=1/2"UNC</b>              |                |                          |                  |                                               |                                                |                                                              |                                                           |                                      |                   |                         |
| 50                                     | 3038926.50     | 2.5 / 63.5               | 2.9              | 63                                            | 170                                            | 5 700                                                        | —                                                         | 29 700                               | 101               | —                       |
| 63                                     | 3038926.63     | 2.5 / 63.5               | 2.9              | 63                                            | 210                                            | 10 700                                                       | —                                                         | 59 400                               | 106               | —                       |
| 80                                     | 3038926.80     | 2.5 / 63.5               | 2.9              | 63                                            | 280                                            | 21 000                                                       | —                                                         | 126 000                              | 137               | —                       |
| <b>L1=254mm M=M16</b>                  |                |                          |                  |                                               |                                                |                                                              |                                                           |                                      |                   |                         |
| 6.3                                    | 3040726.6.3    | 2.5 / 63.5               | 2.5              | 63                                            | 22                                             | 45                                                           | —                                                         | 330                                  | 21                | —                       |
| 10                                     | 3040726.10     | 2.5 / 63.5               | 2.5              | 63                                            | 34                                             | 75                                                           | —                                                         | 500                                  | 38                | —                       |
| 16                                     | 3040726.16     | 2.5 / 63.5               | 2.5              | 63                                            | 56                                             | 250                                                          | —                                                         | 1 800                                | 37                | —                       |
| 20                                     | 3040726.20     | 2.5 / 63.5               | 2.5              | 63                                            | 70                                             | 640                                                          | —                                                         | 4 300                                | 40                | —                       |
| 25                                     | 3040726.25     | 2.5 / 63.5               | 2.5              | 63                                            | 90                                             | 1 050                                                        | —                                                         | 6 700                                | 56                | —                       |
| 31.5                                   | 3040726.31.5   | 2.5 / 63.5               | 2.5              | 63                                            | 110                                            | 1 700                                                        | —                                                         | 10 800                               | 65                | —                       |
| 40                                     | 3040726.40     | 2.5 / 63.5               | 2.5              | 63                                            | 140                                            | 2 900                                                        | —                                                         | 17 100                               | 84                | —                       |
| <b>L1=359mm M=M16</b>                  |                |                          |                  |                                               |                                                |                                                              |                                                           |                                      |                   |                         |
| 50                                     | 3040826.50     | 2.5 / 63.5               | 2.9              | 63                                            | 170                                            | 5 700                                                        | —                                                         | 29 700                               | 101               | —                       |
| 63                                     | 3040826.63     | 2.5 / 63.5               | 2.9              | 63                                            | 210                                            | 10 700                                                       | —                                                         | 59 400                               | 106               | —                       |
| 80                                     | 3040826.80     | 2.5 / 63.5               | 2.9              | 63                                            | 280                                            | 21 000                                                       | —                                                         | 126 000                              | 137               | —                       |



| Dimensions<br>[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 |

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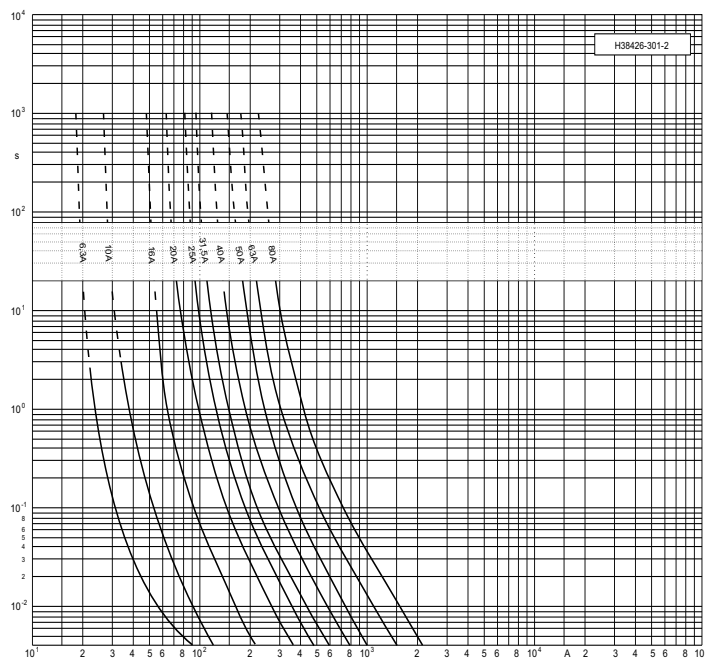
e-mail: info@sibafuse.com

