

Special - Wind Power Fuses Selection Guide

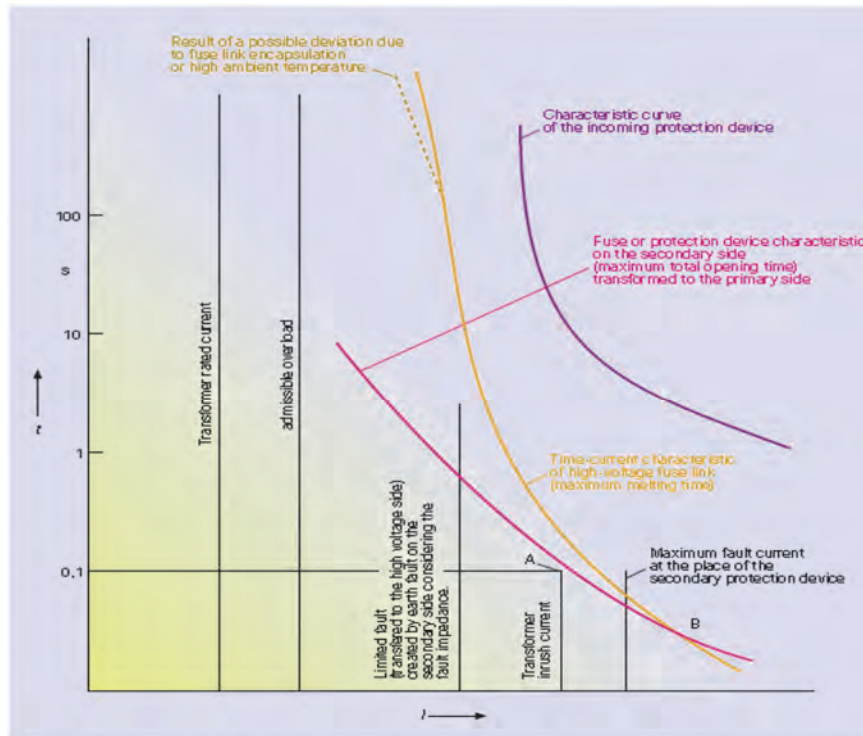
HHD-BSSK, Current-Limiting, Back-Up

Current ratings [A]; 63, 80, 100, 125, 160,

E=192mm	Page	E=292mm	Page	E=367mm	Page	E=442mm	Page	E=537mm	Page
6 / 12kV									
		3001243.63 -100	54			3010243.80 -100	56		
		3002043.125	54			3010343.125 - 160	56		
10 / 24kV									
						3001443.80 - 100	58		
						3002243.125 -160	58		
20 / 36kV									
								3002443.63 - 80	60

Special Fusing for Wind-Power Transformer Applications

The **SIBA** high voltage fuse type **SSK** extends the range of usage for switch-fuse combinations up to larger transformer sizes. In connection with the temperature sensitive striker pin, which avoids switchgear damage caused by higher temperatures, this high voltage fuse type allows proper and cost effective fusing of distribution transformers by means of switch-fuse combinations.



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-BSSK
6/12kV - Rated Voltage

High Voltage Current-Limiting Fuses

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

Standard(s)

DIN 43 625

IEC 60282-1

VDE 0670 - 4

Size E=292mm

Class
Back-Up

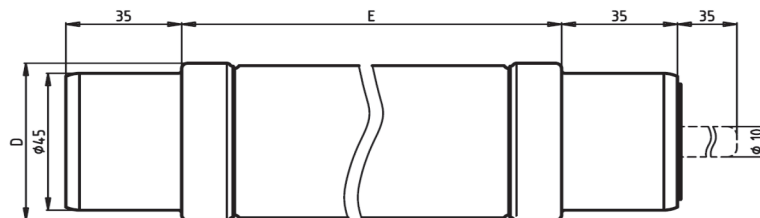


Rated Current I_n [A]	Article Number	Diameter D	Weight [kg/1]	Rated Breaking Current I_1 [kA]	Minimum Breaking Current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @ 0.87U _n (Max)		Power Loss [W]	Cold Resistance [mΩ]
		[in/mm]					[A ² s]	[A ² s]		
With 80N Striker and Thermal Limiter										
63	3001243.63	2.64 / 67	2.6	63	210	9 300	—	74 000	62	10
80	3001243.80	2.64 / 67	2.6	63	280	12 800	—	103 000	76	8.7
100	3001243.100	2.64 / 67	2.6	63	320	22 300	—	138 000	98	6.5
125	3002043.125	3.35 / 85	3.9	63	450	39 000	—	323 000	135	4.8

