LV HRC fuse links

Overview

LV HRC fuse systems (NH type) are used for installation systems in non-residential, commercial and industrial buildings as well as in switchboard assemblies of power utilities. They therefore protect essential building parts and systems.

LV HRC fuse systems (NH type) are fuse systems designed for operation by experts. There are no constructional requirements for non-interchangeability of rated current and touch protection.

The components and auxiliary equipment are designed in such a way as to ensure the safe replacement of LV HRC fuse systems or isolation of systems.

LV HRC fuse links are available in the sizes 000, 00, 0, 1, 2, 3, 4 and 4a.

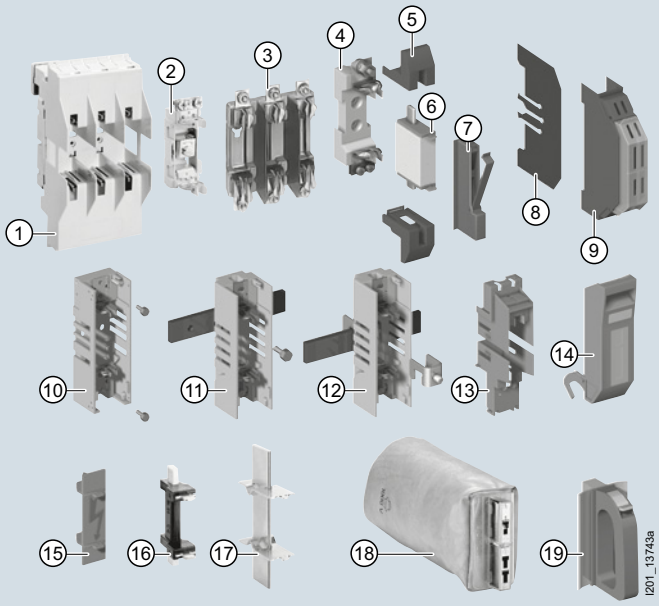
LV HRC fuse links are available in the following operational classes:

- gG for cable and line protection
- aM for short-circuit protection of switching devices in motor circuits
- gR or aR for protection of power semiconductors
- gS: The new gS operational class combines cable and line protection with semiconductor protection

LV HRC fuse links of size 000 can also be used in LV HRC fuse bases, LV HRC fuse switch disconnectors, LV HRC fuse strips as well as LV HRC in-line fuse switch disconnectors of size 00.

The fuse links 300 A, 355 A and 425 A comply with the standard but do not have the VDE mark.

LV HRC components:

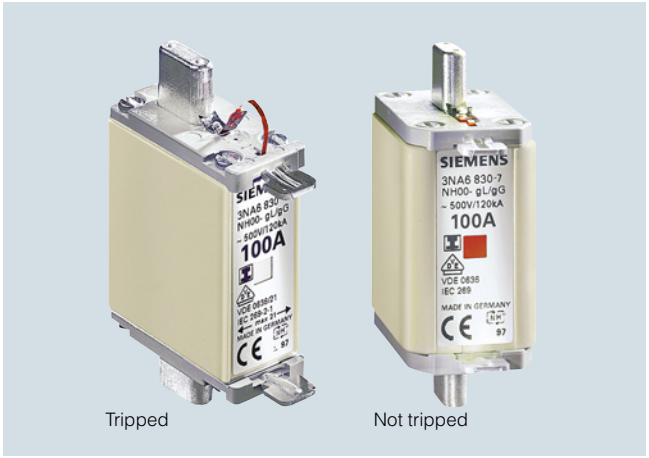


1. LV HRC fuse base from the SR60 busbar system
2. LV HRC fuse base for busbar mounting
3. LV HRC fuse base, 3-pole
4. LV HRC fuse base, 1-pole
5. LV HRC contact covers
6. LV HRC fuse link
7. LV HRC signal detector
8. LV HRC partition
9. LV HRC protective cover

LV HRC fuse bases with swivel mechanisms,

10. - for screw fixing on mounting plate
11. - for screw fixing on busbar system
12. - for claw fixing on busbar
13. LV HRC protective cover for LV HRC fuse bases with swivel mechanism
14. LV HRC swivel mechanism
15. LV HRC fuse base cover
16. LV HRC isolating blade with insulated grip lugs
17. LV HRC isolating blade with non-insulated grip lugs
18. LV HRC fuse puller with sleeve
19. LV HRC fuse puller