www.siba-fuses.us

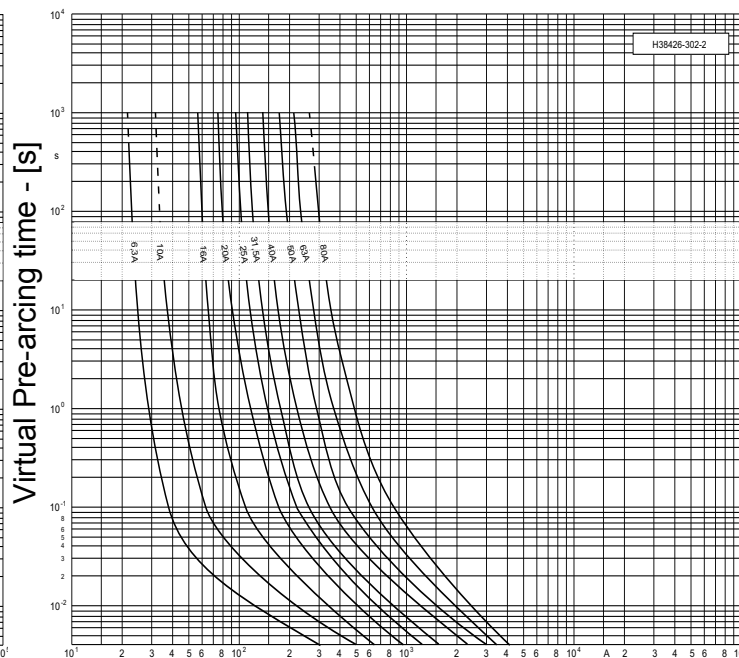
**HHA-BC Time-Current Characteristics - Minimum Melting and Total Clearing  
Cut-Off Current Diagram**  
**Current-Limiting, Back-Up, 15.5kV, L1 = 254mm/359mm (6.3A - 80A)**

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

**Minimum Melting**

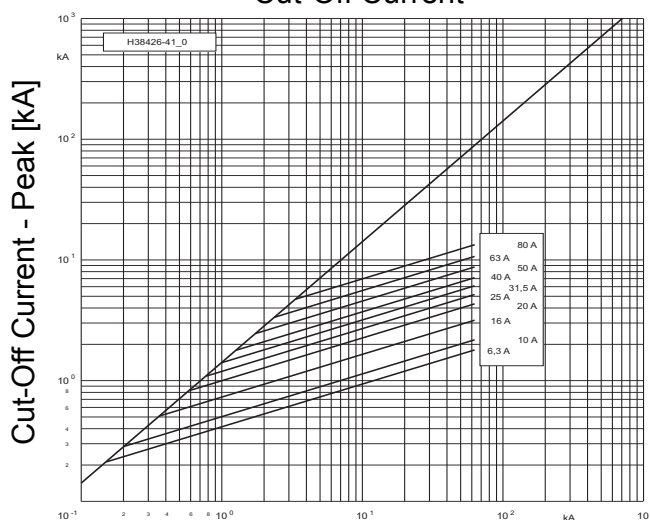


**Total Clearing**



R.M.S. Prospective Current [A]

