

112 9PV  
DC 1100 V / 30 kA  
CE UL NH  
20 028 28  
Made in Germany

**Expanded PV and  
Energy Storage  
(ES) Systems**

**Our protection.  
Your benefit.**

**SIBA**

**F U S E S**

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# SIBA



## ABOUT SIBA FUSES

Our protection is your benefit. SIBA has over 70 years of history in developing a global product line which is supported by efficient worldwide offices, local technical assistance and a vast distribution network. Our products work in the background, unobtrusively protecting your personnel, equipment and your investments. Our own proprietary product developments and meticulous monitoring of our production ensure that our fuses are of the best quality. Our products come into action before any major damage can occur. Seen in this light, SIBA fuses are an important investment.

SIBA FUSES is proud to introduce our new product line of Energy Storage (ES) fuses that features a high breaking capacity for low L/R, specifically designed to meet the stringent requirements for energy storage applications. Voltages range from 800VDC - 4200VDC +. Fuses come with a wide range of mounting options.

## SIBA - Safety through quality. Superior engineering for circuit protection.

SIBA Fuse products are designed and manufactured to a variety of major international standards such as: UL/CSA/IEC/DIN/BS and NF. The design and manufacturing operation in Germany is DIN EN ISO 9001 and DIN EN ISO 14001.

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**Our Protection.  
 Your Benefit.**

Request 2017 Catalog:  
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**SOLAR, WIND & ENERGY STORAGE**





# Product Overview

## HH - High Voltage Fuses International Standards for Indoor / Outdoor / Oil Submersible for AC and DC applications DIN / IEC Standards.

Power: HV (high Voltage) fuses from 2.4kV to 40.5kV. Transformer / Motor / Capacitor Protection. Siba HV fuses: Current Limiting - Full Range (True Full Range) - General Purpose - Back-UP. SIBA HV fuses are available with striker pins of force: 80 N & 120 N. All SIBA 80 N striker pin systems are fitted with an integral Temperature Limiter. Accessories: Fuse base In/Out Door, clips and insertion/removal tool.



**Transformer / Motor**  
Din Style R-Rated



**Capacitor Protection**  
HHA American Standard



**Under Oil and Motor**  
HHB British Standard



**For PT and Under Oil**  
SSK Wind-Power/Low Losses



**Full Range Fuses**

## UR - Ultra Rapid® Fuses For Rectifiers, Inverters and Photovoltaic Systems. UL Recognized, UL Listed



**URDC PV Solar Photovoltaic**  
250VDC - 1500VDC



**URZ Cylindrical**  
250VAC - 1000VAC



**URS Square Body**  
500VAC - 2500VAC

Over many decades, SIBA has developed a comprehensive product line of Ultra Rapid® fuses with worldwide acceptance. SIBA's worldwide distribution network provides technical support, and with our R&D Engineering Department, provides design partnerships for the development of new products with the most modern equipment for the design, manufacturing, and testing, to minimize development time.



**URB Size 000 & 00 DIN80**  
600VAC - 1000VAC



**URD ND & D**  
440VAC - 500VAC



**URDC DC Fuses**  
440VDC - 5000VDC



**URE British Standard**  
240VDC - 700VDC



**URL Combination**  
690VAC - 700VAC



**URM German Style Knife Blade**  
690VAC - 2000VAC

DC Sizes: 10x38mm, 14x51mm, 22x58mm, 27x60mm, 20x127mm, 20x190mm, 36x190mm, 40x254mm, NH000 DIN80, SQB-DC0 & 2, SQB-DC2-2 (double), SQB-DC90, 1, & 2, SQB DC92-2 (double body), SQB-DC93, SQB-DC93-2 (double body), NH3, NH4.

**NH-Low Voltage Fuses. European Knife Blade DIN / IEC Standard. Dual Combination Indication. Metal or Insulated Insertion/Removal Tabs**

SIBA LV fuse links incorporate a dual indicator for visual monitoring of blown fuses. Available in a large variety of voltage ratings, body sizes, and operating classes.



### URDC PV Solar Photovoltaic 250 VDC - 1500 VDC



Siba Fuses is the world leader in PV Protection, Combiner & Inverters. 1500 VDC PV.



