

Selection Guide

HHD-B, DIN 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, 315, 355, 400, 500

E=192mm	Page	E=292mm	Page	E=367mm	Page	E=442mm	Page	E=537mm	Page
3 / 7.2kV									
3000213.6.3 - 50	28	3009813.6.3 - 50	30			3010813.6.3 - 50	32		
3001013.63 - 125	28	3009913.63 - 125	30			3010913.63 - 125	32		
3001813.160	28	3010013.160	30			3011013.160	32		
3001814.200 - 250	28	3010014.200 - 355	30			3011014.200 - 500	32		
6 / 12kV									
3011913.6.3 - 16	34	3000413.6.3 - 50	36			3010113.6.3 - 50	38	3021113.100 - 160	40
3026713.20 - 63	34	3001213.63 - 125	36			3010213.63 - 125	38	3021114.200 - 315	40
		3002013.160	36			3010313.160	38		
		3002014.200 - 250	36			3010314.200 - 250	38		
10 / 17.5kV									
		3025513.6.3 - 16	42	3017613.6.3 - 25	44	3023113.6.3 - 40	46		
		3022113.20 - 63	42	3017713.31.5 - 63	44	3023213.50 - 80	46		
		3022213.80 - 160	42	3017813.80 - 160	44	3023313.100 - 160	46		
				3017814.200	44	3023314.315	46		
10 / 24kV									
		3018013.6.3 - 16	48			3000613.6.3 - 40	50	3020313.6.3 - 40	52
		3022513.20 - 63	48			3001413.50 - 80	50	3020413.50 - 80	52
						3002213.100 - 160	50	3019613.100 - 160	52
						3002214.200 - 250	50	3019614.200 - 250	52
20 / 36kV									
		3045411.6.3 - 16	54			3018113.6.3 - 16	56	3000813.6.3 - 25	58
						3029513.20 - 25	56	3001613.31.5 - 40	58
								3002413.50 - 100	58
27kV									
						3028913.6.3 - 16	60		
						3028813.20 - 63	60		
						3028713.80 - 125	60		
38.5kV									
								3033713.6.3 - 10	62
								3033813.16 - 31.5	62
								3033913.40 - 63	62
40.5kV									
								3034013.6.3 - 20	64
								3034113.25 - 40	64
								3034213.50 - 63	64
								3047513.80	64

HHD-B
3/7.2kV - Rated Voltage

High Voltage Current-Limiting Fuses

For air & gas-insulated switchgear,
indoor and outdoor applications

Class
Back-Up



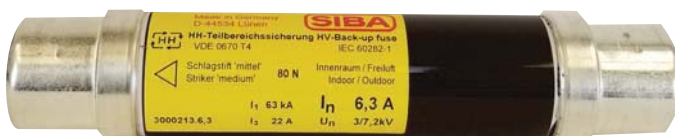
Standard(s)
DIN 43 625
IEC 60282-1
VDE 0670-4

E=192mm

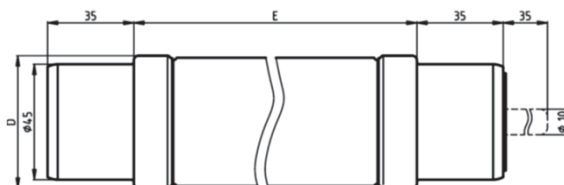
Rated current I_n [A]	Article Number	Diameter D [in/mm]	Weight [kg/l]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @ $0.87U_n(\text{Min})$ [A ² s]	$0.87U_n(\text{Max})$ [A ² s]	Power loss [W]	Cold resistance [mΩ]
With 80N Striker and Temperature Limiter										
6.3	3000213.6.3	2.09 / 53	1.2	63	22	45	210	360	10	178
10	3000213.10	2.09 / 53	1.2	63	34	75	350	560	17	113
16	3000213.16	2.09 / 53	1.2	63	56	250	1 100	2 000	17	50
20	3000213.20	2.09 / 53	1.2	63	70	640	2 900	4 800	13	27
25	3000213.25	2.09 / 53	1.2	63	90	1 050	4 700	7 500	16	21
31.5	3000213.31.5	2.09 / 53	1.2	63	110	1 700	6 600	12 000	21	17
40	3000213.40	2.09 / 53	1.2	63	140	2 900	12 000	19 000	27	13
50	3000213.50	2.09 / 53	1.2	63	170	5 700	20 000	33 000	30	9.3
63	3001013.63	2.64 / 67	1.5	63	210	10 700	40 000	66 000	38	6.8
80	3001013.80	2.64 / 67	1.5	63	280	21 000	78 000	140 000	47	4.8
100	3001013.100	2.64 / 67	1.5	63	320	33 000	130 000	210 000	60	3.8
125	3001013.125	2.64 / 67	1.5	63	390	47 000	180 000	390 000	98	3.3
160	3001813.160	3.35 / 85	2.9	63	600	90 000	330 000	570 000	124	2.7
With 120N Striker										
RC140 [*]	3001814.200	3.35 / 85	2.9	50	800	225 000	540 000	920 000	60 ¹	2.2
RC160 [*]	3001814.250	3.35 / 85	2.9	50	1 000	265 000	660 000	1 100 000	70 ¹	2.0

* Rated current per IEC 60282-1
RC - Please see page 11

¹ At rated current per IEC 60282-1



Dimensions [mm]



Accessories

Article Description	≤ 200A	> 200A	Page(s)
Fuse base, indoor	3100102	3100106	188
Fuse base, outdoor	3100201	3100206	189
Fuse clips	3100302.20	3400101.20	190
Fuse clips w/ connecting bar	3400201	3400102	
Microswitch assembly, * preferred	250mm - 3100116, 660mm - 3100110 & 3100210*, 900mm - 3100114, 1200mm - 3100117		187

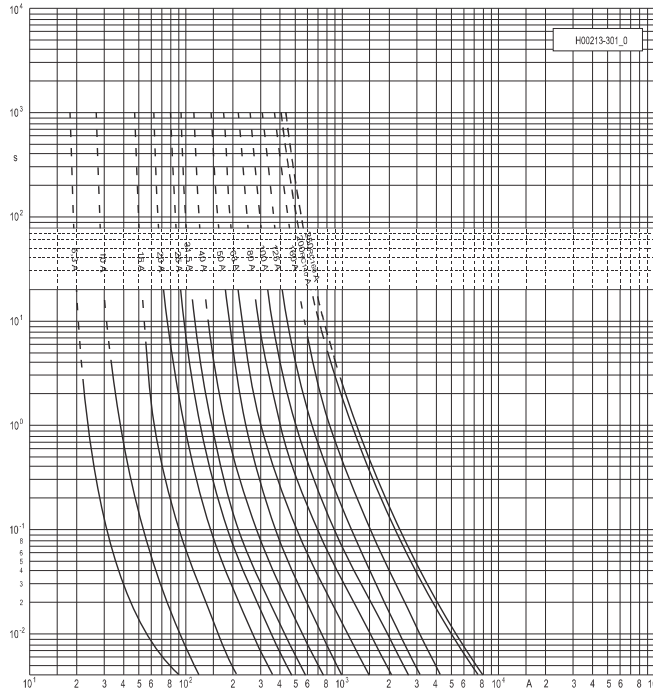
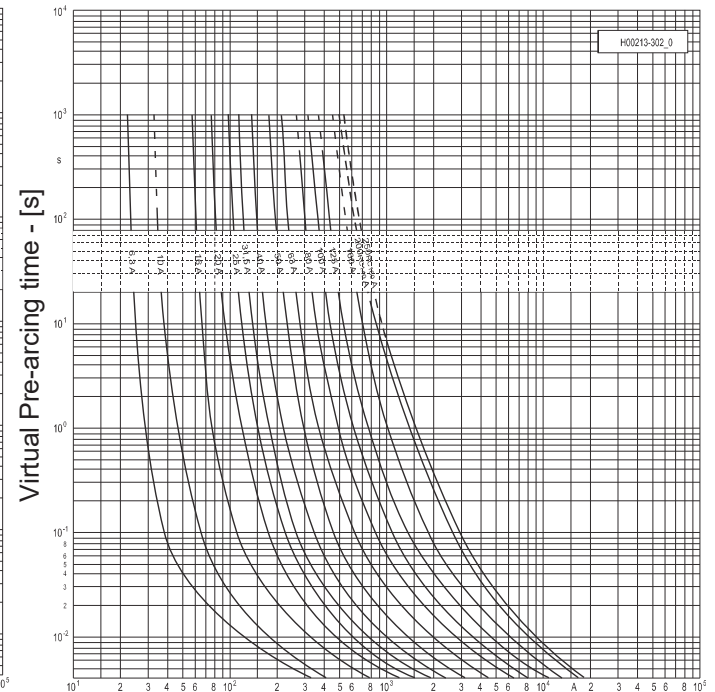
SIBA LLC

29 Fairfield Place
West Caldwell, New Jersey 07006

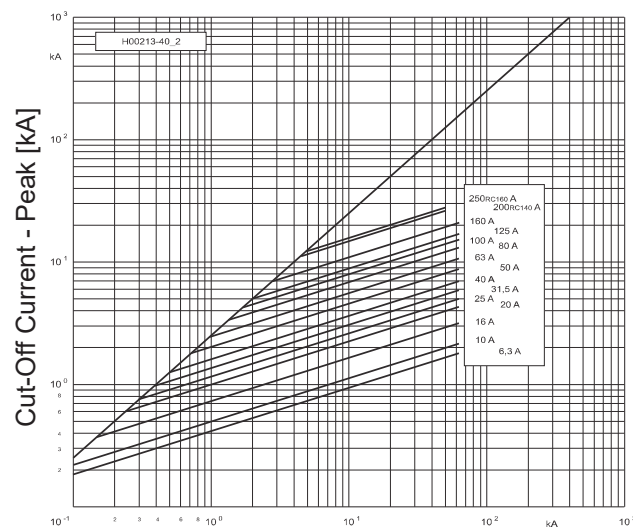
portal: www.siballc.net
e-mail: info@sibafuse.com

HHD-B**Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram****Current-Limiting, Back-Up, 3/7.2kV, E = 192mm (6.3A - 250A)**

3000213.6.3 - 50, 3001013.63 - 125, 3001813.160, 3001814.200 - 250

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

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

Full size graphs available upon request.

HHD-B
3/7.2kV - Rated Voltage

High Voltage Current-Limiting Fuses

For air & gas-insulated switchgear,
indoor and outdoor applications

Class
Back-Up



Standard(s)

DIN 43 625

IEC 60282-1

VDE 0670-4

E=292mm

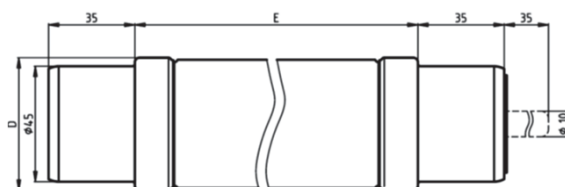
Rated current I_n [A]	Article Number	Diameter D [in/mm]	Weight [kg/l]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @ 0.87U _n (Min) [A ² s]	0.87U _n (Max) [A ² s]	Power loss ¹ [W]	Cold resistance [mΩ]
With 80N Striker and Temperature Limiter										
6.3	3009813.6.3	2.09 / 53	1.6	63	22	45	210	360	10	178
10	3009813.10	2.09 / 53	1.6	63	34	75	350	560	17	113
16	3009813.16	2.09 / 53	1.6	63	56	250	1 100	2 000	17	50
20	3009813.20	2.09 / 53	1.6	63	70	640	2 900	4 800	13	27
25	3009813.25	2.09 / 53	1.6	63	90	1 050	4 700	7 500	16	21
31.5	3009813.31.5	2.09 / 53	1.6	63	110	1 700	6 600	12 000	21	17
40	3009813.40	2.09 / 53	1.6	63	140	2 900	12 000	19 000	27	13
50	3009813.50	2.09 / 53	1.6	63	170	5 700	20 000	33 000	30	9.3
63	3009913.63	2.64 / 67	2.6	63	210	10 700	40 000	66 000	34	6.8
80	3009913.80	2.64 / 67	2.6	63	280	21 000	78 000	140 000	47	4.8
100	3009913.100	2.64 / 67	2.6	63	320	33 000	130 000	210 000	58	3.8
125	3009913.125	2.64 / 67	2.6	63	390	47 000	180 000	390 000	98	3.3
160	3010013.160	3.35 / 85	3.9	63	600	90 000	330 000	570 000	103	2.7
With 120N Striker										
RC160*	3010014.200	3.35 / 85	3.9	50	800	230 000	480 000	704 000	74 ¹	2.2
RC180*	3010014.250	3.35 / 85	3.9	50	1 000	371 000	750 000	1 100 000	77 ¹	1.7
RC200*	3010014.315	3.35 / 85	3.9	50	1 260	545 000	1 060 000	1 616 000	81 ¹	1.4
RC225*	3010014.355	3.35 / 85	3.9	50	1 420	825 000	1 420 000	2 225 000	89 ¹	1.2

* Rated current per IEC 60282-1
RC - Please see page 11

¹ At rated current per IEC 60282-1



Dimensions [mm]



Accessories

Article Description	≤ 200A	> 200A	Page(s)
Fuse base, indoor	3100302	3100306	188
Fuse base, outdoor	3100401	3100406	189
Fuse clips	3100302.20	3400101.20	190
Fuse clips w/ connecting bar	3400201	3400102	
Microswitch assembly, * preferred	250mm - 3100116, 660mm - 3100110 & 3100210*, 900mm - 3100114, 1200mm - 3100117		187

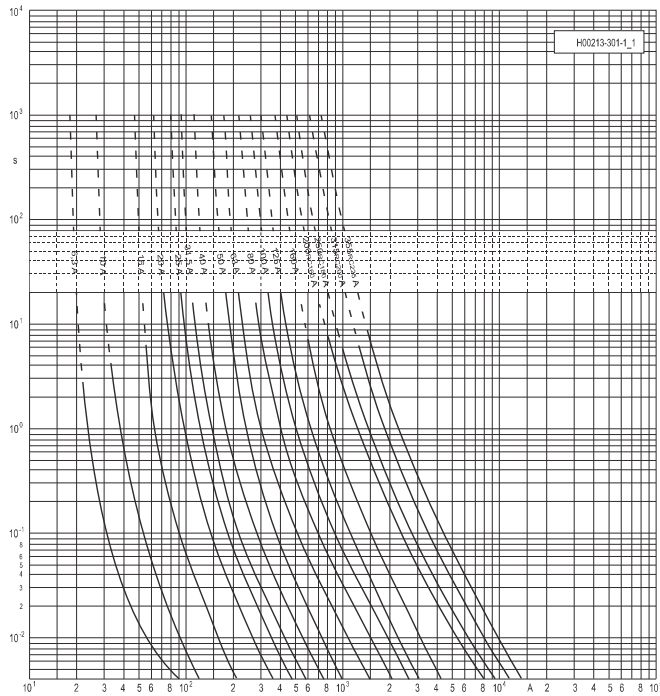
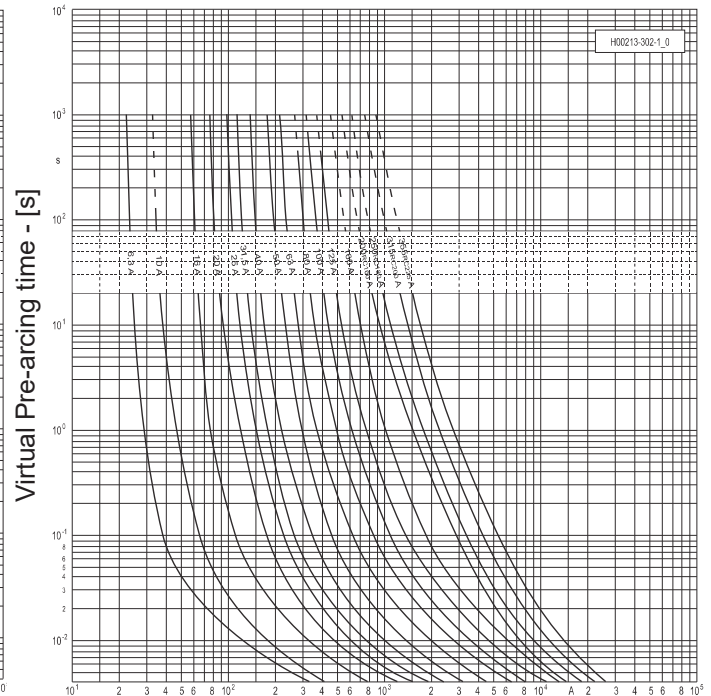
SIBA LLC

29 Fairfield Place
West Caldwell, New Jersey 07006

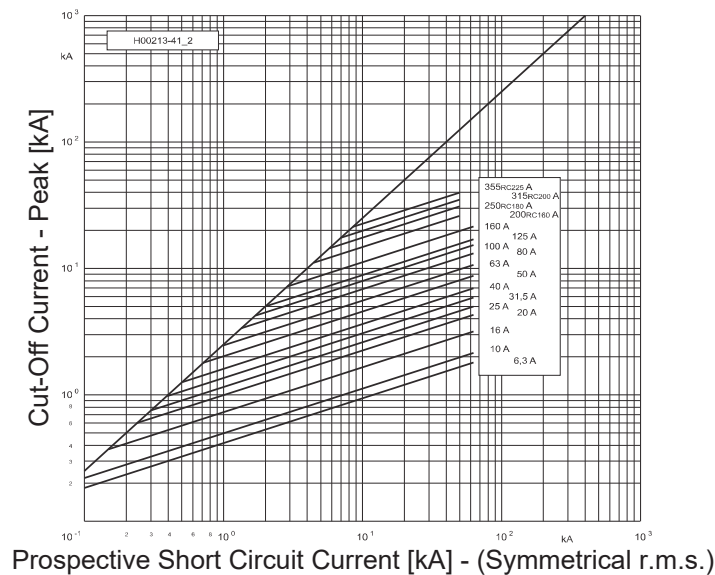
portal: www.siballc.net
e-mail: info@sibafuse.com

HHD-B**Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram****Current-Limiting, Back-Up, 3/7.2kV, E = 292mm (6.3A - 355A)**

3009813.6.3 - 50, 3009913.63 - 125, 3010013.160, 3010014.200RC160 - 355

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

Full size graphs available upon request.