**Cut-Off Current**



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

**HHa-BC**  
15.5kV - Rated Voltage[U<sub>n</sub>]

**High Voltage Current-Limiting Fuses**

Capacitor Applications  
with Striker - 50N

Class

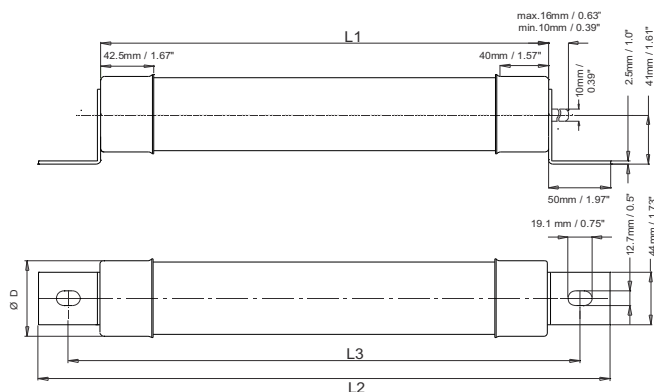
Size L1=254mm/359mm, 2-L Brackets

Back-Up

Standard(s)  
IEC 60282-1



| Rated Current<br>I <sub>n</sub><br>[A] | Article Number | Diameter<br>D<br>[in/m] | Weight<br>[kg/l] | Rated Breaking Current I <sub>1</sub><br>[kA] | Minimum Breaking Current I <sub>3</sub><br>[A] | Pre-arcing I <sup>2</sup> t<br>[A <sup>2</sup> s] | Total I <sup>2</sup> t @ U <sub>n</sub><br>[A <sup>2</sup> s] | Power Loss<br>[W] | Cold Resistance<br>[mΩ] |
|----------------------------------------|----------------|-------------------------|------------------|-----------------------------------------------|------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------|-------------------|-------------------------|
| <b>L1=254mm</b>                        |                |                         |                  |                                               |                                                |                                                   |                                                               |                   |                         |
| 6.3                                    | 3041426.6.3    | 2.5 / 63.5              | 2.5              | 63                                            | 22                                             | 45                                                | —                                                             | 330               | 21                      |
| 10                                     | 3041426.10     | 2.5 / 63.5              | 2.5              | 63                                            | 34                                             | 75                                                | —                                                             | 500               | 38                      |
| 16                                     | 3041426.16     | 2.5 / 63.5              | 2.5              | 63                                            | 56                                             | 250                                               | —                                                             | 1 800             | 37                      |
| 20                                     | 3041426.20     | 2.5 / 63.5              | 2.5              | 63                                            | 70                                             | 640                                               | —                                                             | 4 300             | 40                      |
| 25                                     | 3041426.25     | 2.5 / 63.5              | 2.5              | 63                                            | 90                                             | 1 050                                             | —                                                             | 6 700             | 56                      |
| 31.5                                   | 3041426.31.5   | 2.5 / 63.5              | 2.5              | 63                                            | 110                                            | 1 700                                             | —                                                             | 10 800            | 65                      |
| 40                                     | 3041426.40     | 2.5 / 63.5              | 2.5              | 63                                            | 140                                            | 2 900                                             | —                                                             | 17 100            | 84                      |
| <b>L1=359mm</b>                        |                |                         |                  |                                               |                                                |                                                   |                                                               |                   |                         |
| 50                                     | 3041526.50     | 2.5 / 63.5              | 2.9              | 63                                            | 170                                            | 5 700                                             | —                                                             | 29 700            | 101                     |
| 63                                     | 3041526.63     | 2.5 / 63.5              | 2.9              | 63                                            | 210                                            | 10 700                                            | —                                                             | 59 400            | 106                     |
| 80                                     | 3041526.80     | 2.5 / 63.5              | 2.9              | 63                                            | 280                                            | 21 000                                            | —                                                             | 126 000           | 137                     |