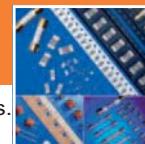
### URS Square Body 500VAC - 2500VAC

SQB Size 1, 2, 3, 4 & Press Packs. UL & IEC. 690-2500VAC. UNC & Metric Thread.



### G - Miniature Fuses

SMD Miniature Cylindrical, KS, Holders & Clips. Pigtail & Panel Mount. UL / IEC / VDE / EC.



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# Solar Fuses and Accessories **Product Overview**

URPV UL 2579  SIBA Fuse DC Accessories Offering		
Article Number	Description	Image
<b>Accessories - Fuse Modules</b>		
5106305.1DC	Fuse Module 10x38mm 1-Pole, 1000V <sub>DC</sub>	No blown fuse indication (30A - 4W)
5106305.1LDC		w/ Neon Lamp Indicator (30A - 4W)
5106305.2DC	Fuse Module 10x38mm 2-Pole, 1000V <sub>DC</sub>	No blown fuse indication (30A - 4W)
5106305.2LDC		w/ Neon Lamp Indicator (30A - 4W)
5105805.1SDC	Fuse Module 14x51mm 1-Pole, 1000V <sub>DC</sub>	w/ Microswitch (50A - 6W)
<b>Accessories - Fuse Base</b>		
2118928	Fuse Base NH00 DIN80, 600V <sub>DC</sub>	For use with microswitch (200A)
2119028	Fuse Base NH00 DIN80, 600V <sub>DC</sub>	With terminal covers (200A)
2155628	Fuse Base NH1, 1000V <sub>DC</sub>	250A
2102828	Fuse Base NH1XL, 1500V <sub>DC</sub>	250A
2155728	Fuse Base NH2, 1000V <sub>DC</sub>	400A
2156828	Fuse Base NH3, 1000V <sub>DC</sub>	600A
2103128	Fuse Base NH3L, 1500V <sub>DC</sub>	600A
5123805	Fuse base 10/14x85mm fuses1500V <sub>DC</sub>	32A
2800201	Microswitch For NH NH00 DIN80 SQB1-3	250Vac/5A 33Vdc/3A, 26Vdc/3A
2800202	Microswitch For NH Combi-Indicator & NH000 DIN80 (Red Hammer) NH000 - 4	250Vac/5A 33Vdc/3A, 26Vdc/3A
<b>Accessories - Fuse Clips</b>		
5806316	10mm, PCB mounting (clips)	
5806319	10mm, PCB mounting (clips)	
5806317	10mm, screw mounting (clips)	
6301701	Clamping plate for 58 063 17	
6301701.3	Terminal link for 58 063 17	
6100101.2	14mm, screw mounting	
6301701	Clamping plate for 60 001 01.2	
<b>Fuse Clips</b>		
5805806	14mm, PCB mounting	
<b>Grip Handle - Fuse Insertion-Removal Tool</b>		
2200102	NH00 -3, 690V <sub>AC</sub>	Standard
2200105		w/Leather Sleeve
2203101	NH3, 1600V <sub>AC</sub>	Standard
2203102	NH3, 1600V <sub>AC</sub>	w/Leather Sleeve
2212001	NH4a & NH4, 690V <sub>AC</sub>	Handle only