HHD-B
3/7.2kV - Rated Voltage

High Voltage Current-Limiting Fuses

For air & gas-insulated switchgear,
indoor and outdoor applications

Class
Back-Up



Standard(s)
DIN 43 625
IEC 60282-1
VDE 0670-4

E=442mm

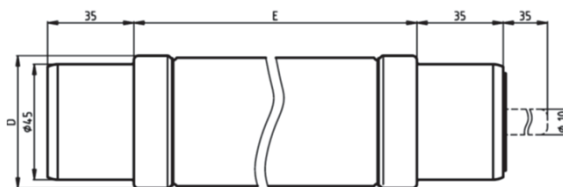
Rated current I_n [A]	Article Number	Diameter D [in/mm]	Weight [kg/l]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @ $0.87U_n(\text{Min})$ [A ² s]	$0.87U_n(\text{Max})$ [A ² s]	Power loss ¹ [W]	Cold resistance [mΩ]
With 80N Striker and Temperature Limiter										
6.3	3010813.6.3	2.09 / 53	2.6	63	22	45	210	360	10	178
10	3010813.10	2.09 / 53	2.6	63	34	75	350	560	17	113
16	3010813.16	2.09 / 53	2.6	63	56	250	1 100	2 000	17	50
20	3010813.20	2.09 / 53	2.6	63	70	640	2 900	4 800	13	27
25	3010813.25	2.09 / 53	2.6	63	90	1 050	4 700	7 500	16	21
31.5	3010813.31.5	2.09 / 53	2.6	63	110	1 700	6 600	12 000	21	17
40	3010813.40	2.09 / 53	2.6	63	140	2 900	12 000	19 000	27	13
50	3010813.50	2.09 / 53	2.6	63	170	5 700	20 000	33 000	30	9.3
63	3010913.63	2.64 / 67	3.7	63	210	10 700	40 000	66 000	34	6.8
80	3010913.80	2.64 / 67	3.7	63	280	21 000	78 000	140 000	47	4.8
100	3010913.100	2.64 / 67	3.7	63	320	33 000	130 000	210 000	58	3.8
125	3010913.125	2.64 / 67	3.7	63	390	47 000	180 000	390 000	85	3.3
160	3011013.160	3.35 / 85	5.7	63	600	90 000	330 000	570 000	98	3.2
With 120N Striker										
200	3011014.200	3.35 / 85	5.7	50	800	230 000	480 000	704 000	121	2.2
RC225*	3011014.250	3.35 / 85	5.7	50	1 000	371 000	750 000	1 100 000	145 ¹	1.7
RC250*	3011014.315	3.35 / 85	5.7	50	1 260	545 000	1 060 000	1 616 000	143 ¹	1.4
RC280*	3011014.355	3.35 / 85	5.7	50	1 420	825 000	1 420 000	2 225 000	154	1.2
RC315*	3011014.400	3.35 / 85	5.7	50	1 600	1 000 000	1 900 000	2 528 000	165 ¹	1.1
RC355*	3011014.500	3.35 / 85	5.7	50	2 000	1 668 000	3 160 000	4 500 000	176 ¹	0.85

* Rated current per IEC 60282-1
RC - Please see page 11

¹ At rated current per IEC 60282-1



Dimensions [mm]



Accessories

Article Description	≤ 200A	> 200A		Page(s)
Fuse base, indoor	3110102	3110106		188
Fuse base, outdoor	Contact SIBA	Contact SIBA		—
Fuse clips	3100302.20	3400101.20		190
Fuse clips w/ connecting bar	3400201	3400102		
Microswitch assembly, * preferred	250mm - 3100116, 660mm - 3100110 & 3100210*, 900mm - 3100114, 1200mm - 3100117			187

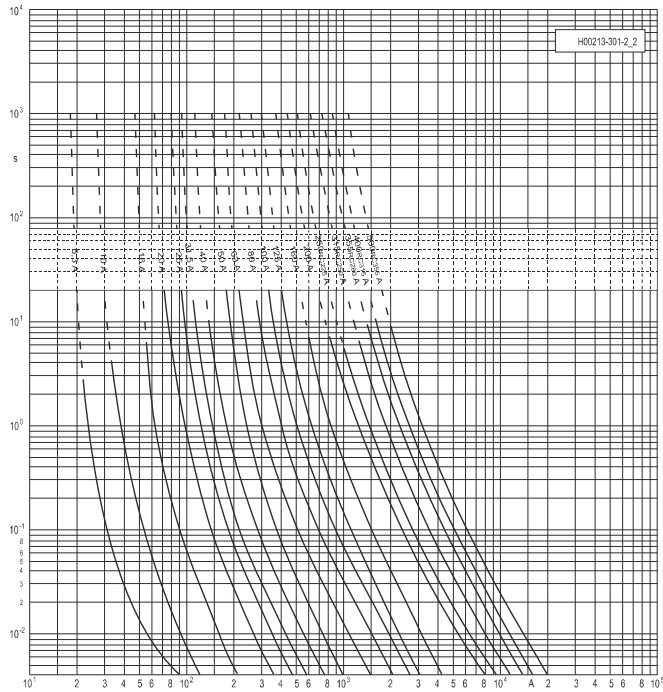
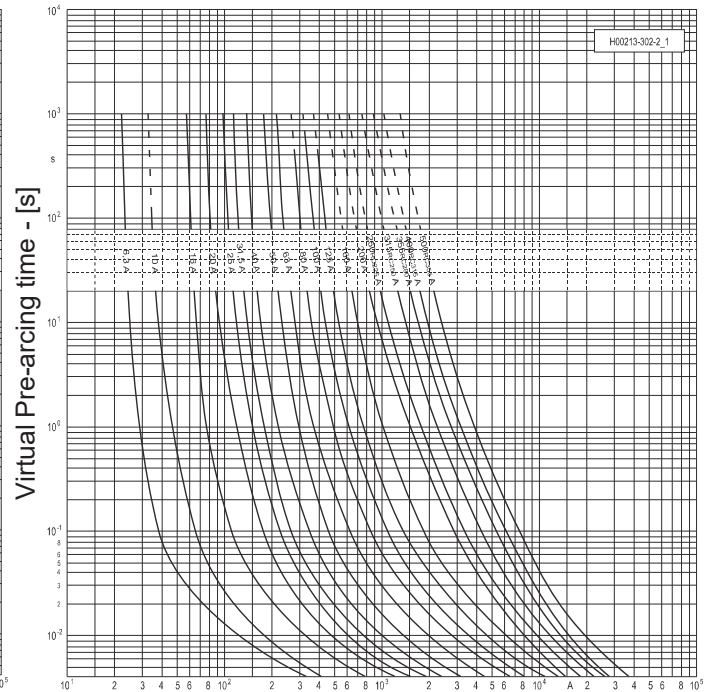
SIBA LLC

29 Fairfield Place
West Caldwell, New Jersey 07006

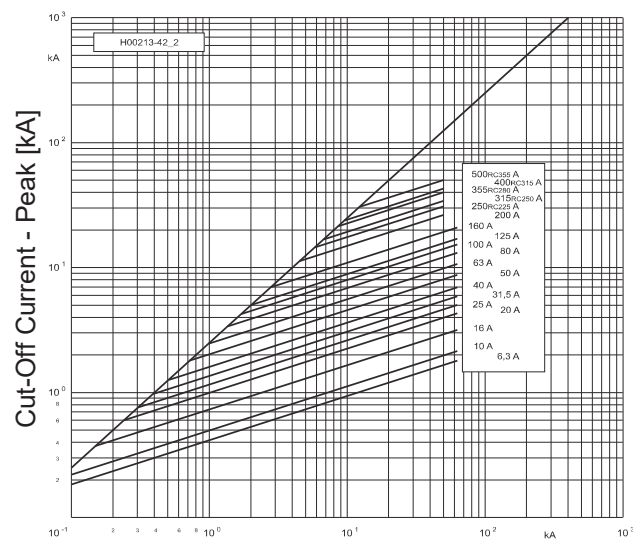
portal: www.siballc.net
e-mail: info@sibafuse.com

HHD-B**Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram****Current-Limiting, Back-Up, 3/7.2kV, E = 442mm (6.3A - 500A)**

3010813.6.3 - 50, 3010913.63 - 125, 3011013.160, 3011014.200 - 500

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

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

Full size graphs available upon request.

HHD-B
6/12kV - Rated Voltage
High Voltage Current-Limiting Fuses

 For air & gas-insulated switchgear,
 indoor and outdoor applications

Class
Back-Up

Standard(s)

DIN 43 625

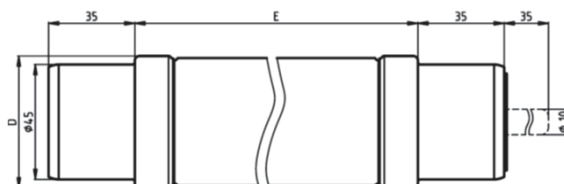
IEC 60282-1

VDE 0670-4

E=192mm

Rated current I_n [A]	Article Number	Diameter [in/mm]	Weight [kg/l]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @ $0.87U_n(\text{Min})$ [A ² s]	$0.87U_n(\text{Max})$ [A ² s]	Power loss ¹ [W]	Cold resistance [mΩ]
With 80N Striker and Temperature Limiter										
6.3	3011913.6.3	2.09 / 53	1.2	63	22	45	210	360	16	297
10	3011913.10	2.09 / 53	1.2	63	34	75	350	560	28	189
16	3011913.16	2.09 / 53	1.2	63	56	250	1 100	2 000	28	87
20	3026713.20	2.64 / 67	1.5	63	70	640	2 900	4 800	23	46
25	3026713.25	2.64 / 67	1.5	63	90	1 050	4 700	7 500	29	36
31.5	3026713.31.5	2.64 / 67	1.5	63	110	1 700	6 600	12 000	38	29
40	3026713.40	2.64 / 67	1.5	63	140	2 900	12 000	19 000	50	22
50	3026713.50	2.64 / 67	1.5	63	170	5 700	20 000	33 000	56	16
63	3026713.63	2.64 / 67	1.5	63	210	10 700	40 000	66 000	63	12

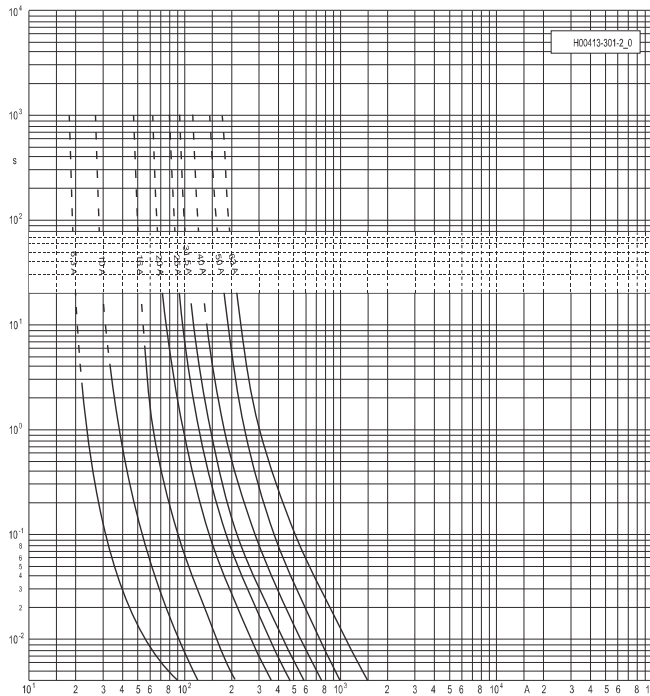
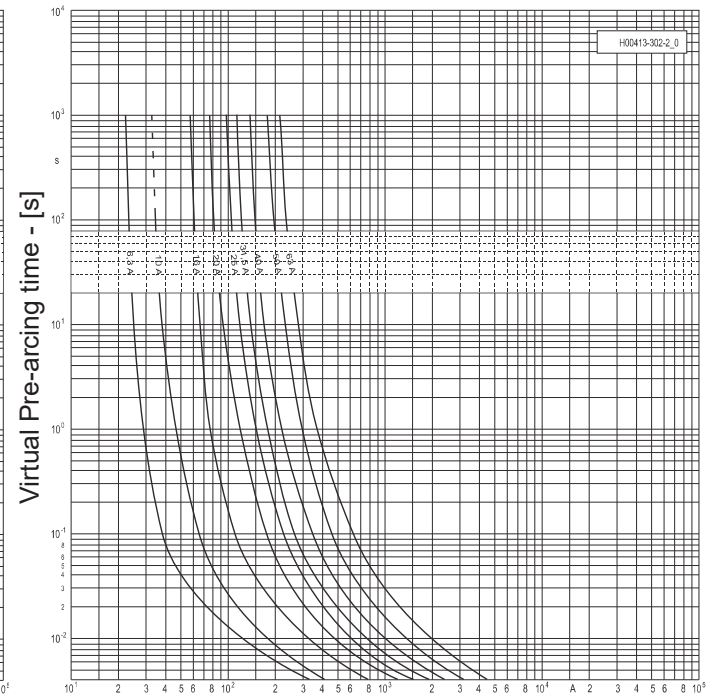
¹ At rated current per IEC 60282-1

Dimensions [mm]

Accessories

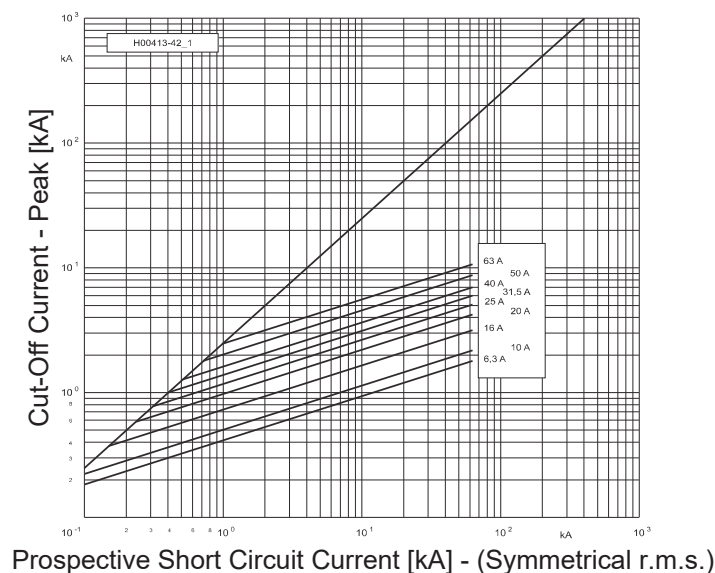
Article Description	≤ 200A	> 200A	Page(s)
Fuse base, indoor	Contact SIBA	—	—
Fuse base, outdoor	Contact SIBA	—	—
Fuse clips	3100302.20	3400101.20	190
Fuse clips w/ connecting bar	3400201	3400102	
Microswitch assembly, * preferred	250mm - 3100116, 660mm - 3100110 & 3100210*, 900mm - 3100114, 1200mm - 3100117		187

HHD-B**Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram****Current-Limiting, Back-Up, 6/12kV, E = 192mm (6.3A - 63A)**

3011913.6.3 - 16, 3026713.20 - 63

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

Full size graphs available upon request.

HHD-B

6/12kV - Rated Voltage

Improved Cyclic Stability

(ICS® - ✓)

E=292mm

High Voltage Current-Limiting Fuses

For air & gas-insulated switchgear,
indoor and outdoor applications

Class

Back-Up

Standard(s)

DIN 43 625

IEC 60282-1

VDE 0670-4



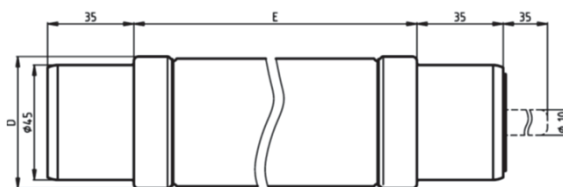
Rated current I_n [A]	Article Number	Diameter D [in/mm]	Weight [kg/l]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A²s]	Total I^2t @ $0.87U_n(\text{Min})$ [A²s]	$0.87U_n(\text{Max})$ [A²s]	Power loss¹ [W]	Cold resistance [mΩ]
With 80N Striker and Temperature Limiter										
6.3	3000413.6.3	2.09 / 53	1.6	63	22	45	210	360	16	297
10	3000413.10	2.09 / 53	1.6	63	34	75	350	560	28	189
16	3000413.16	2.09 / 53	1.6	63	56	250	1 100	2 000	28	84
20	3000413.20	2.09 / 53	1.6	63	70	640	2 900	4 800	23	45
25	3000413.25	2.09 / 53	1.6	63	90	1 050	4 700	7 500	29	34
31.5	3000413.31.5	2.09 / 53	1.6	63	110	1 700	6 600	12 000	38	28
40	3000413.40	2.09 / 53	1.6	63	140	2 900	12 000	19 000	50	22
50	3000413.50	2.09 / 53	1.6	63	170	5 700	20 000	33 000	56	16
63	3001213.63	2.64 / 67	2.6	63	210	10 700	40 000	66 000	63	12
80	3001213.80	2.64 / 67	2.6	63	280	21 000	64 000	140 000	76	8.5
RC90*	3001213.100 ✓	2.64 / 67	2.6	63	320	28 000	97 000	210 000	91¹	6.5
RC100*	3001213.125 ✓	2.64 / 67	2.6	63	390	38 000	138 000	300 000	99¹	5.5
RC125*	3002013.160 ✓	3.35 / 85	3.9	63	600	78 000	350 000	615 000	96¹	4.2
With 120N Striker										
RC125*	3002014.200 ✓	3.35 / 85	3.9	50	800	227 000	465 000	800 000	91¹	3.6
RC140*	3002014.250 ✓	3.35 / 85	3.9	50	1 000	265 000	540 000	930 000	92¹	3.2

* Rated current per IEC 60282-1
RC - Please see page 11

¹ At rated current per IEC 60282-1



Dimensions [mm]



