

Selection Guide

HHD-F, DIN Style, Current-Limiting, Full-Range

Current ratings [A]; 6.3 10, 16, 20, 25, 31.5, 40, 50, 63, 80, 100, 125

E=192mm	Page	E=292mm	Page	E=367mm	Page	E=442mm	Page	E=537mm	Page
6 / 12kV									
		3000403.6.3 - 40	42						
		3001203.50 - 63	42						
		3002003.80 - 125	42						
10 / 24kV									
						3000603.6.3 - 31.5	44		
						3001403.40 - 50	44		
20 / 36kV									



HHD-F
6/12kV - Rated Voltage

High Voltage Current-Limiting Fuses

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

Class

Full-Range

Standard(s)

DIN 43 625

IEC 60282-1

VDE 0670 - 4



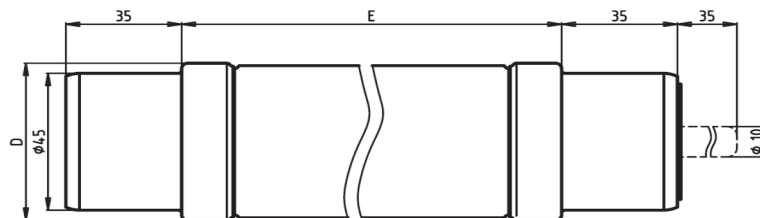
Size E=292mm

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										
6.3	3000403.6.3	2.09 / 53	1.6	80	6.3	32	—	480	18	370
10	3000403.10	2.09 / 53	1.6	80	10	130	—	1 700	29	200
16	3000403.16	2.09 / 53	1.6	80	16	390	—	1 900	25	70
20	3000403.20	2.09 / 53	1.6	80	20	800	—	3 500	27	48
25	3000403.25	2.09 / 53	1.6	80	25	1 550	—	6 500	31	36
31.5	3000403.31.5	2.09 / 53	1.6	80	31.5	2 900	—	12 000	34	26
40	3000403.40	2.09 / 53	1.6	80	40	5 800	—	26 500	43	18
50	3001203.50	2.64 / 67	2.6	80	50	9 200	—	41 000	52	14
63	3001203.63	2.64 / 67	2.6	80	63	15 000	—	61 500	64	11
80	3002003.80	3.35 / 85	3.9	80	80	31 000	—	145 000	68	7.7
100	3002003.100	3.35 / 85	3.9	80	100	61 000	—	260 000	86	5.8
125		3.35 / 85	3.9	80	Contact SIBA					

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]



SIBA LLC

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West Caldwell, New Jersey 07006

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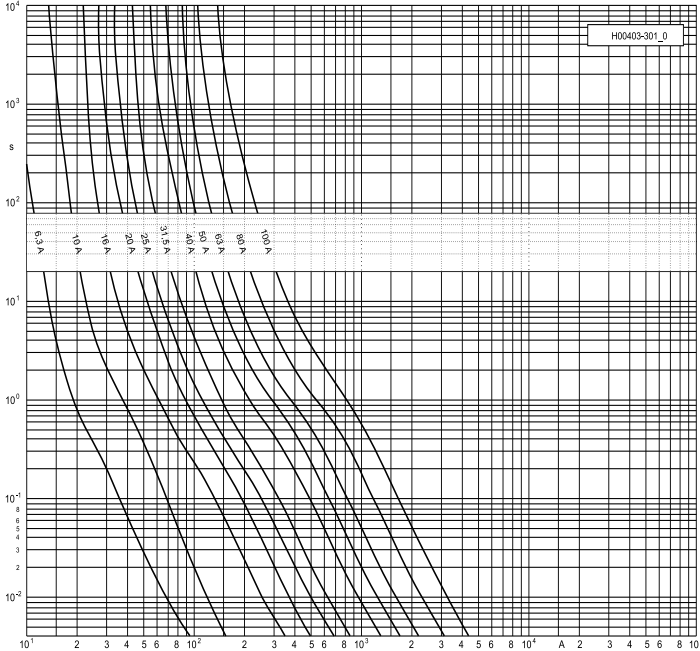
e-mail: info@sibafuse.com