Accessories

Article Description	≤ 200A		Page(s)
Fuse Base, Indoor	3100302		98
Fuse Base, Outdoor	3100401		99
Clips	3100302.20		100
Clips w/Connecting Bar	3400201		100
Microswitch fittings	250mm - 3100116, 660mm - 3100110, 900mm - 3100114, 1200mm - 3100117		97

Dimensions [mm]



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29 Fairfield Place
West Caldwell, New Jersey 07006

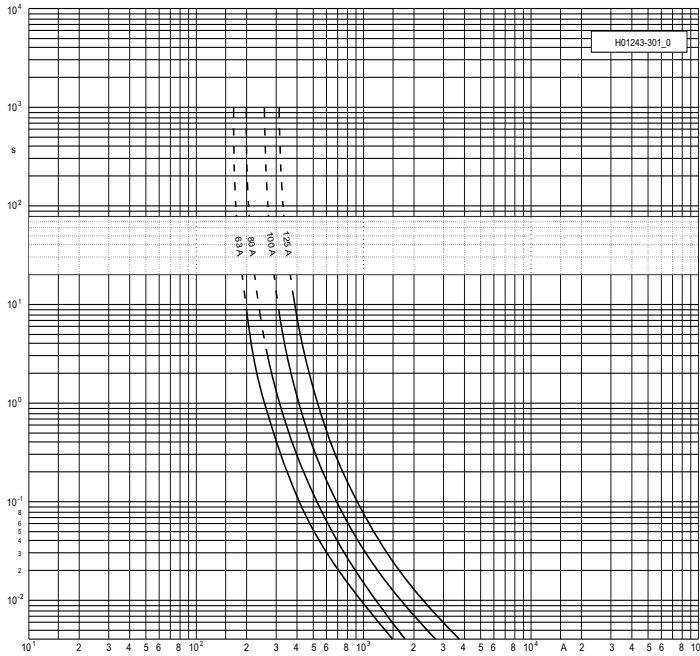
e-mail: info@sibafuse.com

www.siba-fuses.us

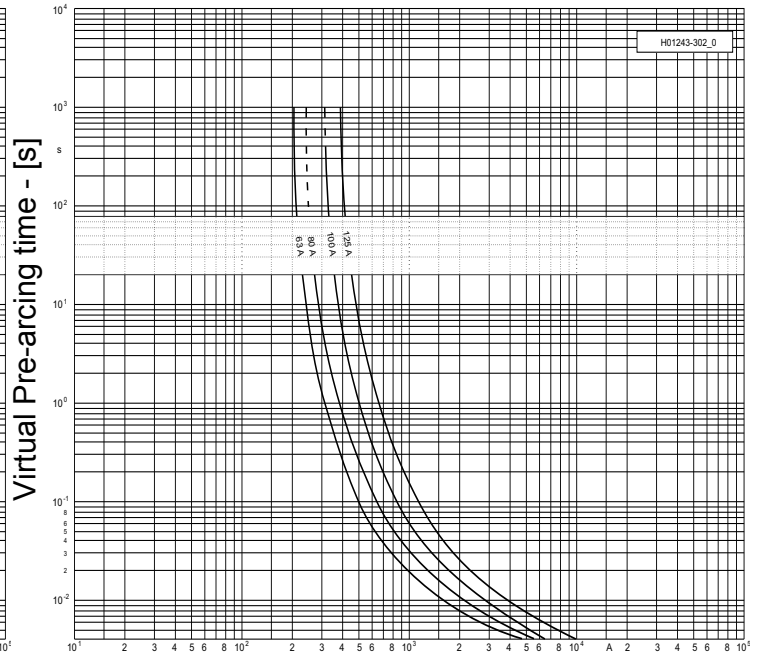
**HHD-BSSK Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
Current-Limiting, Back-Up, 6/12kV, E = 292mm (63A - 125A)**