Accessories

Article Description	≤ 200A	> 200A	Page(s)
Fuse base, indoor	3100302	3100306	188
Fuse base, outdoor	3100401	3100406	189
Fuse clips	3100302.20	3400101.20	190
Fuse clips w/ connecting bar	3400201	3400102	
Microswitch assembly, * preferred	250mm - 3100116, 660mm - 3100110 & 3100210*, 900mm - 3100114, 1200mm - 3100117		187

SIBA LLC

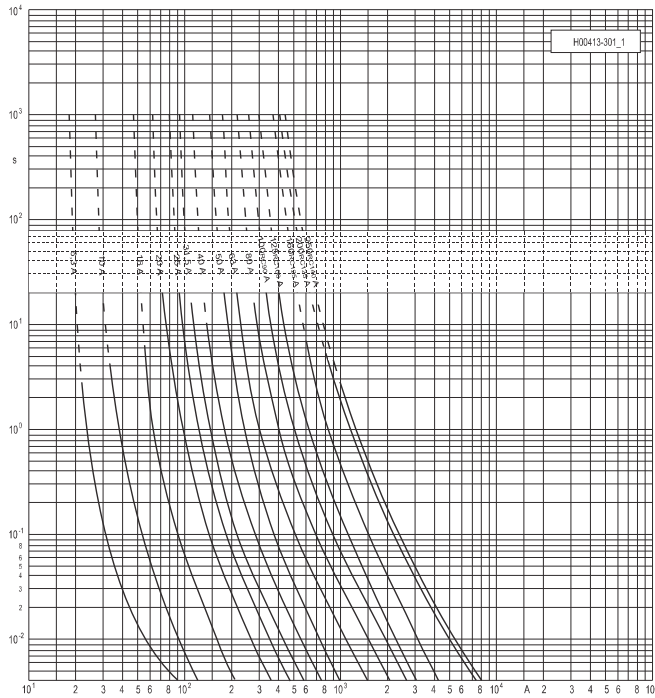
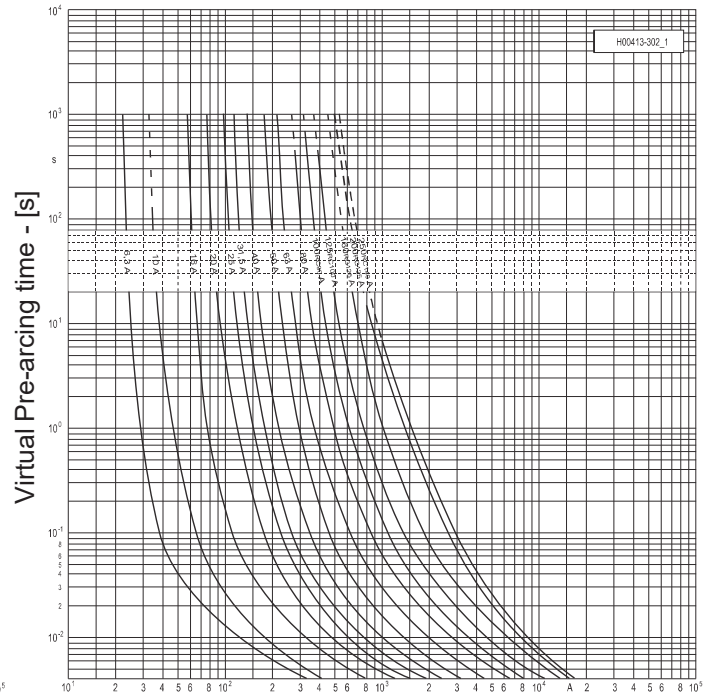
29 Fairfield Place
West Caldwell, New Jersey 07006

Phone 1-973-575-7422
Fax 1-973-575-5858

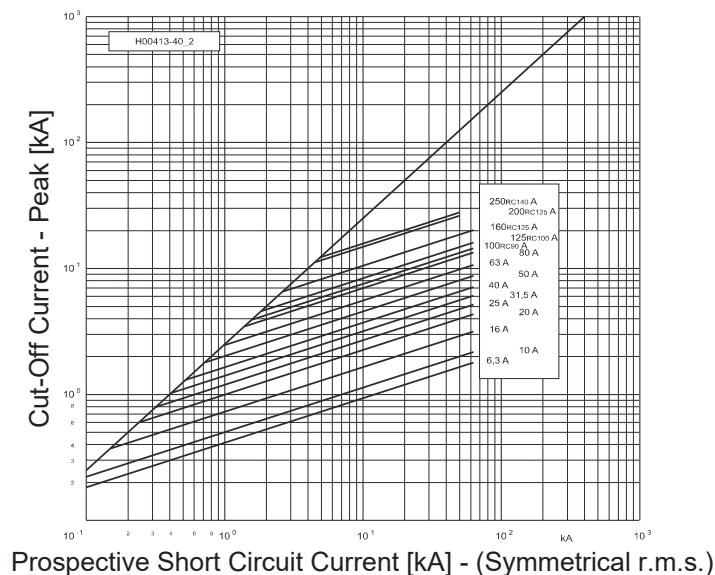
portal: www.siballc.net
e-mail: info@sibafuse.com

HHD-B**Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram****Current-Limiting, Back-Up, 6/12kV, E = 292mm (6.3A - 250A)**

3000413.6.3 - 50, 3001213.63 - 125, 3002013.160, 3002014.200 - 250

Minimum Melting**Minimum Melting
Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

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

Full size graphs available upon request.

HHD-B

6/12kV - Rated Voltage

Improved Cyclic Stability

(ICS® - ✓)

E=442mm

High Voltage Current-Limiting Fuses

For air & gas-insulated switchgear,
indoor and outdoor applications

Class

Back-Up



Standard(s)

DIN 43 625

IEC 60282-1

VDE 0670-4

Rated current I_n [A]	Article Number	Diameter D [in/mm]	Weight [kg/l]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A²s]	Total I^2t @ $0.87U_n(\text{Min})$ [A²s]	$0.87U_n(\text{Max})$ [A²s]	Power loss¹ [W]	Cold resistance [mΩ]
With 80N Striker and Temperature Limiter										
6.3	3010113.6.3	2.09 / 53	2.3	63	22	45	210	360	16	297
10	3010113.10	2.09 / 53	2.3	63	34	75	350	560	28	189
16	3010113.16	2.09 / 53	2.3	63	56	250	1 100	2 000	19	87
20	3010113.20	2.09 / 53	2.3	63	70	640	2 900	4 800	22	46
25	3010113.25	2.09 / 53	2.3	63	90	1 050	4 700	7 500	28	36
31.5	3010113.31.5	2.09 / 53	2.3	63	110	1 700	6 600	12 000	37	29
40	3010113.40	2.09 / 53	2.3	63	140	2 900	12 000	19 000	48	22
50	3010113.50	2.09 / 53	2.3	63	170	5 700	20 000	33 000	54	16
63	3010213.63	2.64 / 67	3.7	63	210	10 700	40 000	66 000	58	12
80	3010213.80 ✓	2.64 / 67	3.7	63	280	21 000	64 000	140 000	70	8.5
100	3010213.100 ✓	2.64 / 67	3.7	63	320	28 000	97 000	210 000	96	6.5
RC110*	3010213.125 ✓	2.64 / 67	3.7	63	390	38 000	133 000	300 000	105¹	5.5
RC140*	3010313.160 ✓	3.35 / 85	5.7	63	600	78 000	350 000	615 000	127¹	4.1
With 120N Striker										
RC180*	3010314.200 ✓	3.35 / 85	5.7	50	800	310 000	630 000	1 200 000	134¹	3.0
RC200*	3010314.250 ✓	3.35 / 85	5.7	50	1 000	405 000	850 000	1 500 000	139¹	2.6

* Rated current per IEC 60282-1
RC - Please see page 11

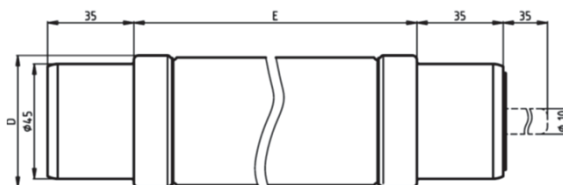
¹ At rated current per IEC 60282-1

13.2kV Current-Limiting Back-Up

125	3046913.125	3.35 / 85	5.7	63	Contact SIBA
-----	-------------	-----------	-----	----	--------------



Dimensions [mm]



Accessories

Article Description	≤ 200A	> 200A	Page(s)
Fuse base, indoor	3110102	3110106	188
Fuse base, outdoor	Contact SIBA	Contact SIBA	—
Fuse clips	3100302.20	3400101.20	190
Fuse clips w/ connecting bar	3400201	3400102	
Microswitch assembly, * preferred	250mm - 3100116, 660mm - 3100110 & 3100210*, 900mm - 3100114, 1200mm - 3100117		187

SIBA LLC

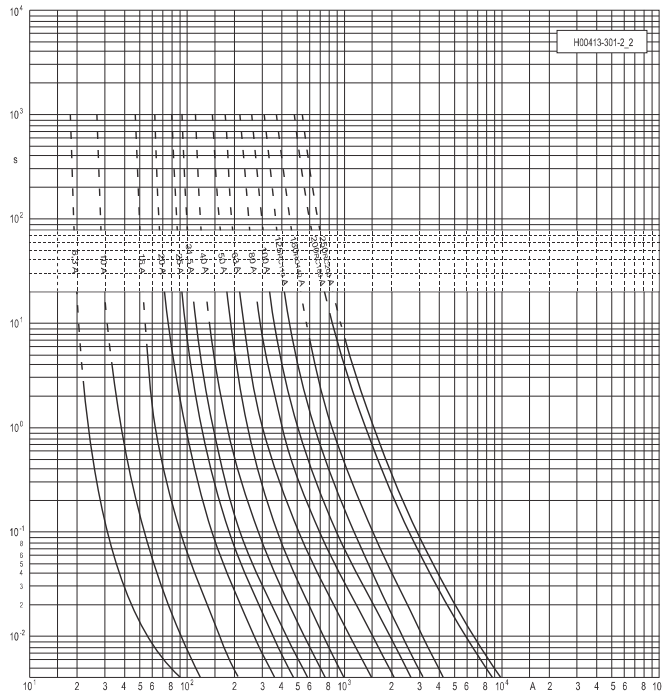
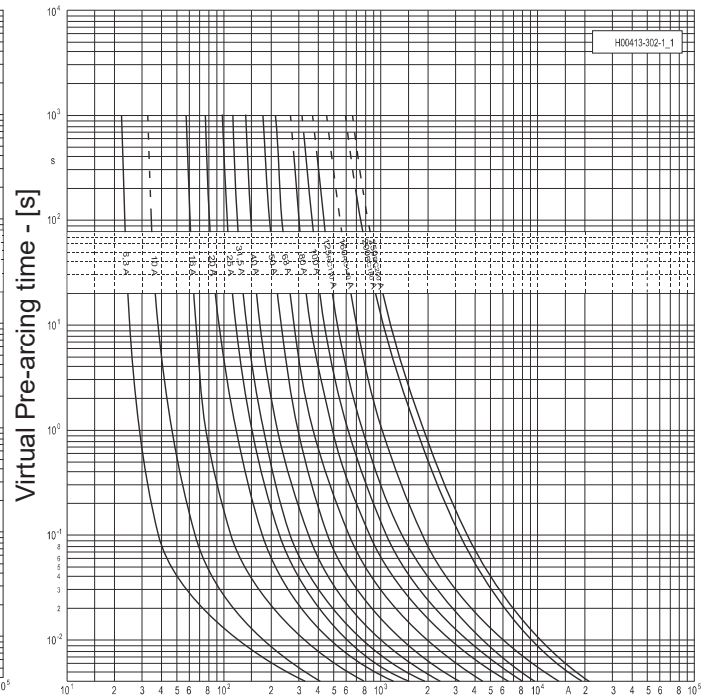
29 Fairfield Place
West Caldwell, New Jersey 07006

Phone 1-973-575-7422
Fax 1-973-575-5858

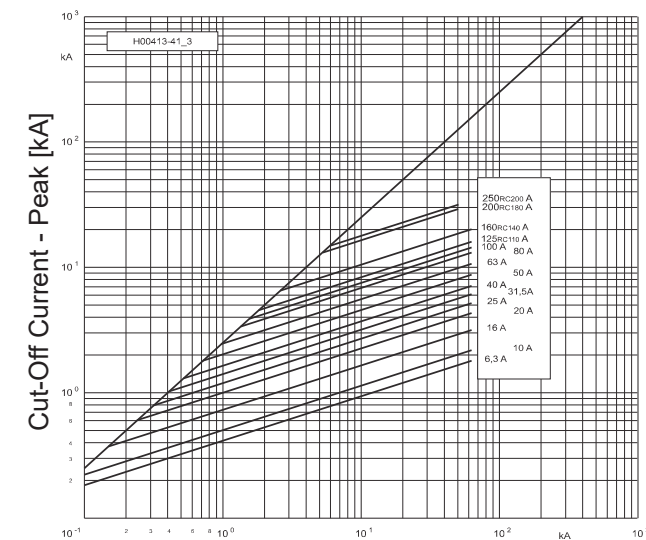
portal: www.siballc.net
e-mail: info@sibafuse.com

HHD-B**Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram****Current-Limiting, Back-Up, 6/12kV, E = 442mm (6.3A - 250A)**

3010113.6.3 - 50, 3010213.63 - 125, 3010313.160, 3010314.200 - 250

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

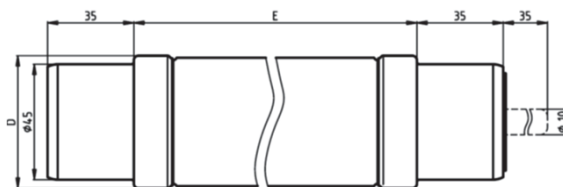
Cut-Off Current

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

Full size graphs available upon request.

HHD-B**6/12kV - Rated Voltage****Improved Cyclic Stability****(ICS® - ✓)****E=537mm****High Voltage Current-Limiting Fuses****For air & gas-insulated switchgear,
indoor and outdoor applications****Class****Back-Up****Standard(s)****DIN 43 625****IEC 60282-1****VDE 0670-4**

Rated current I_n [A]	Article Number	Diameter D [in/mm]	Weight [kg/l]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @ 0.87U _n (Min) [A ² s]	0.87U _n (Max) [A ² s]	Power loss ¹ [W]	Cold resistance [mΩ]
With 80N Striker and Temperature Limiter										
100	3021113.100 ✓	3.35 / 85	6.8	63	320	33 000	130 000	210 000	96	6.5
125	3021113.125 ✓	3.35 / 85	6.8	63	390	47 000	180 000	390 000	147	5.5
160	3021113.160 ✓	3.35 / 85	6.8	63	600	78 000	350 000	615 000	172	3.9
With 120N Striker										
RC180*	3021114.200 ✓	3.35 / 85	6.8	50	800	310 000	630 000	1 300 000	163 ¹	2.7
RC212*	3021114.250 ✓	3.35 / 85	6.8	50	920	405 000	850 000	1 700 000	185 ¹	2.4
RC225*	3021114.315 ✓	3.35 / 85	6.8	50	1 100	580 000	1 100 000	2 400 000	187 ¹	2.0
* Rated current per IEC 60282-1 RC - Please see page 11										
¹ At rated current per IEC 60282-1										

**Dimensions [mm]****Accessories**

Article Description	≤ 200A	> 200A	Page(s)
Fuse base, indoor	Contact SIBA	Contact SIBA	188
Fuse base, outdoor	Contact SIBA	Contact SIBA	—
Fuse clips	3100302.20	3400101.20	190
Fuse clips w/ connecting bar	3400201	3400102	
Microswitch assembly, * preferred	250mm - 3100116, 660mm - 3100110 & 3100210*, 900mm - 3100114, 1200mm - 3100117		187

SIBA LLC

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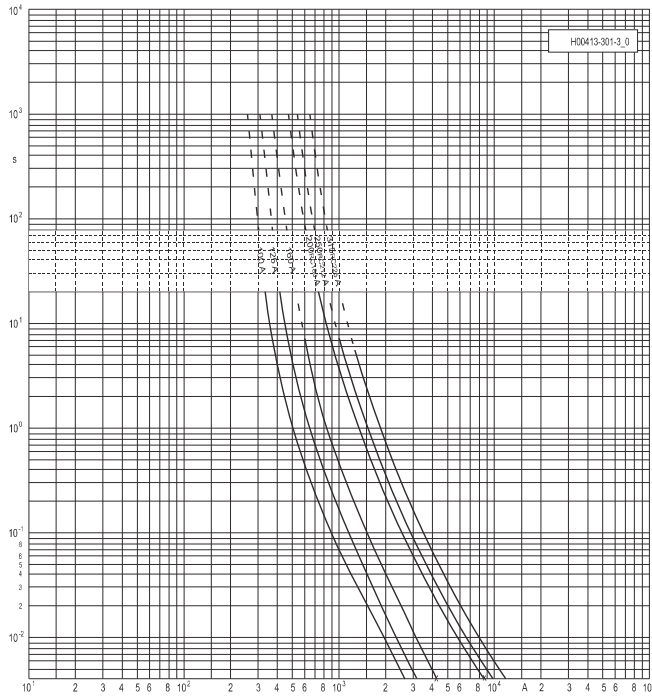
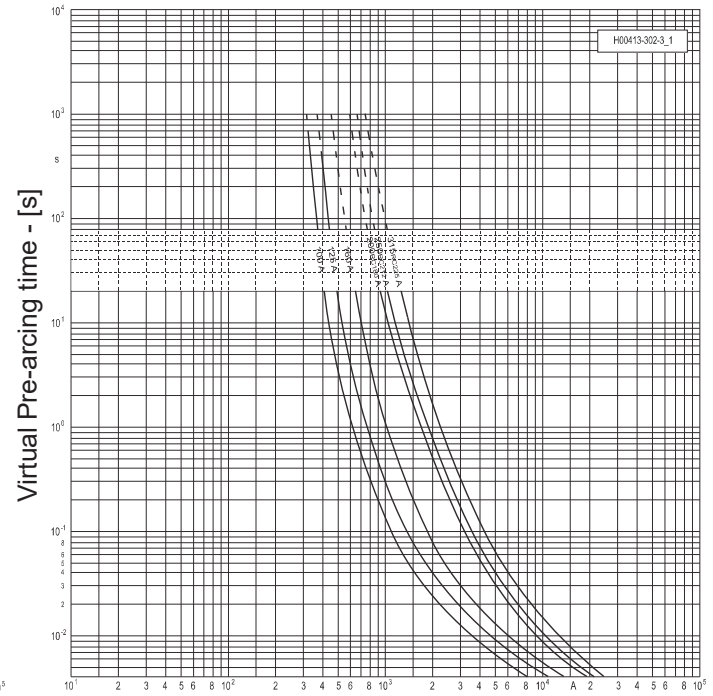
Fax 1-973-575-5858

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

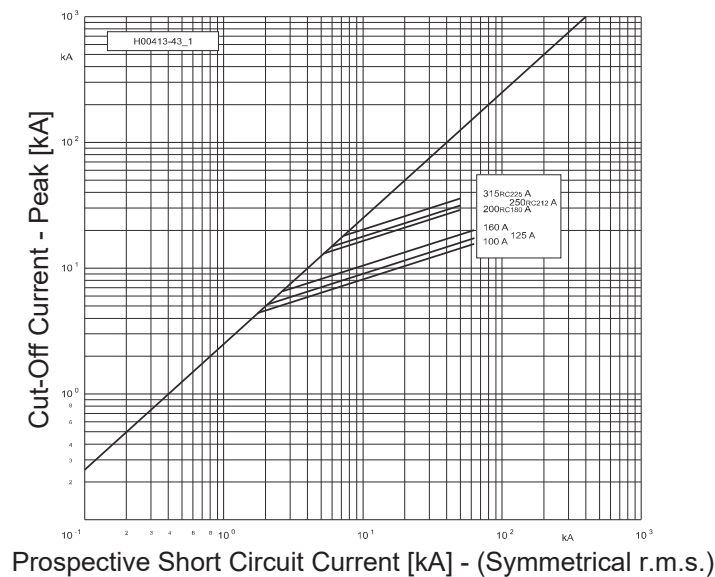
HHD-B

**Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
Current-Limiting, Back-Up, 6/12kV, E = 537mm (100A - 250A)**

3021113.100 - 160, 3021114.160 - 250

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

Full size graphs available upon request.