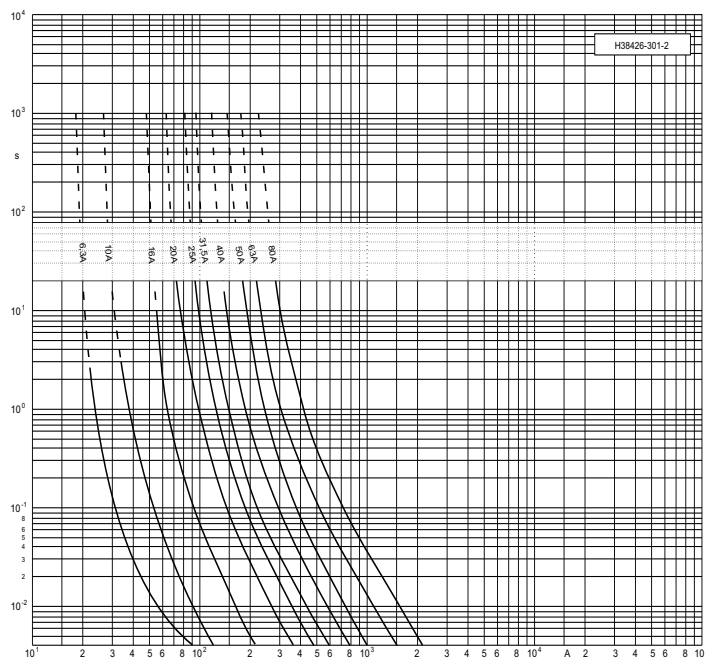


| Dimensions<br>[in/mm] |    |             |
|-----------------------|----|-------------|
| 3041426               |    | 3041526     |
| 10.00 / 254           | L1 | 14.13 / 359 |
| 13.94 / 354           | L2 | 18.07 / 459 |
| 11.97 / 304           | L3 | 16.10 / 409 |

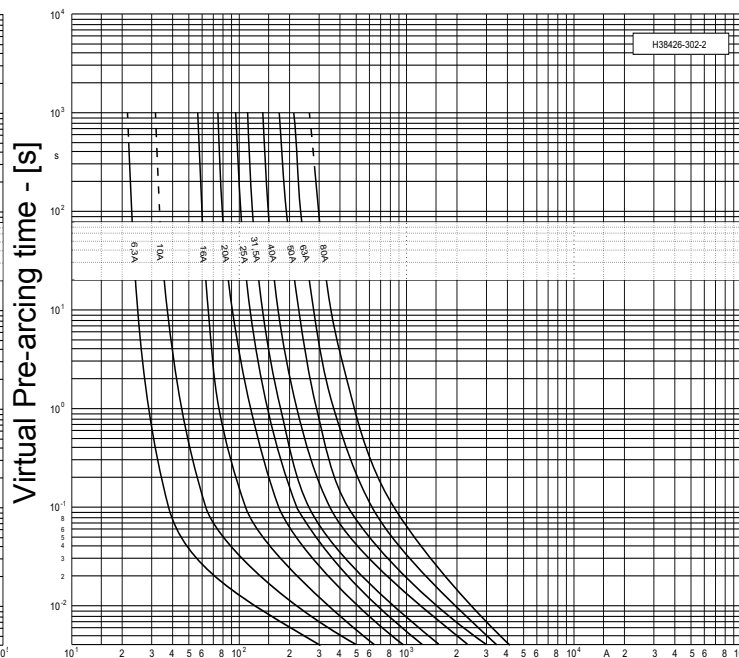
**HHA-BC Time-Current Characteristics - Minimum Melting and Total Clearing  
 Cut-Off Current Diagram  
 Current-Limiting, Back-Up, 15.5kV, L1 = 254mm/359mm (6.3A - 80A)**

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

Minimum Melting

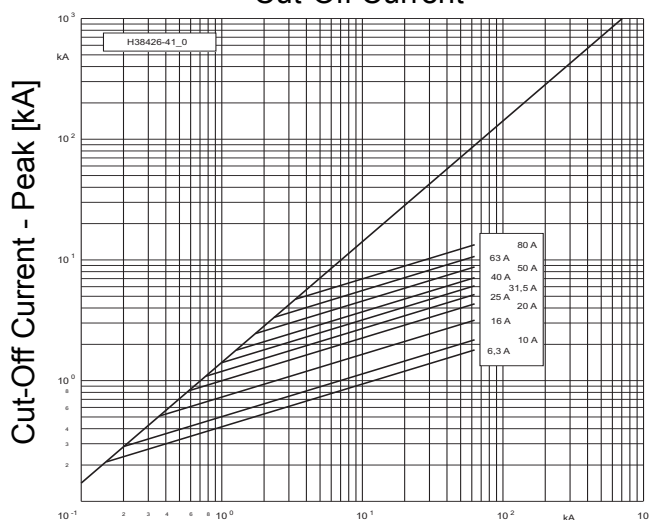


Total Clearing



R.M.S. Prospective Current [A]

Cut-Off Current



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

### HHa-BC

23kV - Rated Voltage[U<sub>n</sub>]