3001443.63 - 100, 3002043.125

Minimum Melting

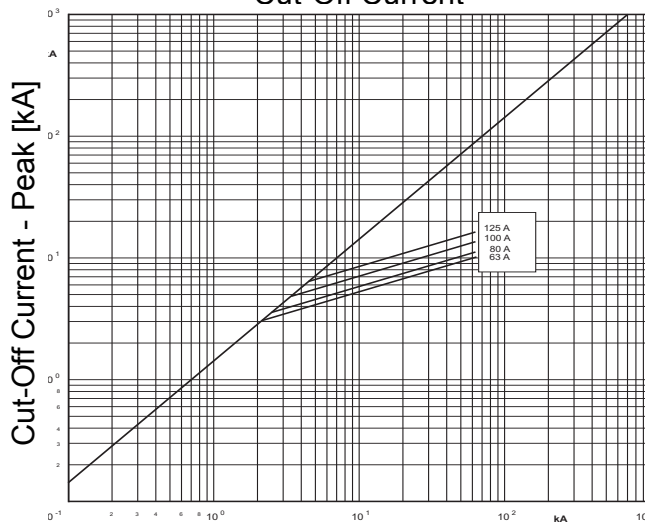


Total Clearing



R.M.S. Prospective Current [A]

Cut-Off Current



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

HHD-BSSK
6/12kV - Rated Voltage

High Voltage Current-Limiting Fuses

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

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

Size E=442mm

Class
Back-Up



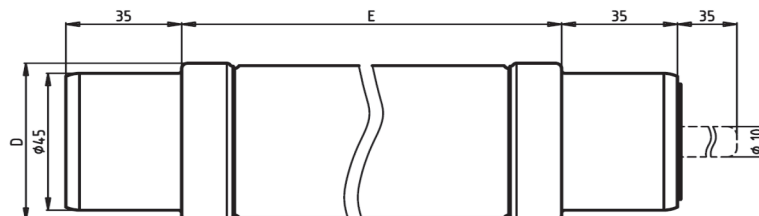
Rated Current I_n [A]	Article Number	Diameter D	Weight [kg/1]	Rated Breaking Current I_1 [kA]	Minimum Breaking Current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @ 0.87U _n (Max) [A ² s]	Power Loss [W]	Cold Resistance [mΩ]	
		[in/mm]								
With 80N Striker and Thermal Limiter										
80	3010243.80	2.64 / 67	3.7	63	280	12 800	—	103 000	72	8.7
100	3010243.100	2.64 / 67	3.7	63	320	22 300	—	138 000	93	6.5
125	3010343.125	3.35 / 85	5.7	63	450	39 000	—	323 000	128	4.8
160	3010343.160RC140*	3.35 / 85	5.7	63	600	50 000	—	405 000	125*	4.5

*At rated current per IEC 60282-1

Accessories

Article Description	≤ 200A		Page(s)
Fuse Base, Indoor	3110102		98
Fuse Base, Outdoor	Contact SIBA		99
Clips	3100302.20		100
Clips w/Connecting Bar	3400201		100
Microswitch fittings	250mm - 3100116, 660mm - 3100110, 900mm - 3100114, 1200mm - 3100117		97

Dimensions [mm]



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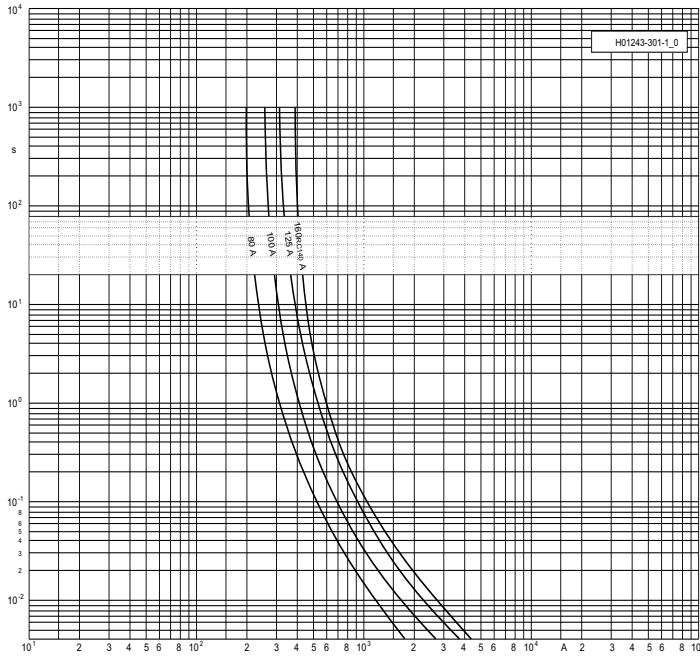
29 Fairfield Place
West Caldwell, New Jersey 07006