HHD-B

10/17.5kV - Rated Voltage

Improved Cyclic Stability

(ICS[®] - ✓)

E=292mm

High Voltage Current-Limiting Fuses

**For air & gas-insulated switchgear,
indoor and outdoor applications**

Class

Back-Up



Standard(s)

DIN 43 625

IEC 60282-1

VDE 0670-4

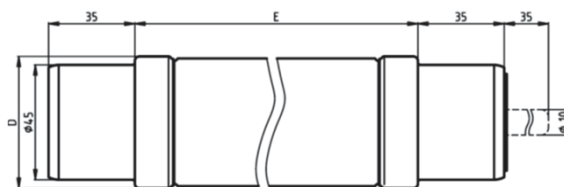
Rated current I_n [A]	Article Number	Diameter	Weight [kg/l]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @		Power ¹ loss [W]	Cold resistance [mΩ]
		D					0.87U _n (Min)	0.87U _n (Max)		
		[in/mm]					[A ² s]	[A ² s]		
With 80N Striker and Temperature Limiter										
6.3	3025513.6.3	2.09 / 53	1.6	63	22	45	210	360	21	397
10	3025513.10	2.09 / 53	1.6	63	34	75	350	560	38	252
16	3025513.16	2.09 / 53	1.6	63	56	250	1 100	2 000	37	116
20	3022113.20	2.64 / 67	2.6	63	70	640	2 900	4 800	40	62
25	3022113.25	2.64 / 67	2.6	63	90	1 050	4 700	7 500	56	48
31.5	3022113.31.5	2.64 / 67	2.6	63	110	1 700	6 600	12 000	65	39
40	3022113.40	2.64 / 67	2.6	63	140	2 900	12 000	19 000	84	29
50	3022113.50	2.64 / 67	2.6	63	170	5 700	20 000	33 000	101	21
63	3022113.63	2.64 / 67	2.6	63	210	10 700	40 000	66 000	106	16
80	3022213.80 ✓	3.35 / 85	3.9	63	280	17 500	74 000	155 000	137	11
100	3022213.100 ✓	3.35 / 85	3.9	63	320	28 000	120 000	250 000	165	8.5
125	3022213.125 ✓	3.35 / 85	3.9	63	390	38 000	160 000	337 000	235	7.3
RC100*	3022213.160 ✓	3.35 / 85	3.9	63	600	42 000	173 000	375 000	96 ¹	6.6

* Rated current per IEC 60282-1
RC - Please see page 11

¹ At rated current per IEC 60282-1



Dimensions [mm]



Accessories

Article Description	≤ 200A	> 200A		Page(s)
Fuse base, indoor	31022101	31022106		188
Fuse base, outdoor	Contact SIBA	—		—
Fuse clips	3100302.20	—		
Fuse clips w/ connecting bar	3400201	—		190
Microswitch assembly, * preferred	250mm - 3100116, 660mm - 3100110 & 3100210*, 900mm - 3100114, 1200mm - 3100117			187

SIBA LLC

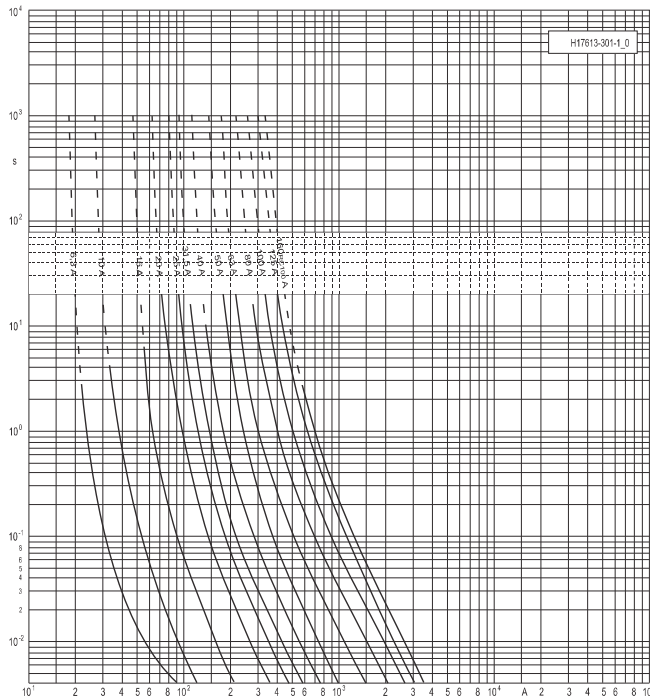
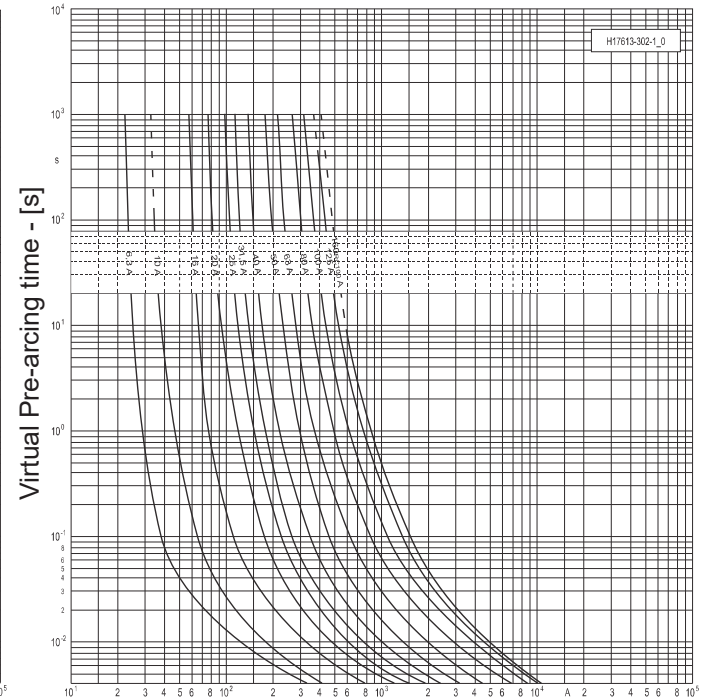
29 Fairfield Place
West Caldwell, New Jersey 07006

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Fax 1-973-575-5858

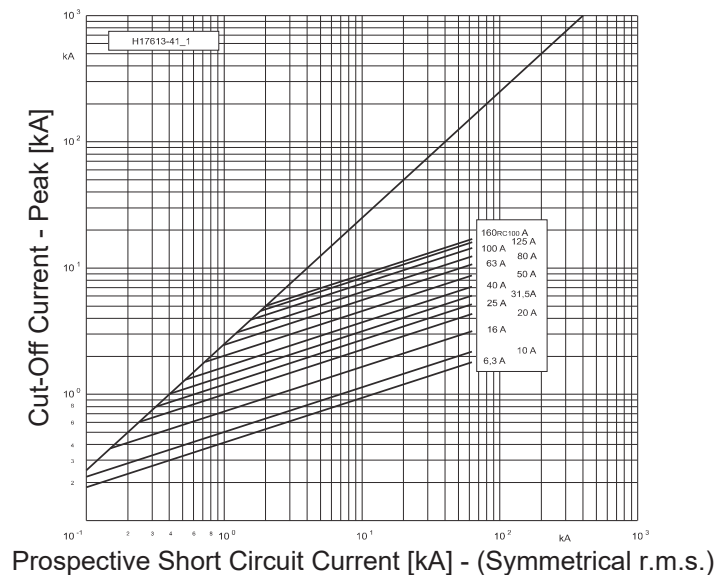
portal: www.siballc.net
e-mail: info@sibafuse.com

HHD-B**Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram****Current-Limiting, Back-Up, 10/17.5kV, E = 292mm (6.3A - 160A)**

3025513.6.3 - 63, 3022213.80 - 160

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

Full size graphs available upon request.

HHD-B

10/17.5kV - Rated Voltage

Improved Cyclic Stability

(ICS® - ✓)

E=367mm

High Voltage Current-Limiting Fuses

For air & gas-insulated switchgear,
indoor and outdoor applications

Class

Back-Up

Standard(s)

DIN 43 625

IEC 60282-1

VDE 0670-4



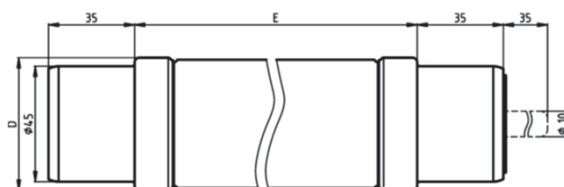
Rated current I_n [A]	Article Number	Diameter D [in/mm]	Weight [kg/l]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A²s]	Total I^2t @ 0.87U _n (Min) 0.87U _n (Max) [A²s] [A²s]	Power loss ¹ [W]	Cold resistance [mΩ]
With 80N Striker and Temperature Limiter									
6.3	3017613.6.3	2.09 / 53	2.0	63	22	45	210	360	397
10	3017613.10	2.09 / 53	2.0	63	34	75	350	560	252
16	3017613.16	2.09 / 53	2.0	63	56	250	1 100	2 000	116
20	3017613.20	2.09 / 53	2.0	63	70	640	2 900	4 800	62
25	3017613.25	2.09 / 53	2.0	63	90	1 050	4 700	7 500	48
31.5	3017713.31.5	2.64 / 67	3.1	63	110	1 700	6 600	12 000	39
40	3017713.40	2.64 / 67	3.1	63	140	2 900	12 000	19 000	29
50	3017713.50	2.64 / 67	3.1	63	170	5 700	20 000	33 000	21
63	3017713.63	2.64 / 67	3.1	63	210	10 700	40 000	66 000	16
80	3017813.80 ✓	3.35 / 85	4.8	63	280	17 500	74 000	135 000	11
100	3017813.100 ✓	3.35 / 85	4.8	63	320	28 000	134 000	215 000	8.5
125	3017813.125 ✓	3.35 / 85	4.8	63	390	47 000	225 000	360 000	6.6
RC112*	3017813.160 ✓	3.35 / 85	4.8	63	600	62 000	290 000	475 000	116 ¹
With 120N Striker									
RC125*	3017814.200 ✓	3.35 / 85	4.8	63	800	78 000	360 000	595 000	118 ¹

* Rated current per IEC 60282-1
RC - Please see page 11

¹ At rated current per IEC 60282-1



Dimensions [mm]



Accessories

Article Description	≤ 200A	> 200A	Page(s)
Fuse base, indoor	Contact SIBA	Contact SIBA	—
Fuse base, outdoor	Contact SIBA	Contact SIBA	—
Fuse clips	3100302.20	3400101.20	190
Fuse clips w/ connecting bar	3400201	3400102	
Microswitch assembly, * preferred	250mm - 3100116, 660mm - 3100110 & 3100210*, 900mm - 3100114, 1200mm - 3100117		187

SIBA LLC

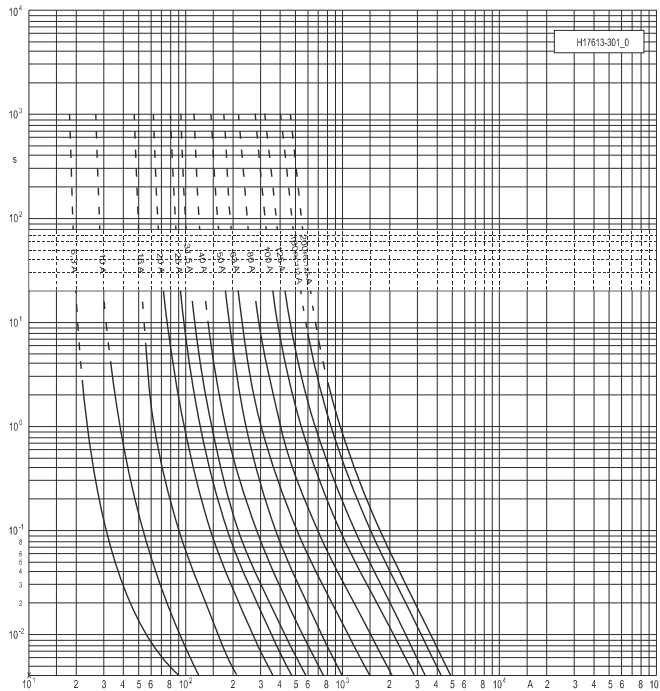
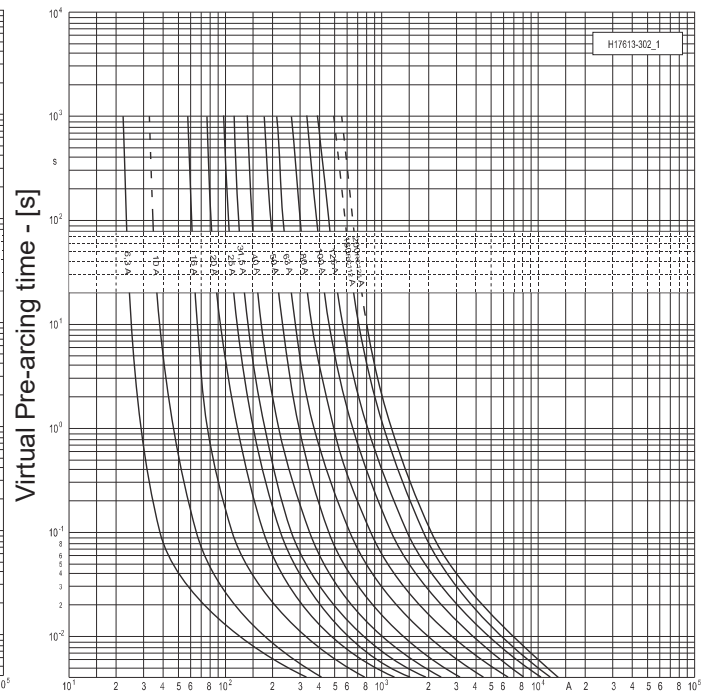
29 Fairfield Place
West Caldwell, New Jersey 07006

Phone 1-973-575-7422
Fax 1-973-575-5858

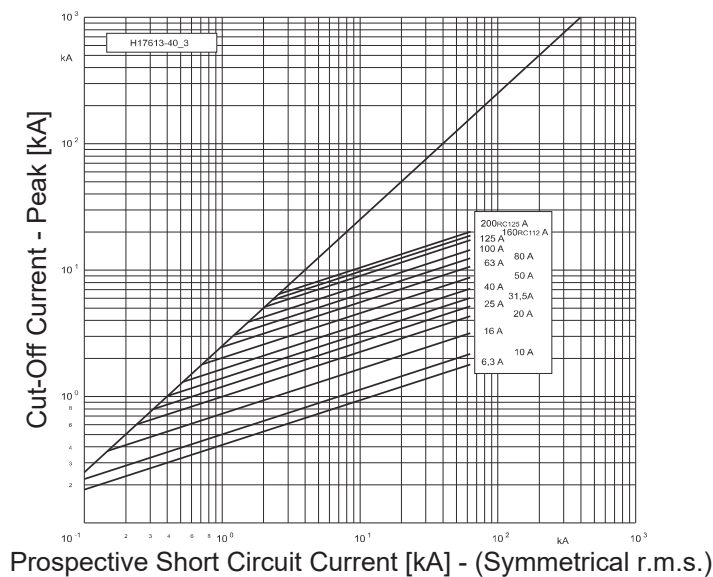
portal: www.siballc.net
e-mail: info@sibafuse.com

**HHD-B Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
Current-Limiting, Back-Up, 10/17.5kV, E = 367mm (6.3A - 200A)**

3017613.6.3 - 25, 3017713.31.5 - 63, 3017813.100 - 160, 3017814.200

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

Full size graphs available upon request.