www.siba-fuses.us

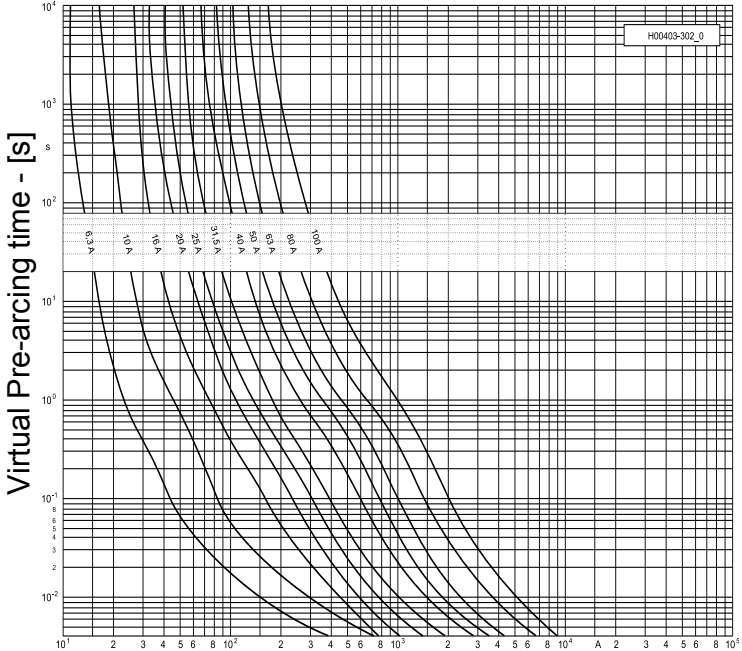
HHD-F Time-Current Characteristics - Minimum Melting and Total Clearing Cut-Off Current Diagram Current-Limiting, Full-Range, 6/12kV, E = 292mm (6.3A - 100A)

3000403.6.3 - 40, 3001203.50 - 63, 3002003.80 - 100

Minimum Melting

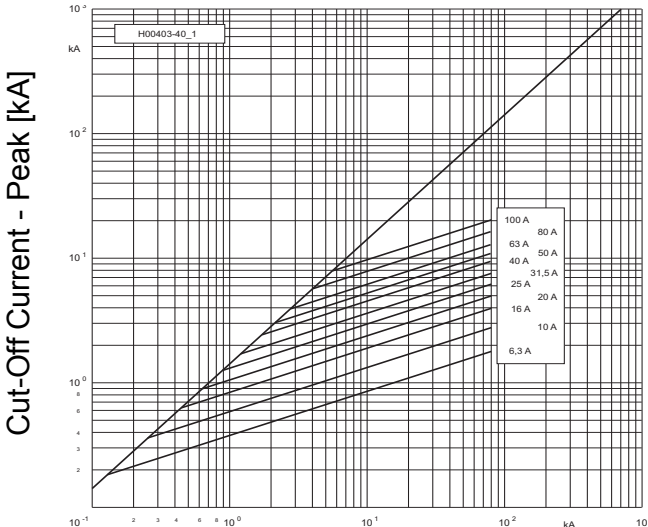


Total Clearing



R.M.S. Prospective Current [A]

Cut-Off Current



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

HHD-F
10/24kV - Rated Voltage

High Voltage Current-Limiting Fuses

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

Class

Full-Range

Standard(s)

DIN 43 625

IEC 60282-1

VDE 0670 - 4



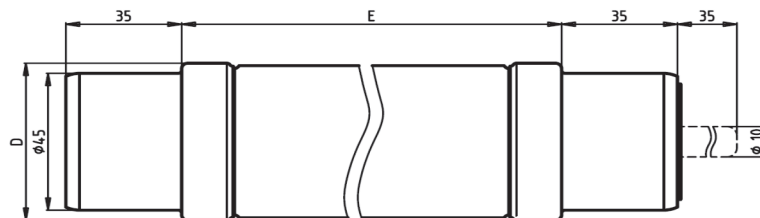
Size E=442mm

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 @ $0.87U_n(\text{Max})$		Power Loss [W]	Cold Resistance [mΩ]
		[in/mm]					[A ² s]	[A ² s]		
With 80N Striker and Thermal Limiter										
6.3	3000603.6.3	2.09 / 53	2.5	63	6.3	32	—	470	32	580
10	3000603.10	2.09 / 53	2.5	63	10	85	—	420	39	280
16	3000603.16	2.09 / 53	2.5	63	16	330	—	1 600	48	139
20	3000603.20	2.09 / 53	2.5	63	20	800	—	3 700	50	90
25	3000603.25	2.09 / 53	2.5	63	25	1 600	—	8 000	57	64
31.5	3000603.31.5	2.09 / 53	2.5	63	31.5	3 200	—	16 000	65	45
40	3001403.40	2.64 / 67	3.7	63	40	5 800	—	29 500	82	34
50	3001403.50	2.64 / 67	3.7	63	50	8 700	—	45 000	105	27