e-mail: info@sibafuse.com
www.siba-fuses.us

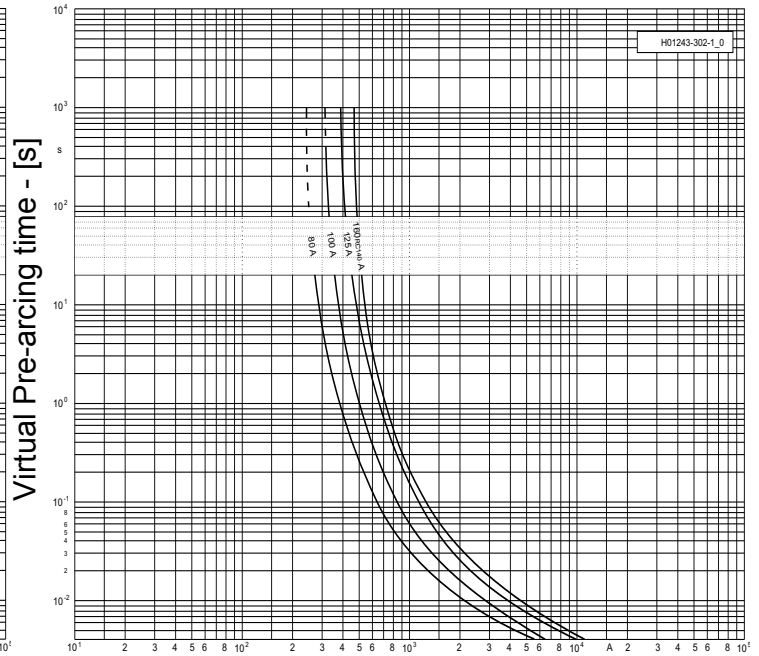
**HHD-BSSK Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
Current-Limiting, Back-Up, 6/12kV, E = 442mm (80A - 160A)**

3010243.80 - 100, 3010343.125 - 160

Minimum Melting

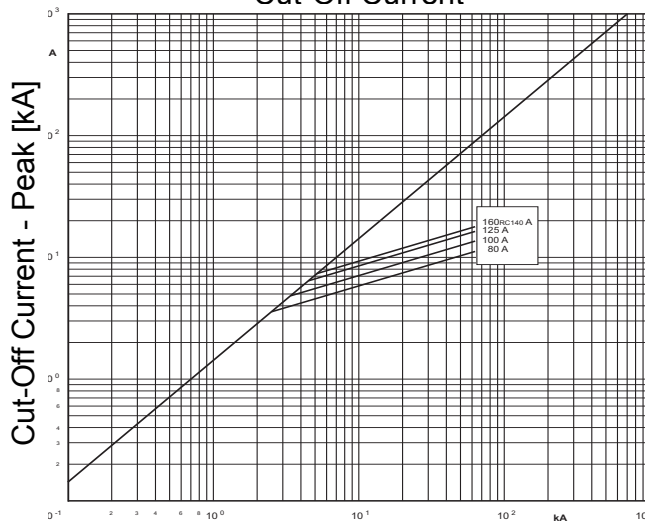


Total Clearing



R.M.S. Prospective Current [A]

Cut-Off Current



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

HHD-BSSK
10/24kV - Rated Voltage

High Voltage Current-Limiting Fuses

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

Standard(s)