HHD-B

10/17.5kV - Rated Voltage

Improved Cyclic Stability

(ICS® - ✓)

E=442mm

High Voltage Current-Limiting Fuses

For air & gas-insulated switchgear,
indoor and outdoor applications

Class

Back-Up

Standard(s)

DIN 43 625

IEC 60282-1

VDE 0670-4



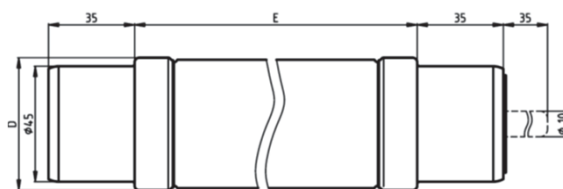
Rated current I_n [A]	Article Number	Diameter D [in/mm]	Weight [kg/l]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A²s]	Total I^2t @ 0.87U _n (Min) 0.87U _n (Max) [A²s] [A²s]	Power loss ¹ [W]	Cold resistance [mΩ]
With 80N Striker and Temperature Limiter									
6.3	3023113.6.3	2.09 / 53	2.5	63	22	45	210	360	397
10	3023113.10	2.09 / 53	2.5	63	34	75	350	560	252
16	3023113.16	2.09 / 53	2.5	63	56	250	1 100	2 000	116
20	3023113.20	2.09 / 53	2.5	63	70	640	2 900	4 800	62
25	3023113.25	2.09 / 53	2.5	63	90	1 050	4 700	7 500	48
31.5	3023113.31.5	2.09 / 53	2.5	63	110	1 700	6 600	12 000	39
40	3023113.40	2.09 / 53	2.5	63	140	2 900	12 000	19 000	29
50	3023213.50	2.64 / 67	3.7	63	170	5 700	20 000	33 000	21
63	3023213.63 ✓	2.64 / 67	3.7	63	210	10 700	40 000	66 000	16
80	3023213.80 ✓	2.64 / 67	3.7	63	280	17 500	74 000	135 000	11
100	3023313.100 ✓	3.35 / 85	5.6	63	320	28 000	134 000	215 000	8.7
125	3023313.125 ✓	3.35 / 85	5.6	63	390	47 000	225 000	360 000	7.5
RC125 ¹	3023313.160 ✓	3.35 / 85	5.6	63	600	62 000	290 000	475 000	6.4
With 120N Striker									
RC140 ¹	3023314.200 ✓	3.35 / 85	5.6	63	800	78 000	360 000	595 000	5.2
RC180 ¹	3023314.250 ✓	3.43 / 87	—	63	800	145 000	—	1 400 000	3.1
RC200 ¹	3023314.315 ✓	3.43 / 87	—	63	1 000	274 000	—	2 600 000	2.3

* Rated current per IEC 60282-1
RC - Please see page 11

¹ At rated current per IEC 60282-1



Dimensions [mm]



Accessories

Article Description	≤ 200A	> 200A		Page(s)
Fuse base, indoor	3100502	3100506		188
Fuse base, outdoor	3100601	3100606		189
Fuse clips	3100302.20	3400101.20		190
Fuse clips w/ connecting bar	3400201	3400102		
Microswitch assembly. * preferred	250mm - 3100116. 660mm - 3100110 & 3100210*. 900mm - 3100114. 1200mm - 3100117			187

SIBA LLC

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West Caldwell, New Jersey 07006

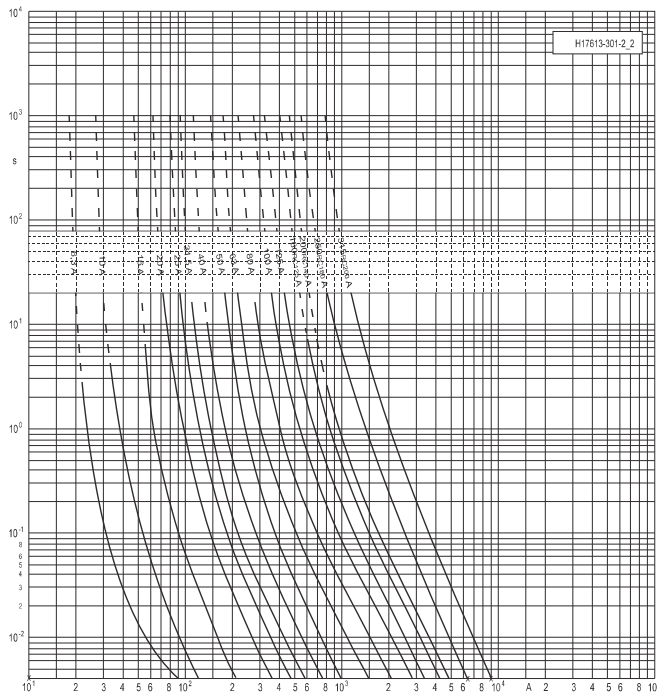
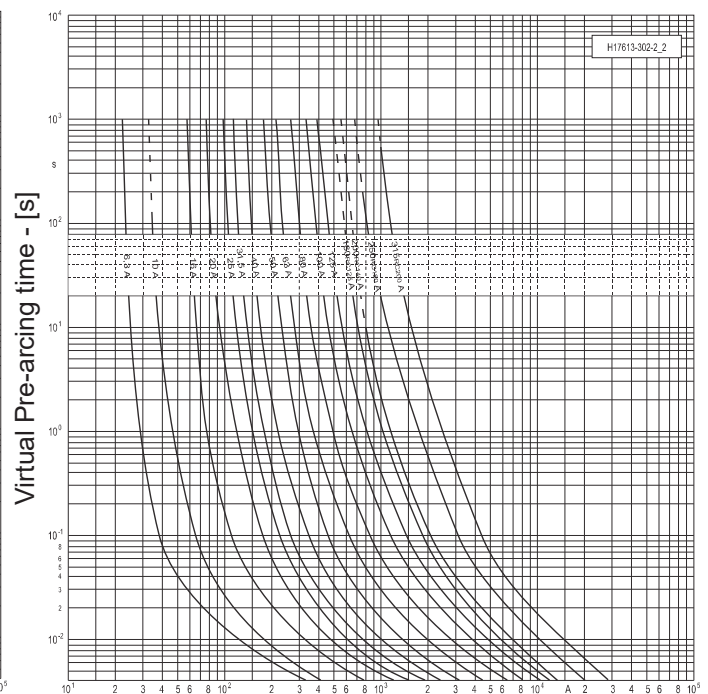
Phone 1-973-575-7422
Fax 1-973-575-5858

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

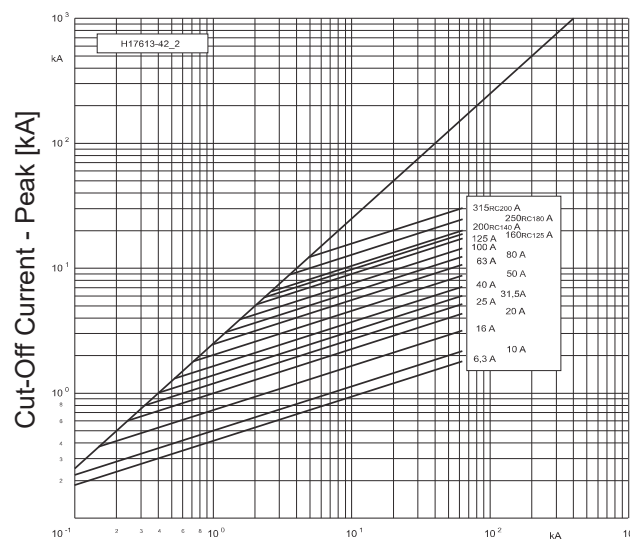
HHD-B

Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
Current-Limiting, Back-Up, 10/17.5kV, E = 442mm (6.3A - 200A)

3023113.6.3 - 40, 3023213.50 - 80, 3023313.100 - 160, 3023314.200

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

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

Full size graphs available upon request.

HHD-B
10/24kV - Rated Voltage
High Voltage Current-Limiting Fuses

 For air & gas-insulated switchgear,
 indoor and outdoor applications

Class
Back-Up
Standard(s)

DIN 43 625

IEC 60282-1

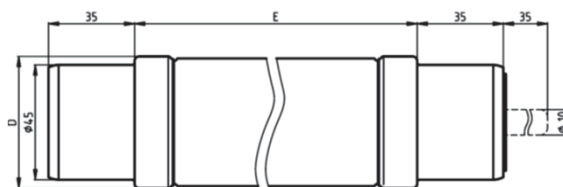
VDE 0670-4


E=292mm

Rated current I_n [A]	Article Number	Diameter D [in/mm]	Weight [kg/l]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @ 0.87U _n (Min) 0.87U _n (Max) [A ² s] [A ² s]	Power loss ¹ [W]	Cold resistance [mΩ]
With 80N Striker and Temperature Limiter									
6.3	3018013.6.3	2.09 / 53	1.6	63	22	45	210	360	546
10	3018013.10	2.09 / 53	1.6	63	34	75	350	560	347
16	3018013.16	2.09 / 53	1.6	63	56	250	1 100	2 000	160
20	3022513.20	2.64 / 67	2.6	63	70	640	2 900	4 800	86
25	3022513.25	2.64 / 67	2.6	63	90	1 050	4 700	7 500	66
31.5	3022513.31.5	2.64 / 67	2.6	63	110	1 700	6 600	12 000	53
40	3022513.40	2.64 / 67	2.6	63	160	2 900	12 000	19 000	43
RC45*	3022513.50	2.64 / 67	2.6	63	215	4 900	21 000	34 000	32
RC50*	3022513.63	2.64 / 67	2.6	63	285	8 700	38 000	61 000	24

 * Rated current per IEC 60282-1
 RC - Please see page 11

¹ At rated current per IEC 60282-1

Dimensions [mm]

Accessories

Article Description	≤ 200A	> 200A		Page(s)
Fuse base, indoor	3122101	—		188
Fuse base, outdoor	Contact SIBA	—		—
Fuse clips	3100302.20	—		190
Fuse clips w/ connecting bar	3400201	—		
Microswitch assembly, * preferred	250mm - 3100116, 660mm - 3100110 & 3100210*, 900mm - 3100114, 1200mm - 3100117			187

SIBA LLC

 29 Fairfield Place
 West Caldwell, New Jersey 07006

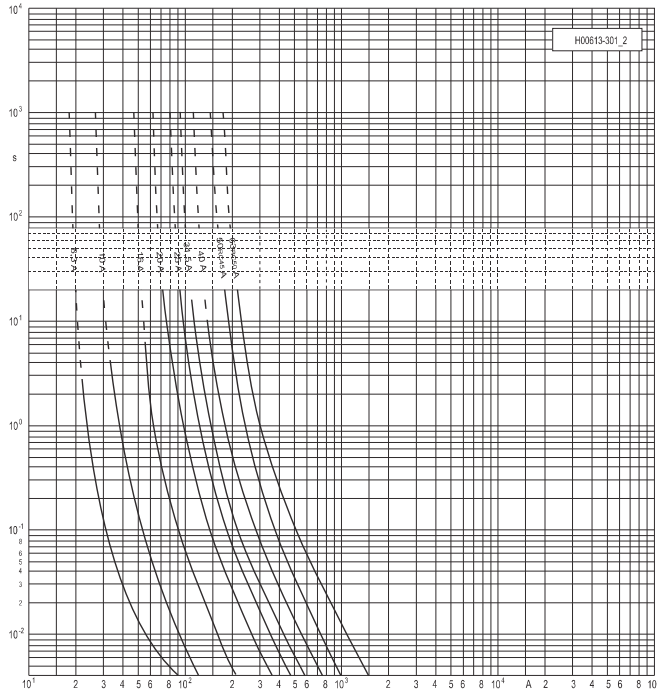
 Phone 1-973-575-7422
 Fax 1-973-575-5858

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

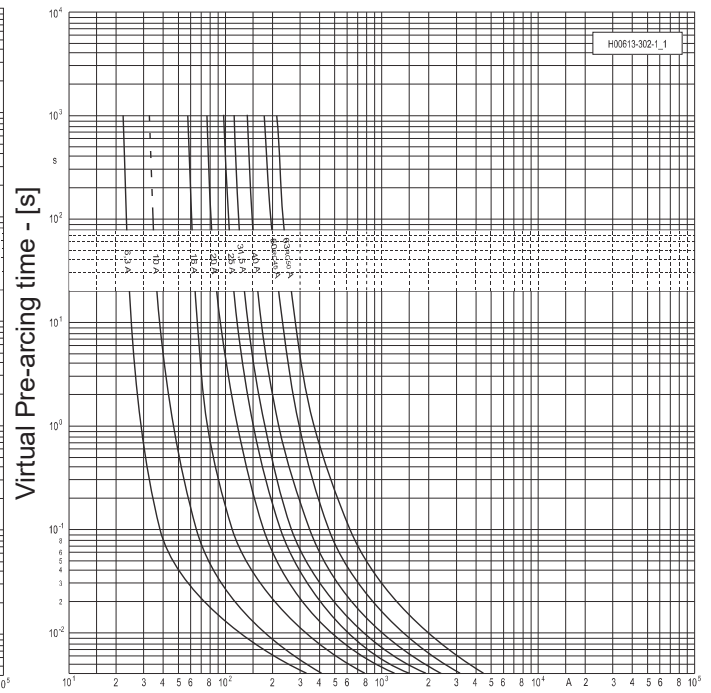
**HHD-B Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
Current-Limiting, Back-Up, 10/24kV, E = 292mm (6.3A - 63A)**

3018013.6.3 - 16, 3022513.20 - 63

Minimum Melting

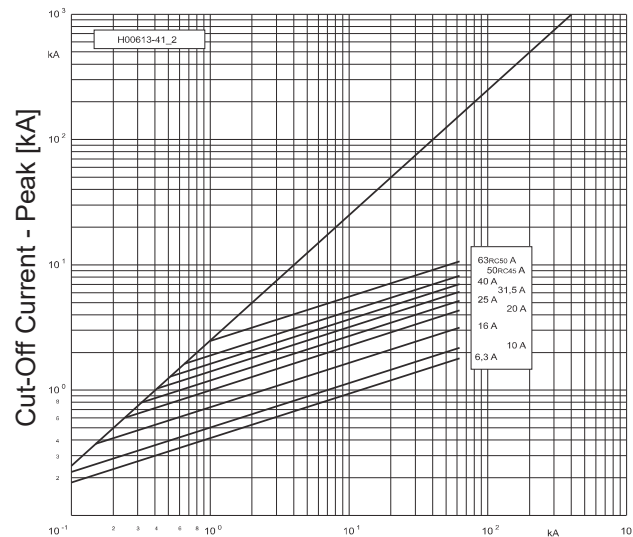


Total Clearing



R.M.S. Prospective Current [A]

Cut-Off Current



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

Full size graphs available upon request.

HHD-B

10/24kV - Rated Voltage

Improved Cyclic Stability

(ICS® - ✓)

E=442mm

High Voltage Current-Limiting Fuses

For air & gas-insulated switchgear,
indoor and outdoor applications

Class

Back-Up



Standard(s)

DIN 43 625

IEC 60282-1

VDE 0670-4

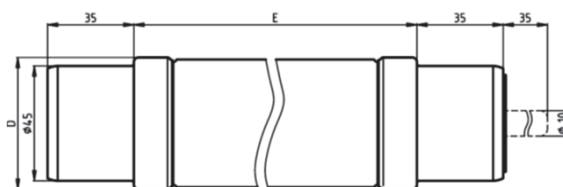
Rated current I_n [A]	Article Number	Diameter D [in/mm]	Weight [kg/l]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @ 0.87U _n (Min) [A ² s]	0.87U _n (Max) [A ² s]	Power loss ¹ [W]	Cold resistance [mΩ]
With 80N Striker and Temperature Limiter										
6.3	3000613.6.3	2.09 / 53	2.5	63	22	45	210	360	29	546
10	3000613.10	2.09 / 53	2.5	63	34	75	350	560	52	347
16	3000613.16	2.09 / 53	2.5	63	56	250	1 100	2 000	59	151
20	3000613.20	2.09 / 53	2.5	63	70	640	2 900	4 800	46	83
25	3000613.25	2.09 / 53	2.5	63	90	1 050	4 700	7 500	56	62
31.5	3000613.31.5	2.09 / 53	2.5	63	110	1 700	6 600	12 000	72	52
40	3000613.40	2.09 / 53	2.5	63	140	2 900	12 000	19 000	106	43
50	3001413.50	2.64 / 67	3.7	63	170	5 700	20 000	33 000	108	29
63	3001413.63	2.64 / 67	3.7	63	210	10 700	40 000	66 000	132	22
80	3001413.80 ✓	2.64 / 67	3.7	63	280	21 000	78 000	140 000	174	16
100	3002213.100 ✓	3.35 / 85	5.7	63	320	28 000	160 000	255 000	238	13
125	3002213.125 ✓	3.35 / 85	5.7	63	390	47 000	180 000	300 000	320	11
RC100*	3002213.160 ✓	3.35 / 85	5.7	63	600	62 000	237 000	281 000	156 ¹	10
With 120N Striker										
RC112*	3002214.200 ✓	3.43 / 87	5.7	63	800	75 000	290 000	340 000	179 ¹	9
RC140*	3002214.250 ✓	3.43 / 87	5.7	63	1 000	170 000		810 000	210 ¹	6

* Rated current per IEC 60282-1
RC - Please see page 11

¹ At rated current per IEC 60282-1



Dimensions [mm]



Accessories

Article Description	≤ 200A	> 200A	Page(s)
Fuse base, indoor	3100502	3100506	188
Fuse base, outdoor	3100601	3100606	189
Fuse clips	3100302.20	3400101.20	190
Fuse clips w/ connecting bar	3400201	3400102	
Microswitch assembly, * preferred	250mm - 3100116, 660mm - 3100110 & 3100210*, 900mm - 3100114, 1200mm - 3100117		187