Size L1=359mm, 1/2"UNC - L Bracket

Size L1=359mm, M16 - L Bracket

Size L1=359mm, 2 - L Bracket

### High Voltage Current-Limiting Fuses

Capacitor Applications

with Striker - 50N

Class

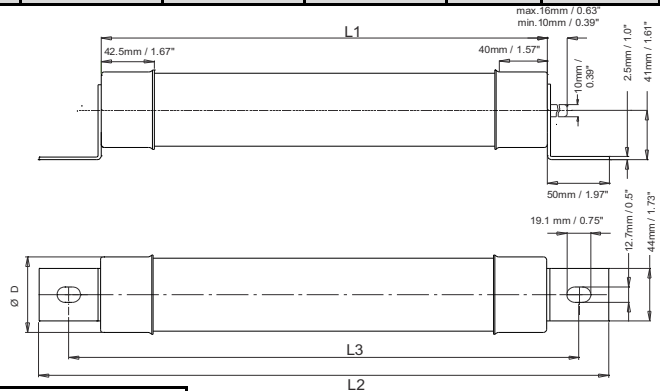
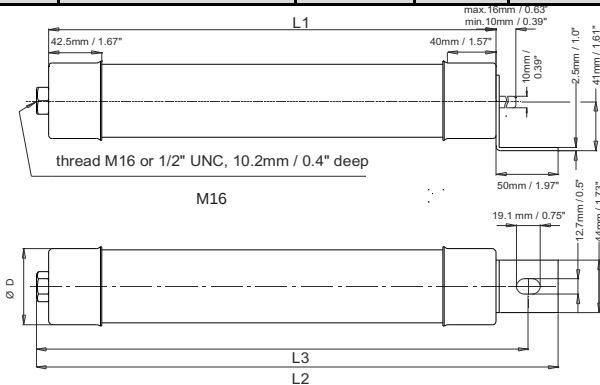
Back-Up

Standard(s)