DIN 43 625

IEC 60282-1

VDE 0670 - 4

Size E=442mm

Class
Back-Up

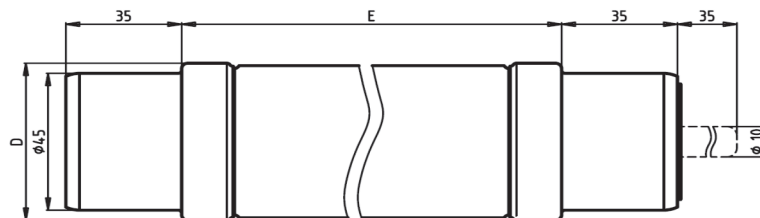


Rated Current I_n [A]	Article Number	Diameter D	Weight [kg/1]	Rated Breaking Current I_1 [kA]	Minimum Breaking Current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @ 0.87U _n (Max)		Power Loss [W]	Cold Resistance [mΩ]
		[in/mm]					[A ² s]	[A ² s]		
With 80N Striker and Thermal Limiter										
63	3001443.63	2.64 / 67	3.7	63	210	9 300	—	74 000	117	19
80	3001443.80	2.64 / 67	3.7	63	280	12 800	—	103 000	143	15
100	3002243.100	2.64 / 67	5.7	63	320	22 300	—	136 000	188	12
125	3002243.125	3.35 / 85	5.7	63	450	30 300	—	248 000	277	10

Accessories

Article Description	≤ 200A			Page(s)
Fuse Base, Indoor	3100502			98
Fuse Base, Outdoor	3100601			99
Clips	3100302.20			100
Clips w/Connecting Bar	3400201			100
Microswitch fittings	250mm - 3100116, 660mm - 3100110, 900mm - 31001 4, 1200mm - 3100117			97

Dimensions [mm]



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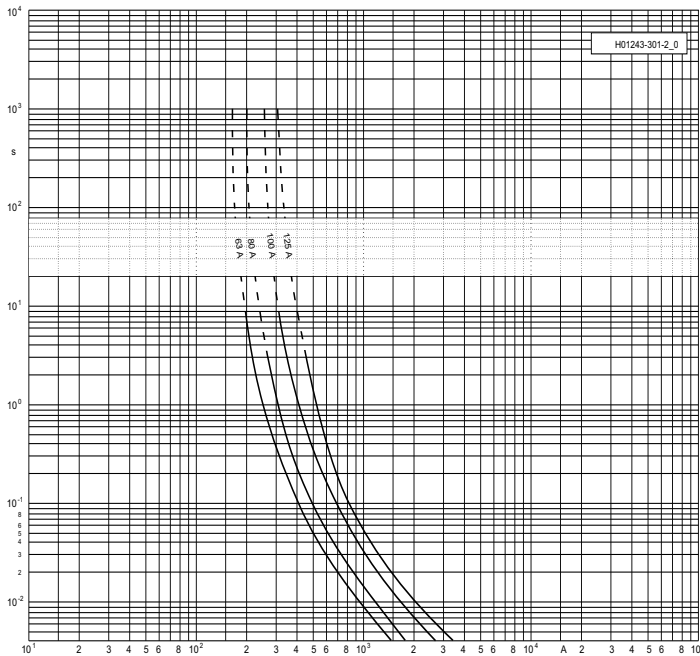
e-mail: info@sibafuse.com

www.siba-fuses.us

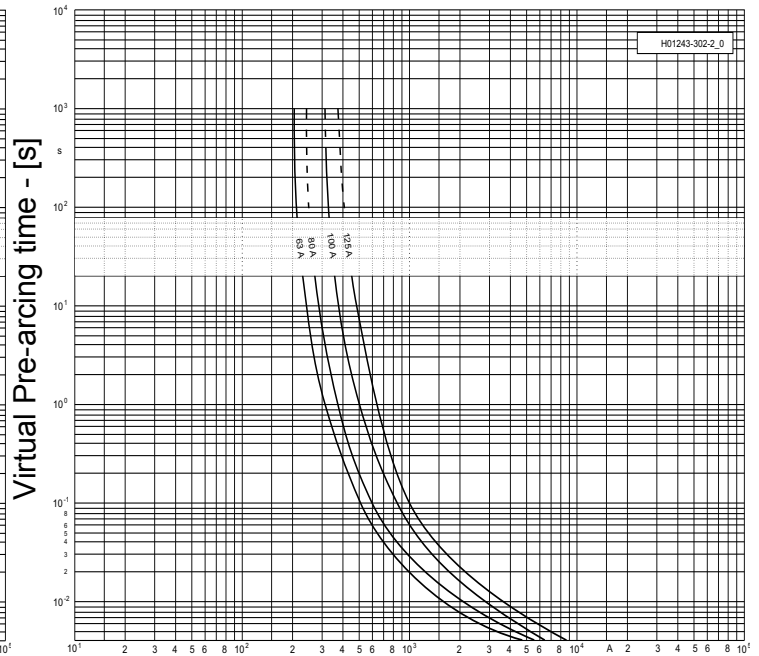
**HHD-BSSK Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
Current-Limiting, Back-Up, 10/24kV, E = 442mm (63A - 125A)**