SIBA LLC

29 Fairfield Place
West Caldwell, New Jersey 07006

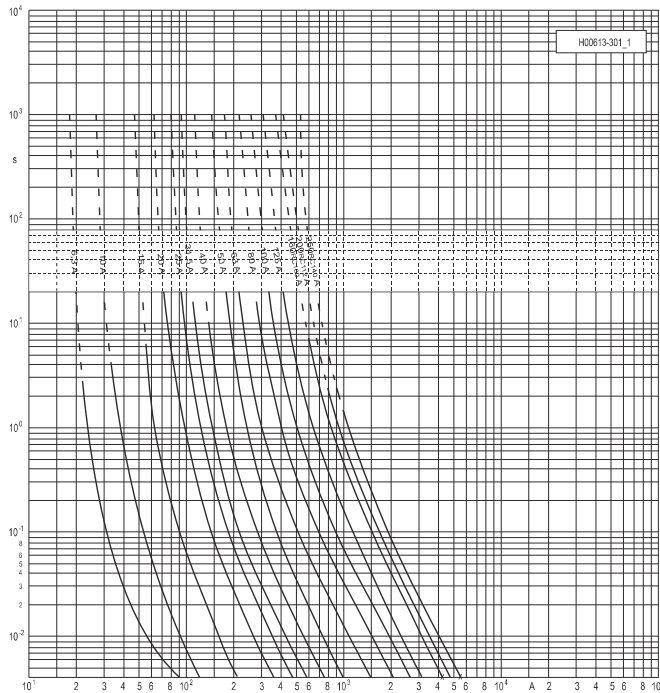
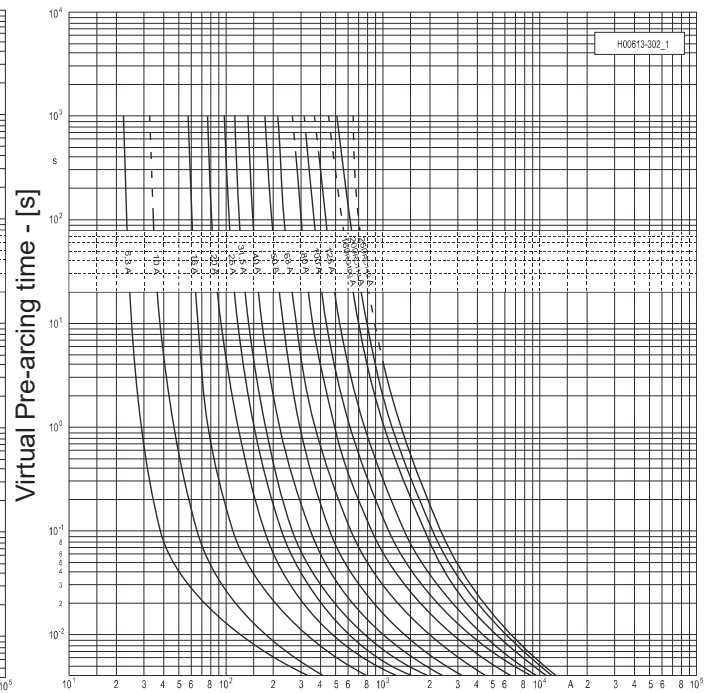
Phone 1-973-575-7422
Fax 1-973-575-5858

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

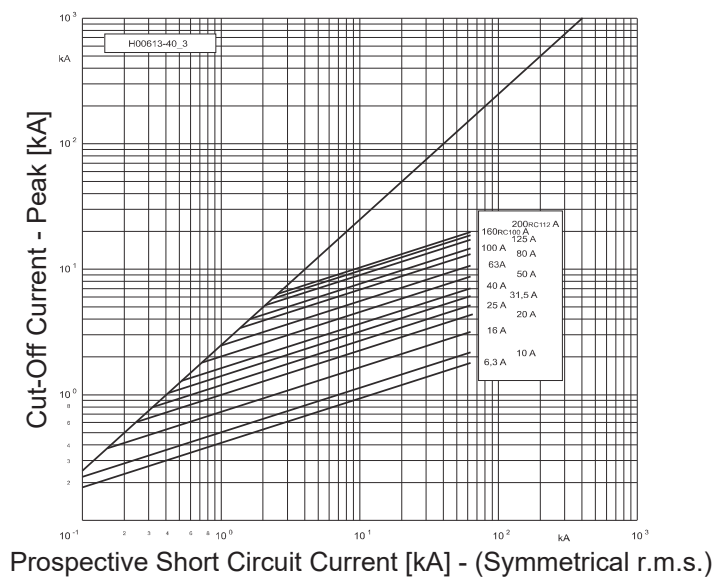
HHD-B

Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
 Current-Limiting, Back-Up, 10/24kV, E = 442mm (6.3A - 200A)

3000613.6.3 - 40, 3001413.50 - 80, 3002213.100 - 160, 3002214.200

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

Full size graphs available upon request.

HHD-B

10/24kV - Rated Voltage
Improved Cyclic Stability
(ICS[®] - ✓)

E=537mm

High Voltage Current-Limiting Fuses

For air & gas-insulated switchgear,
indoor and outdoor applications

Class

Back-Up

Standard(s)

DIN 43 625

IEC 60282-1

VDE 0670-4



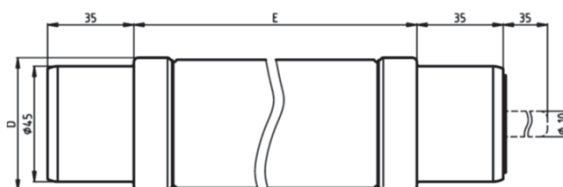
Rated current I_n [A]	Article Number	Diameter D [in/mm]	Weight [kg/l]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @ $0.87U_n(\text{Min})$ [A ² s]	$0.87U_n(\text{Max})$ [A ² s]	Power loss ¹ [W]	Cold resistance [mΩ]
With 80N Striker and Temperature Limiter										
6.3	3020313.6.3	2.09 / 53	2.8	63	22	45	210	360	29	546
10	3020313.10	2.09 / 53	2.8	63	34	75	350	560	52	347
16	3020313.16	2.09 / 53	2.8	63	56	250	1 100	2 000	59	151
20	3020313.20	2.09 / 53	2.8	63	70	640	2 900	4 800	46	83
25	3020313.25	2.09 / 53	2.8	63	90	1 050	4 700	7 500	56	62
31.5	3020313.31.5	2.09 / 53	2.8	63	110	1 700	6 600	12 000	72	52
40	3020313.40	2.09 / 53	2.8	63	140	2 900	12 000	19 000	106	41
50	3020413.50	2.64 / 67	4.3	63	170	5 700	20 000	33 000	108	29
63	3020413.63	2.64 / 67	4.3	63	210	10 700	40 000	66 000	132	22
80	3020413.80 ✓	2.64 / 67	4.3	63	280	21 000	78 000	140 000	174	16
100	3019613.100 ✓	3.35 / 85	6.8	63	320	28 000	160 000	255 000	239	13
125	3019613.125 ✓	3.35 / 85	6.8	63	390	47 000	180 000	300 000	320	11
RC112 [*]	3019613.160 ✓	3.35 / 85	6.8	63	600	62 000	237 000	395 000	178 ¹	9
With 120N Striker										
RC125 [*]	3019614.200 ✓	3.35 / 85	6.8	63	800	75 000	290 000	470 000	179 ¹	8
RC140 [*]	3019614.250 ✓	3.43 / 87	—	63	1 000	175 000	675 000	870 000	199 ¹	6.1

* Rated current per IEC 60282-1
RC - Please see page 11

¹ At rated current per IEC 60282-1



Dimensions [mm]



Accessories

Article Description	≤ 200A	> 200A	Page(s)
Fuse base, indoor	3100702	3100706	188
Fuse base, outdoor	3100801	3100806	189
Fuse clips	3100302.20	3400101.20	190
Fuse clips w/ connecting bar	3400201	3400102	
Microswitch assembly, * preferred	250mm - 3100116, 660mm - 3100110 & 3100210*, 900mm - 3100114, 1200mm - 3100117		187

SIBA LLC

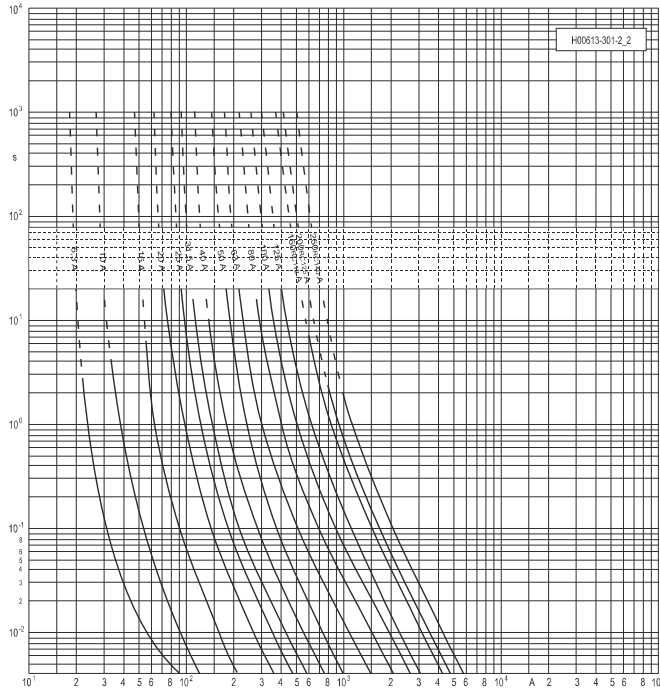
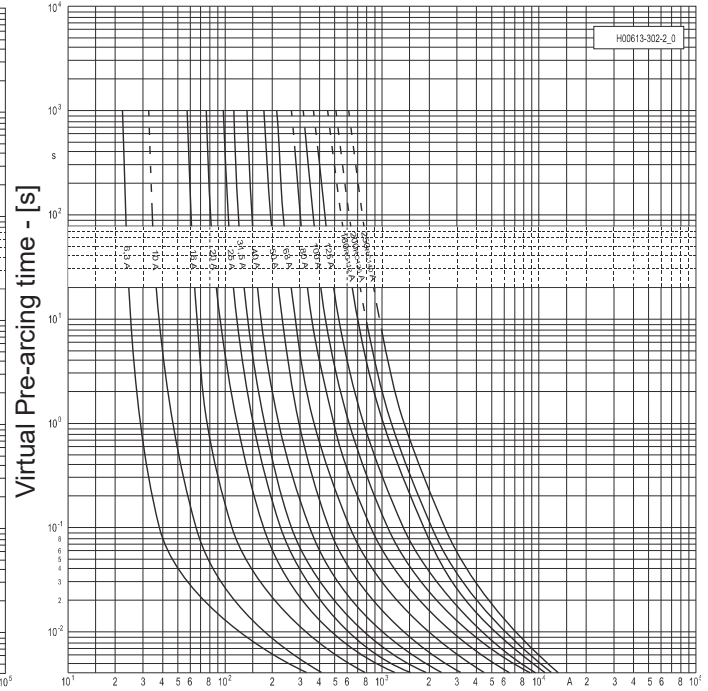
29 Fairfield Place
West Caldwell, New Jersey 07006

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

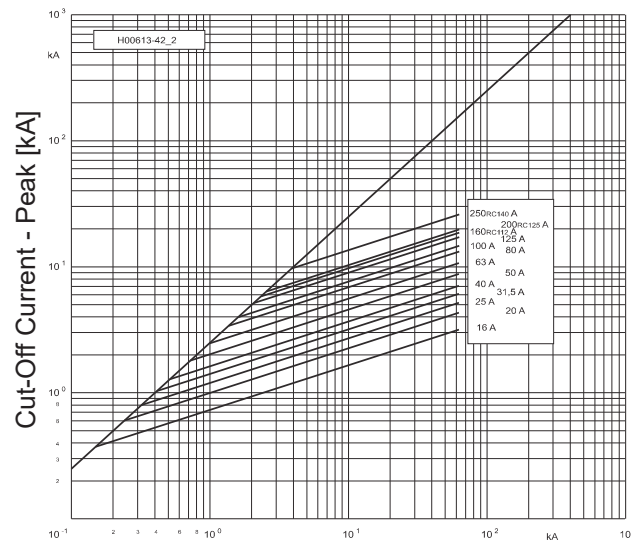
HHD-B

Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
 Current-Limiting, Back-Up, 10/24kV, E = 537mm (6.3A - 200A)

3020313.6.3 - 40, 3020413.50 - 80, 3019613.100 - 160, 3019614.200 - 250

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

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

Full size graphs available upon request.

HHD-B
20/36kV - Rated Voltage

High Voltage Current-Limiting Fuses

For air & gas-insulated switchgear,
indoor and outdoor applications

Class

Back-Up



Standard(s)

DIN 43 625

IEC 60282-1

VDE 0670-4

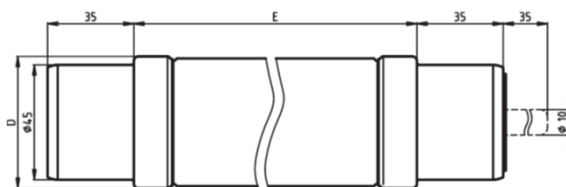
E=292mm

Rated current I_n [A]	Article Number	Diameter D [in/mm]	Weight [kg/l]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @ 0.87U _n (Min) [A ² s]	0.87U _n (Max) [A ² s]	Power loss ¹ [W]	Cold resistance [mΩ]
Without Striker and Thermal Limiter										
6.3	3045411.6.3	2.09 / 53	2.8	20	22	27	210	300	49	819
10	3045411.10	2.09 / 53	2.8	20	34	68	350	740	87	521
16	3045411.16	2.09 / 53	2.8	20	56	140	1 100	1 500	83	254

¹ At rated current per IEC 60282-1



Dimensions [mm]



Accessories

Article Description	≤ 200A	> 200A	Page(s)
Fuse base, indoor	Contact SIBA	—	—
Fuse base, outdoor	Contact SIBA	—	—
Fuse clips	3100302.20	—	190
Fuse clips w/ connecting bar	3400201	—	
Microswitch assembly, * preferred	250mm - 3100116, 660mm - 3100110 & 3100210*, 900mm - 3100114, 1200mm - 3100117		187

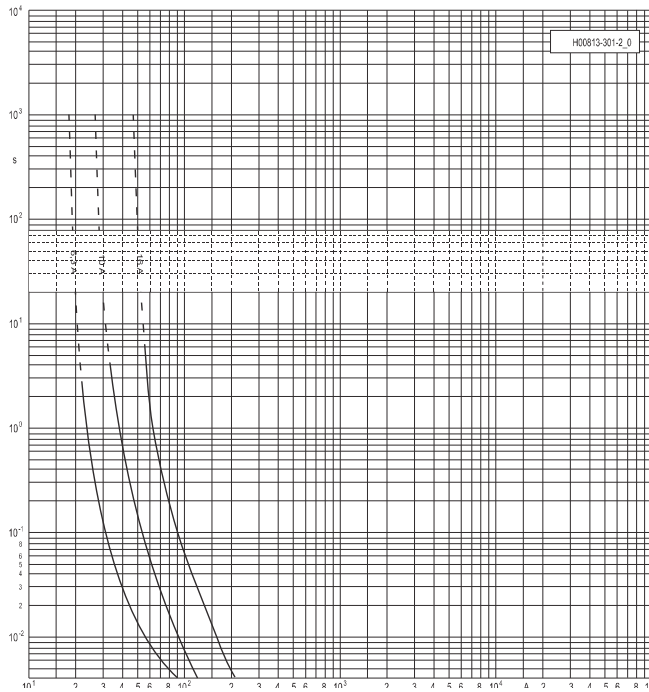
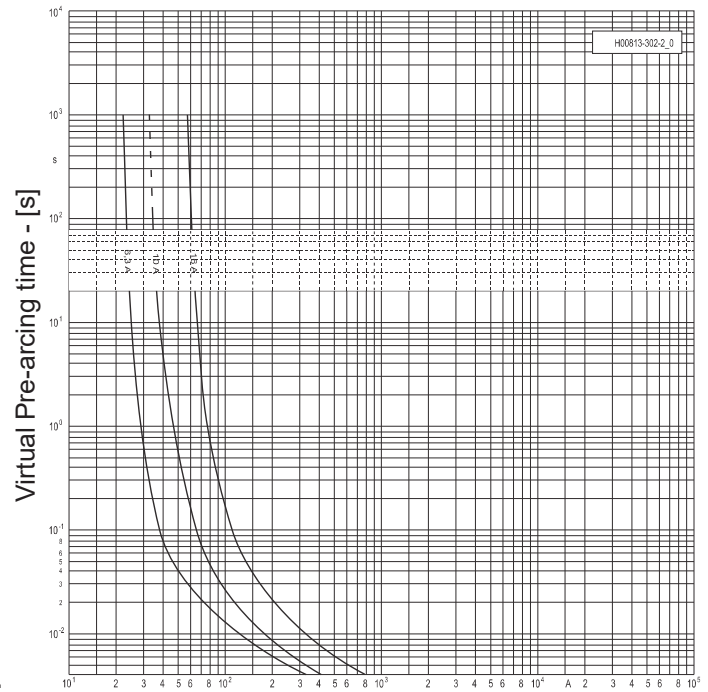
SIBA LLC

29 Fairfield Place
West Caldwell, New Jersey 07006

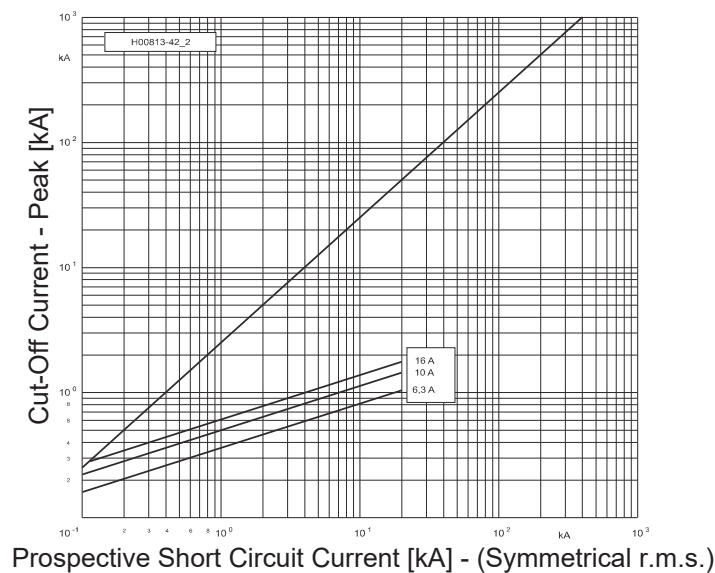
portal: www.siballc.net
e-mail: info@sibafuse.com

HHD-B**Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram****Current-Limiting, Back-Up, 20/36kV, E = 292mm (6.3A - 16A)**

3045411.6.3 - 16

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

Full size graphs available upon request.