Accessories

Article Description	≤ 200A			Page(s)
Fuse Base, Indoor	3110102			98
Fuse Base, Outdoor	3100601			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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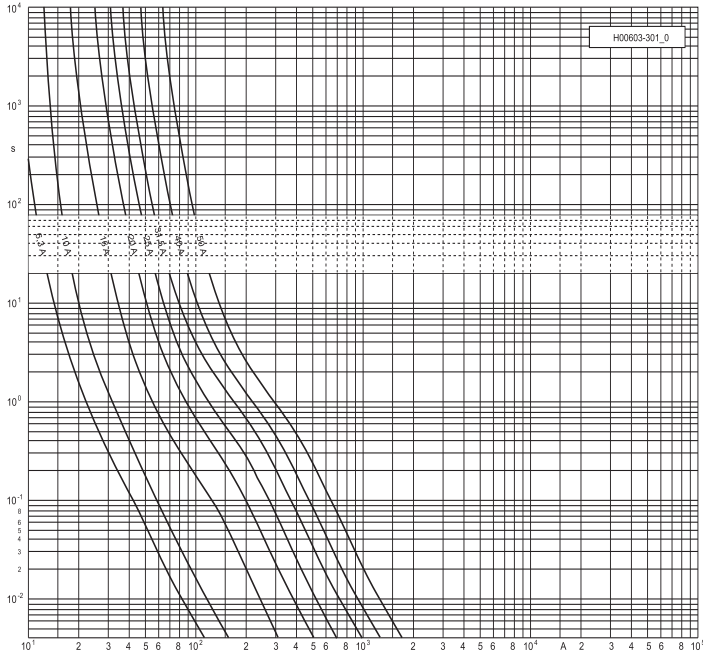
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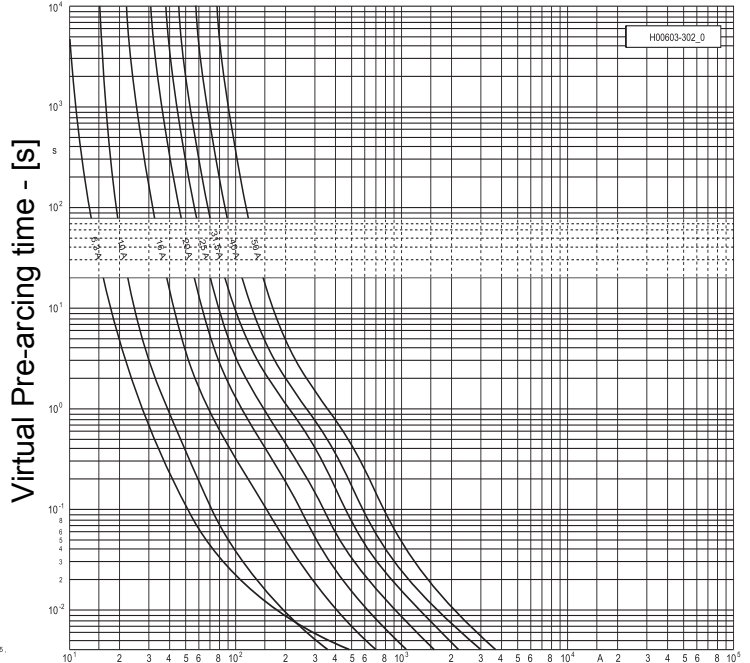
**HHD-F Time-Current Characteristics - Minimum Melting and Total Clearing
Cut-Off Current Diagram
Current-Limiting, Full-Range, 10/24kV, E = 442mm (6.3A - 50A)**

3000603.6.3 - 31.5, 3001403.40 - 50

Minimum Melting

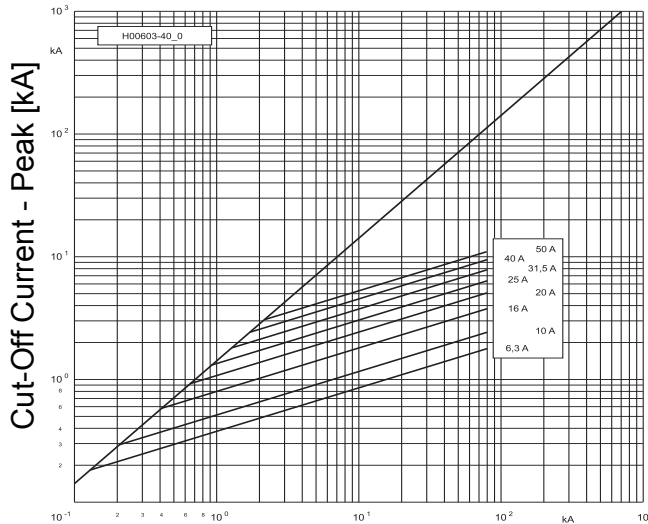


Total Clearing



R.M.S. Prospective Current [A]

Cut-Off Current



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