3001443.63 - 80, 3002243.100 - 125

Minimum Melting

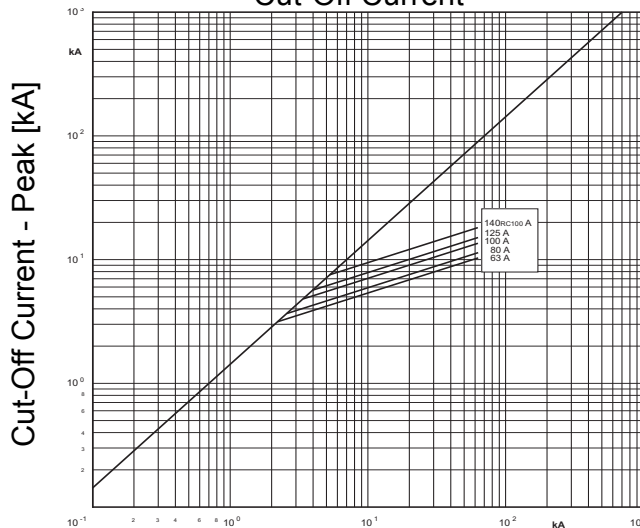


Total Clearing



R.M.S. Prospective Current [A]

Cut-Off Current



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

HHD-BSSK
20/36kV - Rated Voltage

High Voltage Current-Limiting Fuses

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

Standard(s)

DIN 43 625

IEC 60282-1

VDE 0670 - 4

Size E=537mm

Class
Back-Up



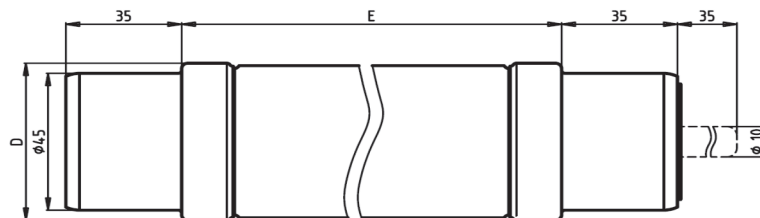
Rated Current I_n [A]	Article Number	Diameter D	Weight [kg/1]	Rated Breaking Current I_1 [kA]	Minimum Breaking Current I_3 [A]	Pre-arcing I^2t [A ² s]	Total I^2t @ 0.87U _n (Max) [A ² s]	Power Loss [W]	Cold Resistance [mΩ]	
		[in/mm]								
With 80N Striker and Thermal Limiter										
63	3002443.63	3.35 / 85	6.8	40	280	9 300	—	74 000	189	30
80	3002443.80RC71*	3.35 / 85	6.8	40	320	18 400	—	138 000	153*	21

*At rated current per IEC 60282-1

Accessories

Article Description	≤ 200A		Page(s)
Fuse Base, Indoor	3100702		98
Fuse Base, Outdoor	3100801		99
Clips	3100302.20		100
Clips w/Connecting Bar	3400201		100
Microswitch fittings	250mm - 3100116, 660mm - 3100110, 900mm - 3100114, 1200mm - 3100117		97

Dimensions [mm]