HHD-B
20/36kV - Rated Voltage

High Voltage Current-Limiting Fuses

For air & gas-insulated switchgear,
indoor and outdoor applications

Class

Back-Up



Standard(s)

DIN 43 625

IEC 60282-1

VDE 0670-4

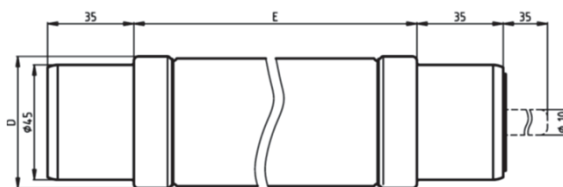
E=442mm

Rated current I_n [A]	Article Number	Diameter D [in/mm]	Weight [kg/l]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @ $0.87U_n(\text{Min})$ [A ² s]	$0.87U_n(\text{Max})$ [A ² s]	Power loss ¹ [W]	Cold resistance [mΩ]
With 80N Striker and Temperature Limiter										
6.3	3018113.6.3	2.09 / 53	2.5	20	22	27	210	300	46	819
10	3018113.10	2.09 / 53	2.5	20	34	68	350	740	82	521
16	3018113.16	2.09 / 53	2.5	20	56	140	1 100	1 500	78	244
20	3029513.20	2.64 / 67	3.7	20	70	540	2 900	5 500	69	129
25	3029513.25	2.64 / 67	3.7	20	90	920	4 700	9 300	91	99

¹ At rated current per IEC 60282-1



Dimensions [mm]



Accessories

Article Description	≤ 200A	> 200A	Page(s)
Fuse base, indoor	Contact SIBA	—	—
Fuse base, outdoor	Contact SIBA	—	—
Fuse clips	3100302.20	—	190
Fuse clips w/ connecting bar	3400201	—	
Microswitch assembly, * preferred	250mm - 3100116, 660mm - 3100110 & 3100210*, 900mm - 3100114, 1200mm - 3100117		187

SIBA LLC

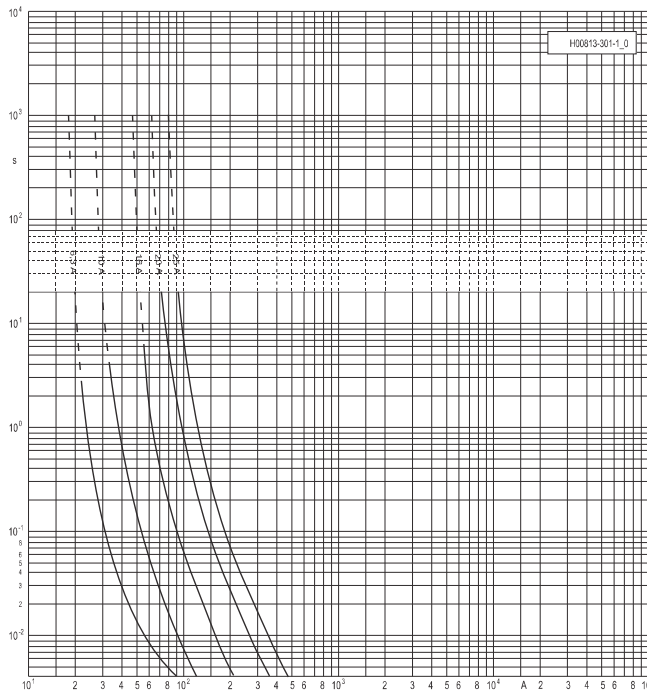
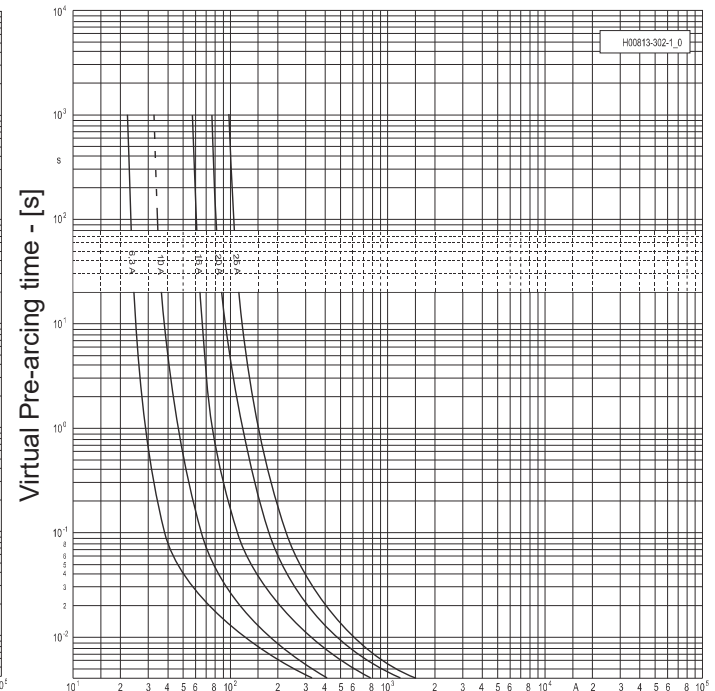
29 Fairfield Place
West Caldwell, New Jersey 07006

Phone 1-973-575-7422
Fax 1-973-575-5858

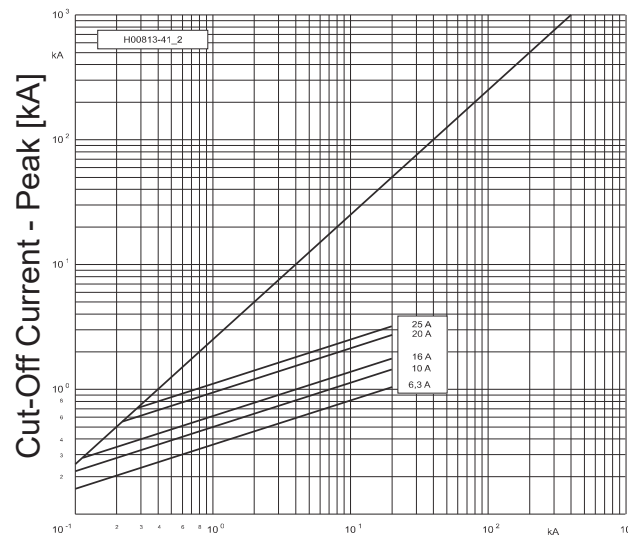
portal: www.siballc.net
e-mail: info@sibafuse.com

HHD-B**Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram****Current-Limiting, Back-Up, 20/36kV, E = 442mm (6.3A - 25A)**

3018113.6.3 - 16, 3029513.20 -25

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

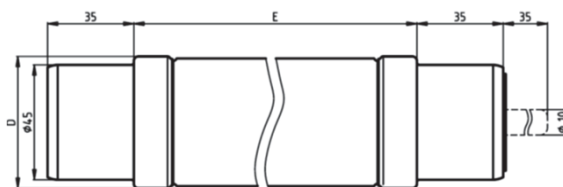
Characteristic curves for protection of transformer circuits according to DIN VDE 0670-402
(VDE 0670 Teil 402): 1988-05[1] and IEC 60787:1983-01[2]

HHD-B**20/36kV - Rated Voltage****Improved Cyclic Stability****(ICS® - ✓)****E=537mm****High Voltage Current-Limiting Fuses****For air & gas-insulated switchgear,
indoor and outdoor applications****Class****Back-Up****Standard(s)****DIN 43 625****IEC 60282-1****VDE 0670-4**

Rated current I_n [A]	Article Number	Diameter	Weight [kg/l]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @		Power loss ¹ [W]	Cold resistance [mΩ]
		D					0.87U _n (Min)	0.87U _n (Max)		
		[in/mm]					[A ² s]	[A ² s]		
With 80N Striker and Temperature Limiter										
6.3	3000813.6.3	2.09 / 53	2.7	40	22	27	210	300	44	819
10	3000813.10	2.09 / 53	2.7	40	34	98	350	740	78	521
16	3000813.16	2.09 / 53	2.7	40	56	140	1 100	1 500	101	254
20	3000813.20	2.09 / 53	2.7	40	70	540	2 900	5 500	67	129
25	3000813.25	2.09 / 53	2.7	40	90	920	4 700	9 300	90	99
31.5	3001613.31.5	2.64 / 67	4.5	40	110	1 400	6 600	13 000	135	88
40	3001613.40	2.64 / 67	4.5	40	140	2 500	12 000	22 700	173	66
50	3002413.50	3.35 / 85	6.8	40	170	4 700	20 000	43 000	214	48
63	3002413.63 ✓	3.35 / 85	6.8	40	210	8 700	40 000	88 000	255	35
RC63 [*]	3002413.80 ✓	3.35 / 85	6.8	40	280	17 000	78 000	171 000	164 ¹	25
RC71 [*]	3002413.100 ✓	3.35 / 85	6.8	40	320	18 500	130 000	107 000	171 ¹	21

* Rated current per IEC 60282-1
RC - Please see page 11

¹ At rated current per IEC 60282-1

**Dimensions [mm]****Accessories**

Article Description	≤ 200A	> 200A	Page(s)
Fuse base, indoor	3100702	—	188
Fuse base, outdoor	3100801	—	189
Fuse clips	3100302.20	—	190
Fuse clips w/ connecting bar	3400201	—	
Microswitch assembly, * preferred	250mm - 3100116, 660mm - 3100110 & 3100210*, 900mm - 3100114, 1200mm - 3100117		187

SIBA LLC

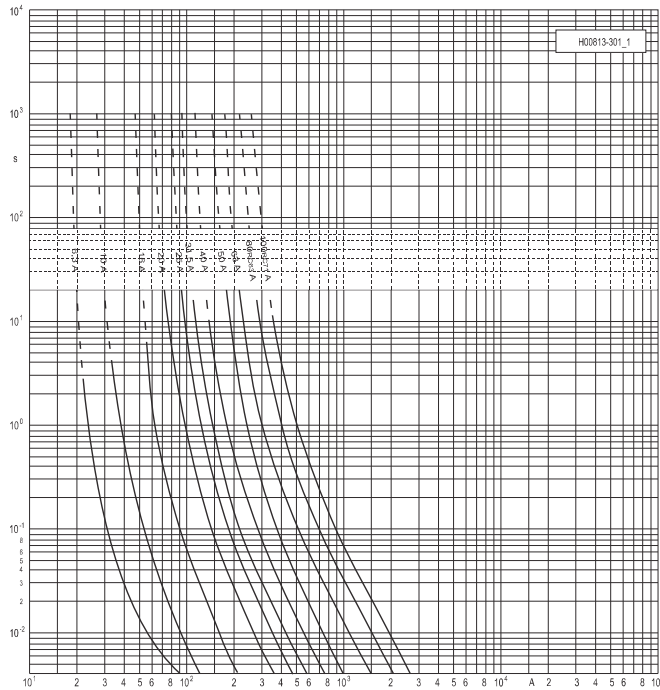
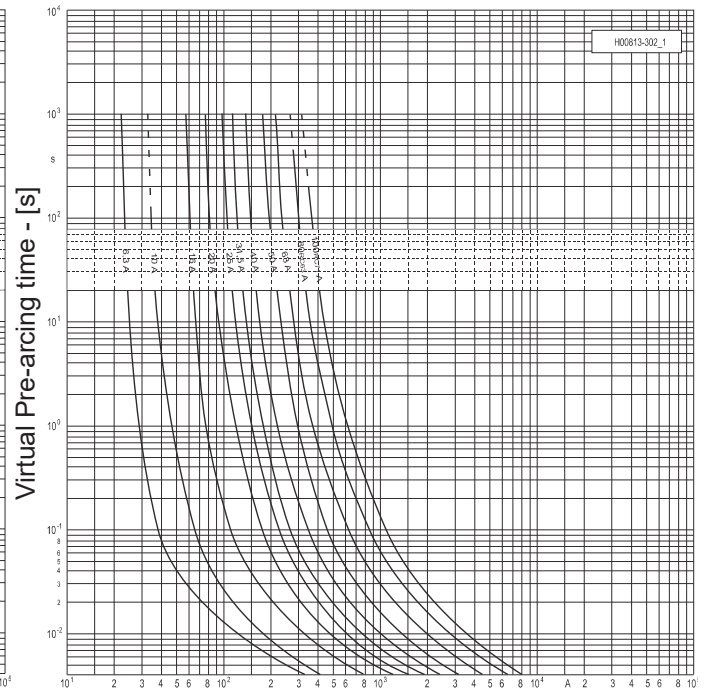
29 Fairfield Place
West Caldwell, New Jersey 07006

Phone 1-973-575-7422
Fax 1-973-575-5858

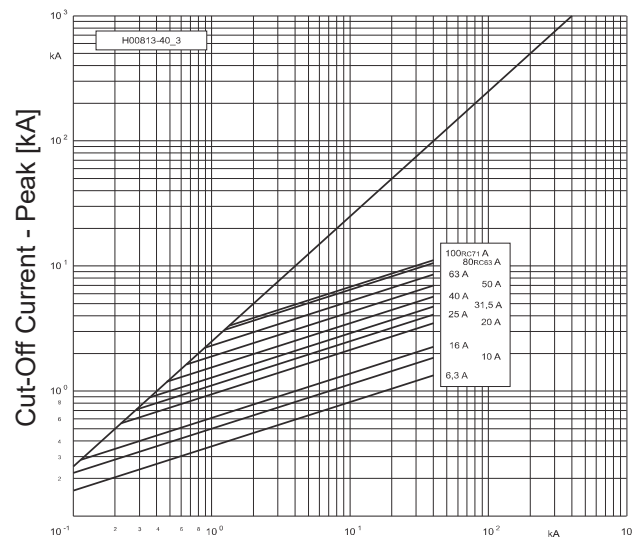
portal: www.siballc.net
e-mail: info@sibafuse.com

HHD-B**Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram****Current-Limiting, Back-Up, 20/36kV, E = 537mm (6.3A - 100A)**

3000813.6.3 - 25, 3001613.31.5 - 40, 3002413.50 - 100

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

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

Full size graphs available upon request.

HHD-B27kV - Rated Voltage [U_n]Improved Cyclic Stability

(ICS® - ✓)

E=442mm

High Voltage Current-Limiting FusesFor air & gas-insulated switchgear,
indoor and outdoor applications

Class

Back-Up



Standard(s)

DIN 43 625

IEC 60282-1

VDE 0670-4

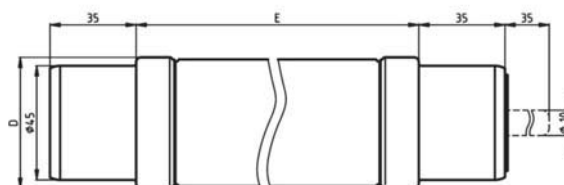
Rated current I_n [A]	Article Number	Diameter D [in/mm]	Weight [kg/l]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @ $U = 24kV$ [A ² s]	Power loss ¹ [W]	Cold resistance [mΩ]
With 80N Striker and Temperature Limiter									
6.3	3028913.6.3	2.09 / 53	2.5	63	22	45	—	360	595
10	3028913.10	2.09 / 53	2.5	63	34	75	—	560	380
16	3028913.16	2.09 / 53	2.5	63	56	250	—	2 000	185
20	3028813.20	2.64 / 67	3.7	63	70	640	—	4 800	93
25	3028813.25	2.64 / 67	3.7	63	90	1 050	—	7 500	70
31.5	3028813.31.5	2.64 / 67	3.7	63	110	1 700	—	12 000	58
40	3028813.40	2.64 / 67	3.7	63	140	2 900	—	19 000	44
50	3028813.50	2.64 / 67	3.7	63	170	5 700	—	33 000	32
RC56*	3028813.63 ✓	2.64 / 67	3.7	63	210	8 700	—	53 000	130 ¹
RC71*	3028713.80 ✓	3.43 / 87	5.7	63	280	17 400	—	116 000	145 ¹
Glass-epoxy reinforced ceramic for indoor use only, with 80N Striker and Temperature Limiter									
RC80*	3028713.100LM** ✓	3.43 / 87	5.7	63	320	28 200	—	218 000	151 ¹
RC90*	3028713.125LM** ✓	3.43 / 87	5.7	63	390	38 400	—	265 000	159 ¹
RC100*	3028713.160LM** ✓	3.43 / 87	5.7	63	460	61 900	—	395 000	163 ¹

* Rated current per IEC 60282-1

RC - Please see page 11

¹ At rated current per IEC 60282-1

** "LM" is a patented laminated double layer insulating tube introduced in 2019 to offer improved electrical performance above stated by IEC 60282-1

**Dimensions [mm]****Accessories**

Article Description	≤ 200A	> 200A	Page(s)
Fuse base, indoor	3500010	—	188
Fuse base, outdoor	Contact SIBA	—	189
Fuse clips	3100302.20	—	190
Fuse clips w/ connecting bar	3400201	—	
Microswitch assembly, * preferred	250mm - 3100116, 660mm - 3100110 & 3100210*, 900mm - 3100114, 1200mm - 3100117		187