**Higher voltages and currents are available, consult with SIBA for more information.**



## Solar Fuses

# Product Overview

URPV UL 2579			SIBA PV Fuse Offering	
Article Number	Description		Image	
600V <sub>DC</sub> (35A - 160A)				
2018928	NH00, DIN 80	No blown fuse indication		
2018929		With blown fuse indication		
2041229		With fitting for microswitch		
1000V <sub>DC</sub>				
5021528	10x38mm	No blown fuse indication (1A - 22.4A)		
5021628	10x38mm - PCB Mount			
5021728	10x38mm - 50.6mm mounting centers			
5021828	10x38mm - For cable connection			
5021406	14x51mm (ground fault)	With blown fuse indication (1A - 5A)		
2055629	NH1	With blown fuse indication (50A - 200A)		
2055729	NH2	With blown fuse indication (200A - 250A)		
2056829	NH3	With blown fuse indication (200A - 400A)		
2054527	SQB-DC102	With blown fuse indication (200A - 400A)		
2054427	SQB-DC101	With blown fuse indication (70A - 300A)		
1100V <sub>DC</sub>				
5023528	14x65mm	(8A - 25A)		
5023728	14x65mm - 77.5mm mounting centers			
5023828	10/14x85mm clip mounting			
5023928	14x65mm for cable connection			
2001927	SQB1-M8	With fitting for microswitch (35A - 200A)		
2001928		No blown fuse indication (35A - 200A)		
2002828	NH1XL	No blown fuse indication (35A - 200A)		
2002829		With fitting for microswitch (35A - 200A)		
2003128	NH3L	No blown fuse indication (200A - 400A)		
2003129		With fitting for microswitch (200A - 400A)		
2003428	SQB2 - US Short	No blown fuse indication (200A - 450A)		
2003429		With fitting for microswitch (200A - 450A)		
1500V <sub>DC</sub>				
5024028	14x65mm	(10A - 30A)		
5024228	14x65mm-80mm			
5024328	10/14x85mm clip mounting			
5011528	10.3mm x 85mm	(1A - 16A)		
2004128	SQB1 (Knife)	No blown fuse indication (50A - 200A)		
2004129		With blown fuse indication (50A - 200A)		
2004528	SQB1 (Bolted)	No blown fuse indication (50A - 200A)		
2024328	NH3L	No blown fuse indication (200A - 500A)		
2024329		With blown fuse indication (200A - 500A)		
2024728	SQB3-Bolted	No blown fuse indication (200A - 500A)		
2024727		With blown fuse indication (200A - 500A)		
2024528	SQB3-DIN	No blown fuse indication (200A - 500A)		
2024529		With blown fuse indication (200A - 500A)		

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## Energy Storage Fuses

# Product Overview

SIBA Energy Storage (ES) Fuse Offering			
Article	Number	Description	Image
240 V <sub>DC</sub> Breaking capacity 100kA			
2028204	NH000-NH00	6A-16A	
450V <sub>DC</sub> Breaking capacity 30kA			
5012434	14mmx51mm	6A-40A	
5014034	22mmx58mm	6A-100A	
500V <sub>DC</sub> Breaking capacity 32kA			
2021x34	NH1-NH3	40A-630A	
800V <sub>DC</sub> Breaking capacity 30kA			
2055634	NH1	100A	
Contact Siba	NH1-NH3	40A-630A	
900V <sub>DC</sub> Breaking capacity 226kA (L/R=2.7ms)			
2054534	SQB1-DC-082	63A - 350A	
207xx 32	SQB1-3	50A - 800A	
1000V <sub>DC</sub> Breaking capacity 200kA			
5020406	14mmx51mm	20A - 25A	
5019610	27mmx60mm	20A-170A	
9008010	20mmx127mm	1-63A	
2055629	NH1	50A-200A	
2055729	NH2	200A-250A	
2056829	NH3	315A-400A	
2057529	SQB3- M12	315A-400A	
9028026	SQB3-70 With center indicator M12	400A - 900A	
9028125	SQB3-70 Without indicator US Balde		
9028126	SQB3-70 With center inidicator US blade		
9029025	SQB4 2x M12 without indicator	1000A - 2000A	
9029026	SQB4 2x M12 with center indicator		
9029125	SQB4 4x M10 without indicator		
9029126	SQB4 4x M10 with center indicator		
1100V <sub>DC</sub> Breaking capacity 200kA			
2003134	NH1XL-NH3L	(40A-400A) 30kA@1000V (L/R = 10ms)	
2003134	NH1XL-NH3L	(40A-400A) 30kA@1100V (L/R = 1-3ms)	
1200V <sub>DC</sub> Breaking capacity 200kA			
2002820	NH1XL with Flap Indicator	50A - 200A 1200VDC (L/R = 1ms)	
2002821	NH1XL without Indicator		
9038025	SQB3	1000A-2000A	
9039025	SQB4 2x M12 without indicator	1000A - 2000A	
9039026	SQB4 2x M12 with center indicator		
1500V <sub>DC</sub>			
Contact Siba	10/14x84mm	10A-30A	
Contact Siba	NH1XL-NH3L	100A-400A	

**Higher voltages and currents are available, consult with SIBA for more information.**