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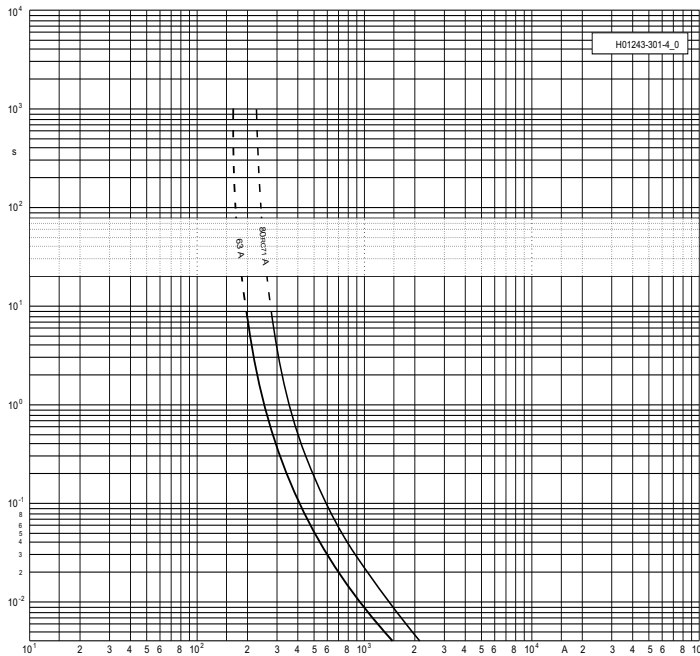
e-mail: info@sibafuse.com

www.siba-fuses.us

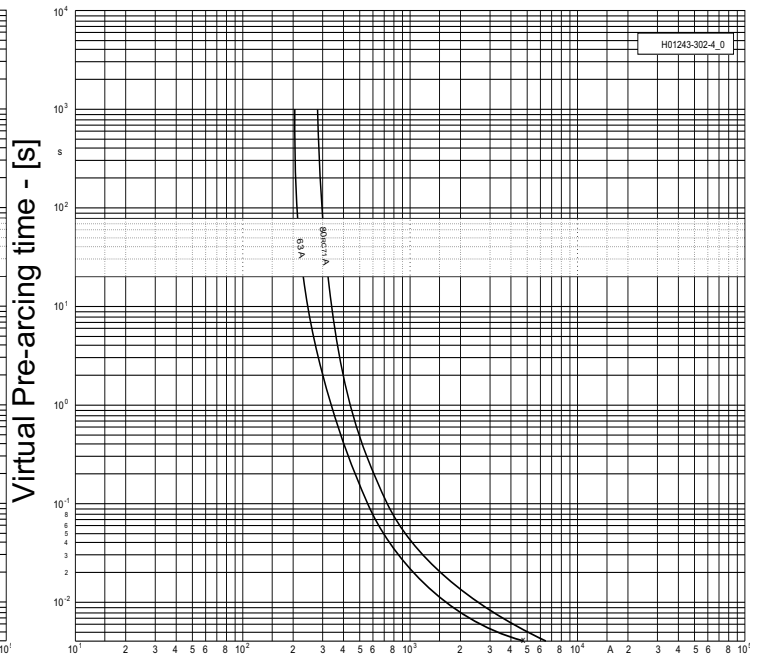
**HHD-BSSK Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
Current-Limiting, Back-Up, 20/36kV, E = 537mm (63A - 80A)**

3002443.63 - 80

Minimum Melting

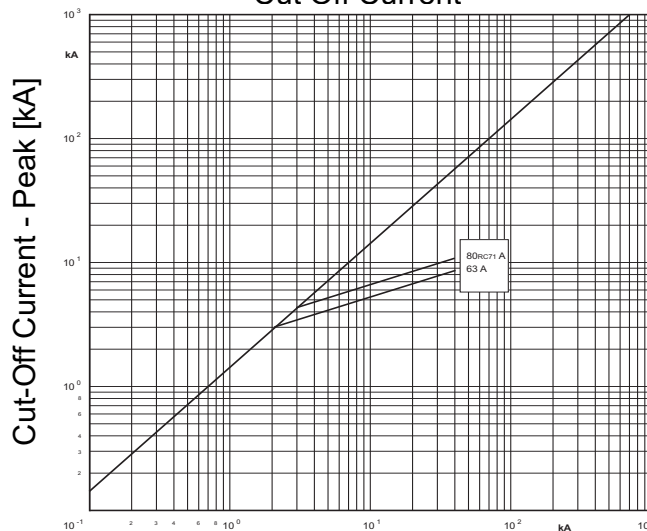


Total Clearing



R.M.S. Prospective Current [A]

Cut Off Current



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