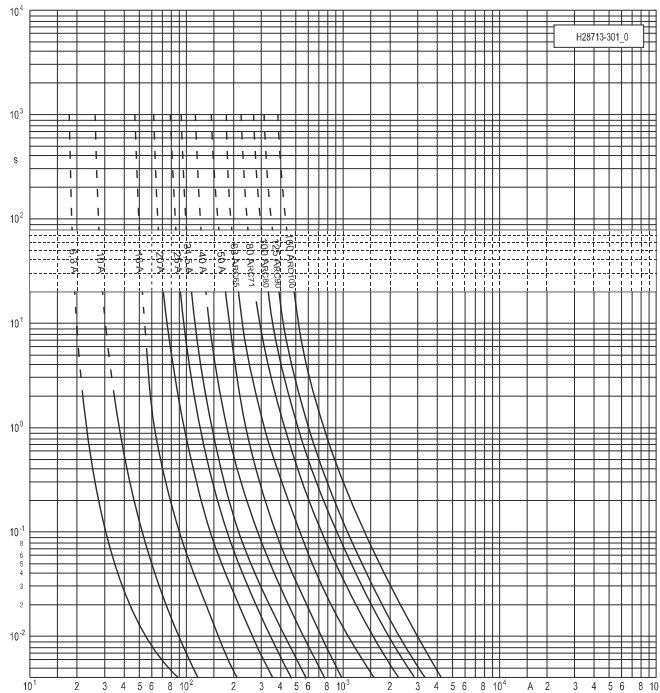
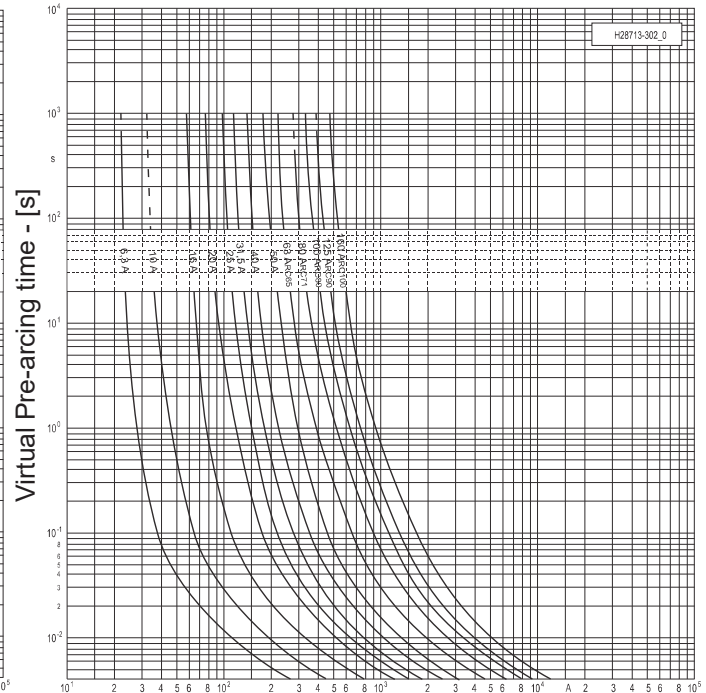
SIBA LLC

29 Fairfield Place
West Caldwell, New Jersey 07006portal: www.siballc.net
e-mail: info@sibafuse.com

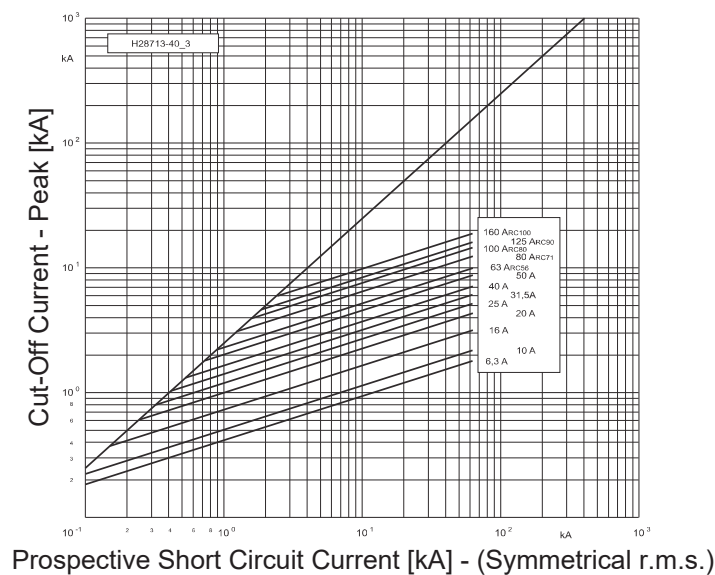
HHD-B

Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
Current-Limiting, Back-Up, 27kV, E = 442mm (6.3A - 125A)

3028913.6.3 - 16, 3028813.20 - 63, 3028713.80 - 160

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

Full size graphs available upon request.

HHD-B

38.5kV - Rated Voltage[U_n]

Improved Cyclic Stability

(ICS[®] - ✓)

E=537mm

High Voltage Current-Limiting Fuses

**For air & gas-insulated switchgear,
indoor and outdoor applications**

Class

Back-Up



Standard(s)

DIN 43 625

IEC 60282-1

VDE 0670-4

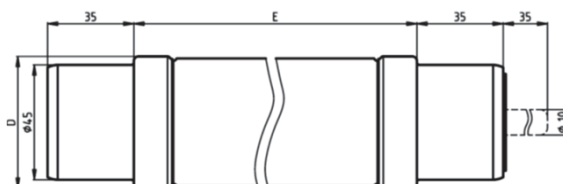
Rated current I_n [A]	Article Number	Diameter	Weight [kg/1]	Rated breaking current I_1 [kA]	Minimum breaking current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @ 0.87U _n		Power loss ¹ [W]	Cold resistance [mΩ]
		D [in/mm]					[A ² s]	[A ² s]		
With 80N Striker and Temperature Limiter										
6.3	3033713.6.3	2.09 / 53	2.7	40	22	45	—	360	51	943
10	3033713.10	2.09 / 53	2.7	40	34	75	—	560	86	590
16	3033813.16	2.64 / 67	4.5	40	56	250	—	2 000	85	293
20	3033813.20	2.64 / 67	4.5	40	70	640	—	4 800	76	148
25	3033813.25	2.64 / 67	4.5	40	90	1 050	—	7 500	100	114
31.5	3033813.31.5	2.64 / 67	4.5	40	110	1 700	—	12 000	108	93
40	3033913.40	3.35 / 85	6.8	40	140	2 900	—	19 000	152	70
50	3033913.50	3.35 / 85	6.8	40	170	5 700	—	33 000	196	51
RC50 ¹	3033913.63 ✓	3.35 / 85	6.8	40	210	10 700	—	66 000	171 ¹	30

* Rated current per IEC 60282-1
RC - Please see page 11

¹ At rated current per IEC 60282-1



Dimensions [mm]



Accessories

Article Description	≤ 200A	> 200A		Page(s)
Fuse base, indoor	Contact SIBA	—		188
Fuse base, outdoor	3134001	—		189
Fuse clips	3100302.20	—		190
Fuse clips w/ connecting bar	3400201	—		
Microswitch assembly, * preferred	250mm - 3100116, 660mm - 3100110 & 3100210*, 900mm - 3100114, 1200mm - 3100117			187

SIBA LLC

29 Fairfield Place

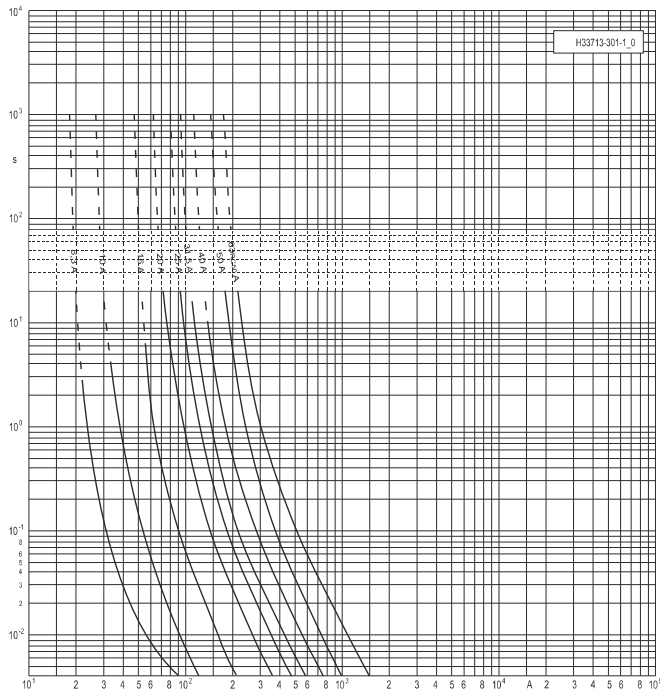
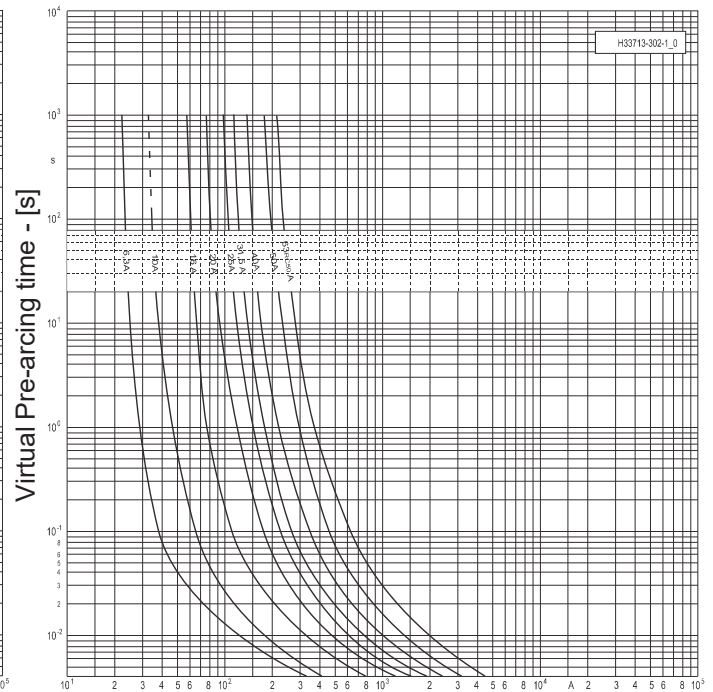
West Caldwell, New Jersey 07006

portal: www.siballc.net

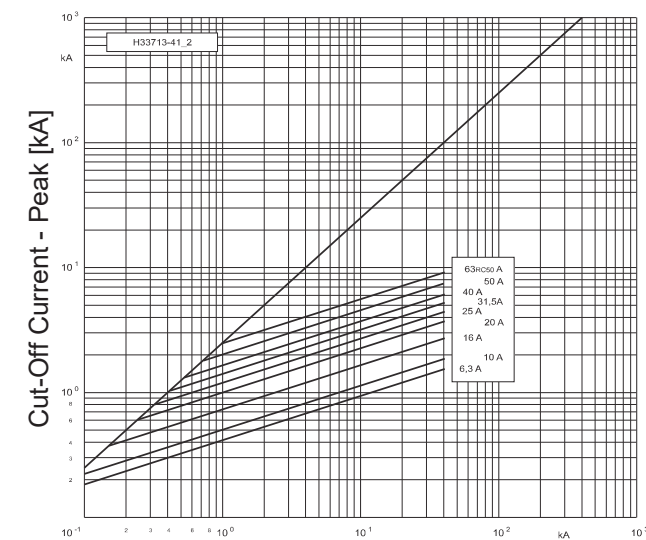
e-mail: info@sibafuse.com

HHD-B**Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram****Current-Limiting, Back-Up, 38.5kV, E = 537mm (6.3A - 63A)**

3033713.6.3 - 10, 3033813.16 - 31.5, 3033913.40 - 63

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

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

Full size graphs available upon request.

HHD-B

40.5kV - Rated Voltage[U_n]

High Voltage Current-Limiting Fuses

For air & gas-insulated switchgear,
indoor and outdoor applications

Class

Back-Up



Standard(s)

DIN 43 625

IEC 60282-1

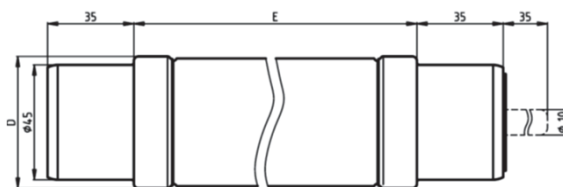
VDE 0670-4

E=537mm

Rated current I _n [A]	Article Number	Diameter	Weight [kg/l]	Rated breaking current I ₁ [kA]	Minimum breaking current I ₃ [A]	Pre-arcing I ² t [A ² s]	Total I ² t @ 0.87U _n		Power loss ¹ [W]	Cold resistance [mΩ]
		D						I ² t		
		[in/mm]					[A ² s]	[A ² s]		
With 80N Striker and Temperature Limiter										
6.3	3034013.6.3	2.09 / 53	2.7	40	22	45	—	360	52	949
10	3034013.10	2.09 / 53	2.7	40	34	75	—	560	81	620
16	3034013.16	2.09 / 53	2.7	40	56	250	—	2 000	94	285
20	3034013.20	2.09 / 53	2.7	40	70	640	—	4 800	76	145
25	3034113.25	2.64 / 67	4.5	40	90	1 050	—	7 500	103	120
31.5	3034113.31.5	2.64 / 67	4.5	40	110	1 700	—	12 000	126	98
40	3034113.40	2.64 / 67	4.5	40	140	2 900	—	19 000	175	73
RC45 [*]	3034213.50	3.35 / 85	6.8	40	170	5 700	—	33 000	180 ¹	53
RC50 [*]	3034213.63	3.35 / 85	6.8	40	210	10 700	—	66 000	182 ¹	39
—	3047513.80	3.35 / 85	6.8	30	Contact SIBA				—	—

* Rated current per IEC 60282-1
RC - Please see page 11¹ At rated current per IEC 60282-1

Dimensions [mm]



Accessories

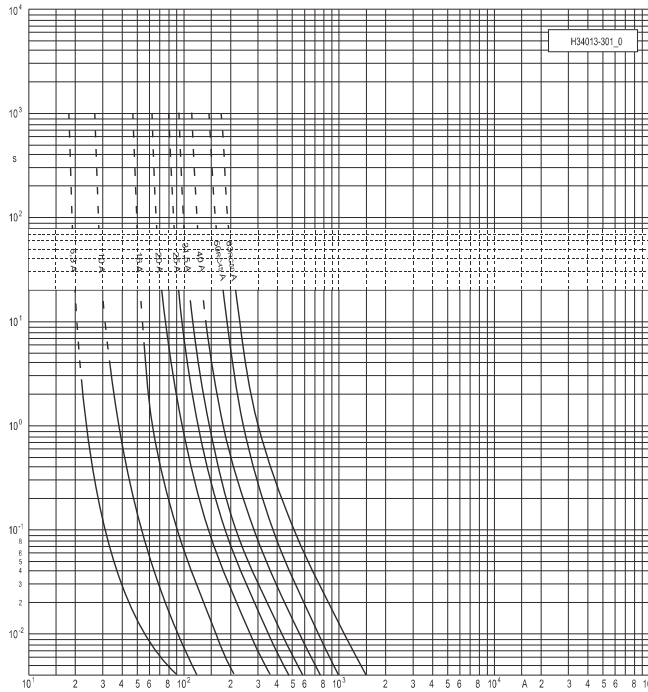
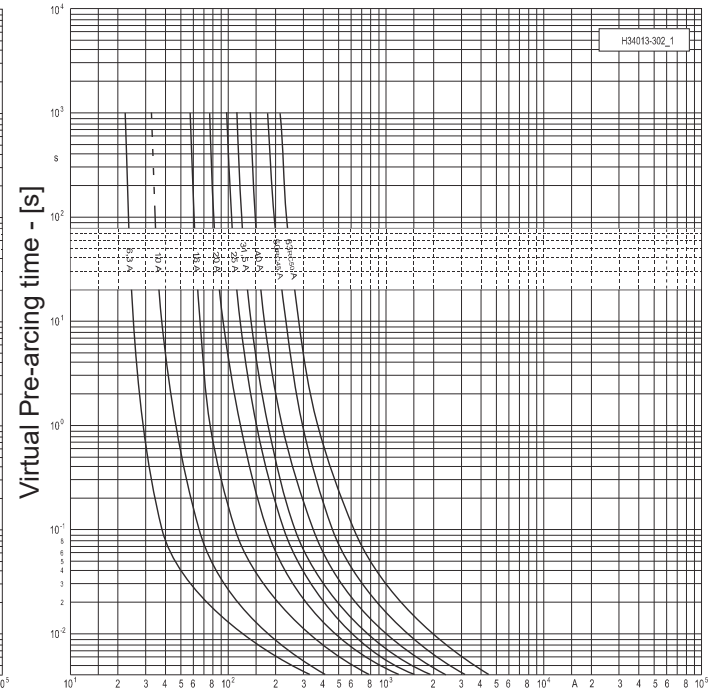
Article Description	≤ 200A	> 200A	Page(s)
Fuse base, indoor	Contact SIBA	—	188
Fuse base, outdoor	3134001	—	189
Fuse clips	3100302.20	—	190
Fuse clips w/ connecting bar	3400201	—	
Microswitch assembly, * preferred	250mm - 3100116, 660mm - 3100110 & 3100210*, 900mm - 3100114, 1200mm - 3100117		187

SIBA LLC

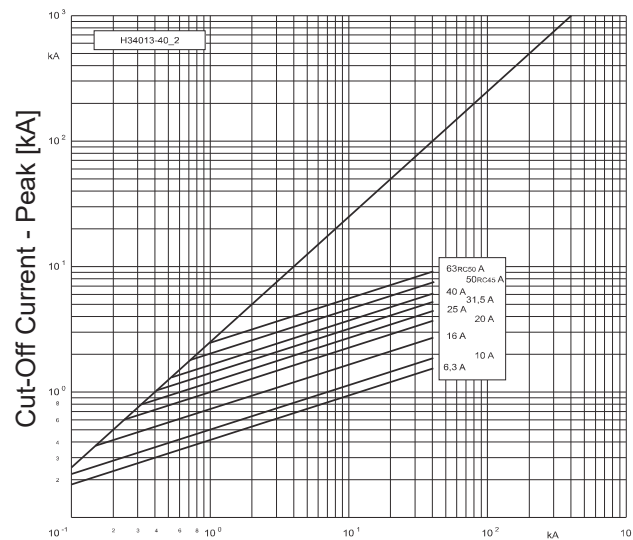
29 Fairfield Place
West Caldwell, New Jersey 07006Phone 1-973-575-7422
Fax 1-973-575-5858portal: www.siballc.net
e-mail: info@sibafuse.com

HHD-B**Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram****Current-Limiting, Back-Up, 40.5kV, E = 537mm (6.3A - 63A)**

3034013.10 - 20, 3034113.25 - 40, 3034213.50 - 63

Minimum Melting**Total Clearing**

R.M.S. Prospective Current [A]

Cut-Off Current

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

Full size graphs available upon request.