IEC 60282-1



| Rated Current<br>$I_n$<br>[A] | Article Number | Diameter   | Weight<br>[kg/l] | Rated Breaking Current $I_1$<br>[kA] | Minimum Breaking Current $I_3$<br>[A] | Pre-arcing $I^2t$<br>[A <sup>2</sup> s] | Total $I^2t @ U_n$ |        | Power Loss<br>[W] | Cold Resistance<br>[mΩ] |
|-------------------------------|----------------|------------|------------------|--------------------------------------|---------------------------------------|-----------------------------------------|--------------------|--------|-------------------|-------------------------|
|                               |                | D          |                  |                                      |                                       |                                         | $I^2t$             | $U_n$  |                   |                         |
|                               |                |            |                  |                                      |                                       |                                         |                    |        |                   |                         |
| L1=359mm M=1/2"UNC            |                |            |                  |                                      |                                       |                                         |                    |        |                   |                         |
| 6.3                           | 3039026.6.3    | 2.5 / 63.5 | 2.9              | 63                                   | 22                                    | 45                                      | —                  | 330    | 31                | —                       |
| 10                            | 3039026.10     | 2.5 / 63.5 | 2.9              | 63                                   | 34                                    | 75                                      | —                  | 500    | 57                | —                       |
| 16                            | 3039026.16     | 2.5 / 63.5 | 2.9              | 63                                   | 56                                    | 250                                     | —                  | 1 800  | 56                | —                       |
| 20                            | 3039026.20     | 2.5 / 63.5 | 2.9              | 63                                   | 70                                    | 640                                     | —                  | 4 300  | 60                | —                       |
| 25                            | 3039026.25     | 2.5 / 63.5 | 2.9              | 63                                   | 90                                    | 1 050                                   | —                  | 6 700  | 84                | —                       |
| 31.5                          | 3039026.31.5   | 2.5 / 63.5 | 2.9              | 63                                   | 110                                   | 1 700                                   | —                  | 10 800 | 95                | —                       |
| 40                            | 3039026.40     | 2.5 / 63.5 | 2.9              | 63                                   | 140                                   | 2 900                                   | —                  | 17 100 | 125               | —                       |
| 50                            | 3039026.50     | 2.5 / 63.5 | 2.9              | 63                                   | 170                                   | 5 700                                   | —                  | 29 700 | 151               | —                       |
| L1=359mm M=M16                |                |            |                  |                                      |                                       |                                         |                    |        |                   |                         |
| 6.3                           | 3040926.6.3    | 2.5 / 63.5 | 2.9              | 63                                   | 22                                    | 45                                      | —                  | 330    | 31                | —                       |
| 10                            | 3040926.10     | 2.5 / 63.5 | 2.9              | 63                                   | 34                                    | 75                                      | —                  | 500    | 57                | —                       |
| 16                            | 3040926.16     | 2.5 / 63.5 | 2.9              | 63                                   | 56                                    | 250                                     | —                  | 1 800  | 56                | —                       |
| 20                            | 3040926.20     | 2.5 / 63.5 | 2.9              | 63                                   | 70                                    | 640                                     | —                  | 4 300  | 60                | —                       |
| 25                            | 3040926.25     | 2.5 / 63.5 | 2.9              | 63                                   | 90                                    | 1 050                                   | —                  | 6 700  | 84                | —                       |
| 31.5                          | 3040926.31.5   | 2.5 / 63.5 | 2.9              | 63                                   | 110                                   | 1 700                                   | —                  | 10 800 | 95                | —                       |
| 40                            | 3040926.40     | 2.5 / 63.5 | 2.9              | 63                                   | 140                                   | 2 900                                   | —                  | 17 100 | 125               | —                       |
| 50                            | 3040926.50     | 2.5 / 63.5 | 2.9              | 63                                   | 170                                   | 5 700                                   | —                  | 29 700 | 151               | —                       |
| 2L-Bracket, L1=359mm          |                |            |                  |                                      |                                       |                                         |                    |        |                   |                         |
| 6.3                           | 3041626.6.3    | 2.5 / 63.5 | 2.9              | 63                                   | 22                                    | 45                                      | —                  | 330    | 31                | —                       |
| 10                            | 3041626.10     | 2.5 / 63.5 | 2.9              | 63                                   | 34                                    | 75                                      | —                  | 500    | 57                | —                       |
| 16                            | 3041626.16     | 2.5 / 63.5 | 2.9              | 63                                   | 56                                    | 250                                     | —                  | 1 800  | 56                | —                       |
| 20                            | 3041626.20     | 2.5 / 63.5 | 2.9              | 63                                   | 70                                    | 640                                     | —                  | 4 300  | 60                | —                       |
| 25                            | 3041626.25     | 2.5 / 63.5 | 2.9              | 63                                   | 90                                    | 1 050                                   | —                  | 6 700  | 84                | —                       |
| 31.5                          | 3041626.31.5   | 2.5 / 63.5 | 2.9              | 63                                   | 110                                   | 1 700                                   | —                  | 10 800 | 95                | —                       |
| 40                            | 3041626.40     | 2.5 / 63.5 | 2.9              | 63                                   | 140                                   | 2 900                                   | —                  | 17 100 | 125               | —                       |
| 50                            | 3041626.50     | 2.5 / 63.5 | 2.9              | 63                                   | 170                                   | 5 700                                   | —                  | 29 700 | 151               | —                       |



|    | Dimensions<br>[in/mm] |             |             |
|----|-----------------------|-------------|-------------|
|    | 3039026               | 3040926     | 3041626     |
| L1 | 14.13 / 359           | 14.13 / 359 | 14.13 / 359 |
| L2 | 16.53 / 420           | 16.53 / 420 | 18.07 / 459 |
| L3 | 11.42 / 290           | 15.55 / 395 | 16.10 / 409 |