Benefits



- LV HRC fuse links with combination alarm signal the tripping of a fuse by a clear color change from red to white. This enables fast identification and replacement of the tripped fuse links. This increases system availability
- The insulated grip lugs made of metal are integrated in the top and bottom covers of the fuse link in molded plastic and provide greater safety during replacement. The mark shown below indicates that the grip lugs are insulated

- In the standard series with front indicator, the front-mounted red indicator signals the tripping of a fuse
- LV HRC fuse links are always equipped with silver-plated contact pins. This means that they are non-corroding and have less contact resistance. This ensures the long-term operational safety of the plant

Technical specifications

		LV HRC fuse links					
		Operational class gG					Operational class aM
		3NA6...-4 3NA6...-4KK 3NA383.-8	3NA6... 3NA6...-7 3NA7... 3NA7...-7	3NA3... 3NA3...-7	3NA6...-6 3NA7...-6	3NA3...-6	3ND1 3ND2
Standards **Approvals**		IEC 60269-1, -2; EN 60269-1; DIN VDE 0636 DIN VDE 0636-2; CSA 22.2 No.106, File Number 016325_0_00 (CSA approval of fuses 500 V for 600 V)					
Rated voltage U_n							
• Sizes 000 and 00	V AC V DC	400 --	500 250	500 250	690[1] 250	690[1] 250	500 --
• Sizesn 1 and 2	V AC V DC	400 --	500 440	500 440	690[1] 440	690[1] 440	690 --
• Size 3	V AC V DC	-- --	-- --	500 440	-- --	690[1] 440	690 --
• Sizes 4 and 4a (IEC design)	V AC V DC	-- --	-- --	500 440	-- --	-- --	-- --
Rated current I_n	A	10 ... 400	2 ... 400	2 ... 1250	2 ... 315	2 ... 500	6 ... 630
Rated breaking capacity	kA AC	120					
	kA DC	--	25				--
Contact pins		Non-corroding, silver-plated					
Resistance to climate	°C	-20 ... +50 at 95 % relative humidity					

[1] Manufacturer's confirmation for 690 V +10 % rated voltage available on request.

	Size	Mounting width	I_n	U_n	DT	Non-insulated grip lugs Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
		mm	A	V AC/V DC							kg
	LV HRC fuse links with front indicator, operational class gG										
	2	47.2	35	500/440		3NA3214		1	3 units	017	0.462
			50			3NA3220		1	3 units	017	0.462
			63			3NA3222		1	3 units	017	0.465
			80			3NA3224		1	3 units	017	0.462
			100			3NA3230		1	3 units	017	0.464
			125			3NA3232		1	3 units	017	0.462
			160		▶	3NA3236		1	3 units	017	0.465
			200		▶	3NA3240		1	3 units	017	0.465
			224		▶	3NA3242		1	3 units	017	0.460
			250		▶	3NA3244		1	3 units	017	0.467
		57.8	300			3NA3250		1	3 units	017	0.655
			315		▶	3NA3252		1	3 units	017	0.662
			355		▶	3NA3254		1	3 units	017	0.665
			400		▶	3NA3260		1	3 units	017	0.661
	3	57.8	200	500/440		3NA3340		1	3 units	017	0.654
			224			3NA3342		1	3 units	017	0.651
			250			3NA3344		1	3 units	017	0.656
			300			3NA3350		1	3 units	017	0.657
			315		▶	3NA3352		1	3 units	017	0.657
			355			3NA3354		1	3 units	017	0.658
			400		▶	3NA3360		1	3 units	017	0.660
		71.2	425			3NA3362		1	3 units	017	0.941
			500		▶	3NA3365		1	3 units	017	0.944
			630		▶	3NA3372		1	3 units	017	0.939
	Can only be used for 3NH3530 LV HRC fuse base										
	4 (IEC design)	101.8	630	500/440		3NA3472		1	1 unit	017	2.546
			800			3NA3475		1	1 unit	017	2.535
			1000			3NA3480		1	1 unit	017	2.566
			1250			3NA3482		1	1 unit	017	2.577
	Only for LV HRC base 3NH7520 or usable for fuse switch disconnectors with in-line design 3NJ5643-0BB00										
	4a	101.8	500	500/440		3NA3665		1	1 unit	017	2.604
			630			3NA3672		1	1 unit	017	2.674
			800			3NA3675		1	1 unit	017	2.661
			1000			3NA3680		1	1 unit	017	2.646
			1250			3NA3682		1	1 unit	017	2.659

* You can order this quantity or a multiple thereof.