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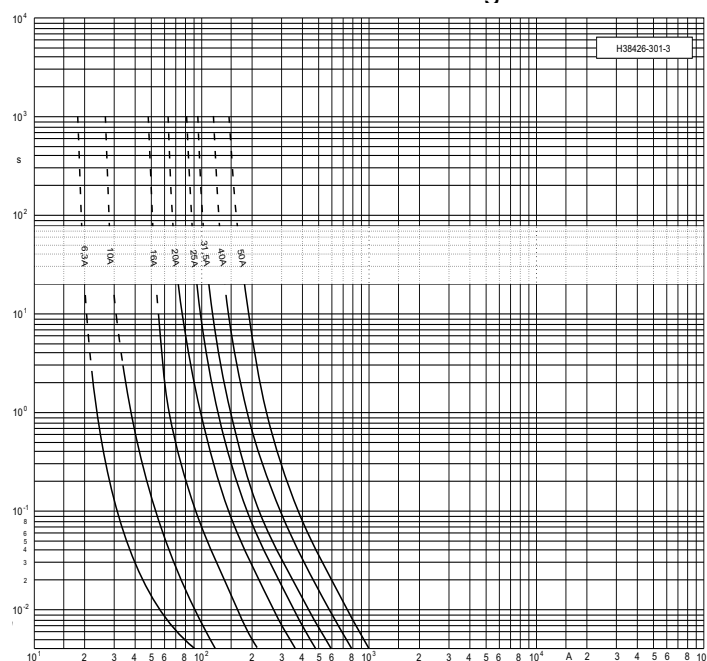
e-mail: info@sibafuse.com

www.siba-fuses.us

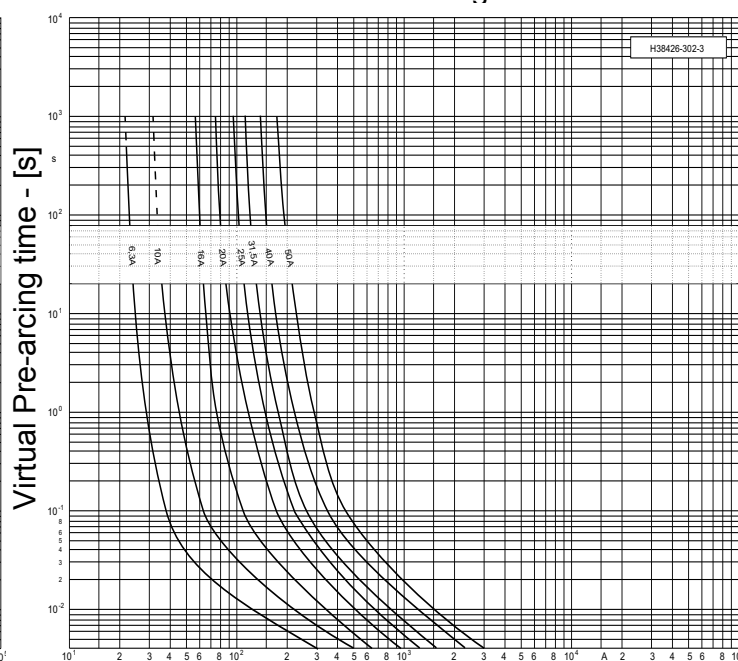
**HHA-BC Time-Current Characteristics - Minimum Melting and Total Clearing  
Cut-Off Current Diagram**  
**Current-Limiting, Back-Up, 23kV, L1 = 359mm (25A - 50A)**

3039026.6.3 - 50, 3040926.6.3 - 50, 3041626.6.3 - 50

**Minimum Melting**

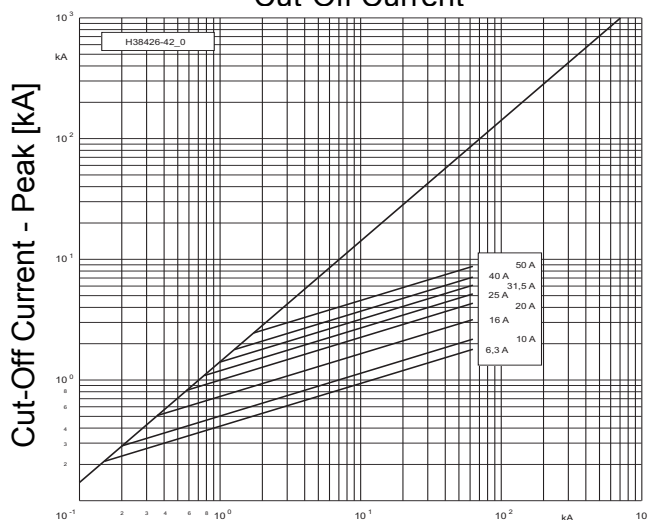


**Total Clearing**



R.M.S. Prospective Current [A]

**Cut-Off Current**



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