LV HRC fuse links

Overview

LV HRC fuses are used for installation systems in non-residential, commercial and industrial buildings as well as in switchboards of power supply companies. They therefore protect essential building parts and installations.

LV HRC fuses are fuse systems designed for operation by scilled personnel. 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 fuses or isolation of systems.

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

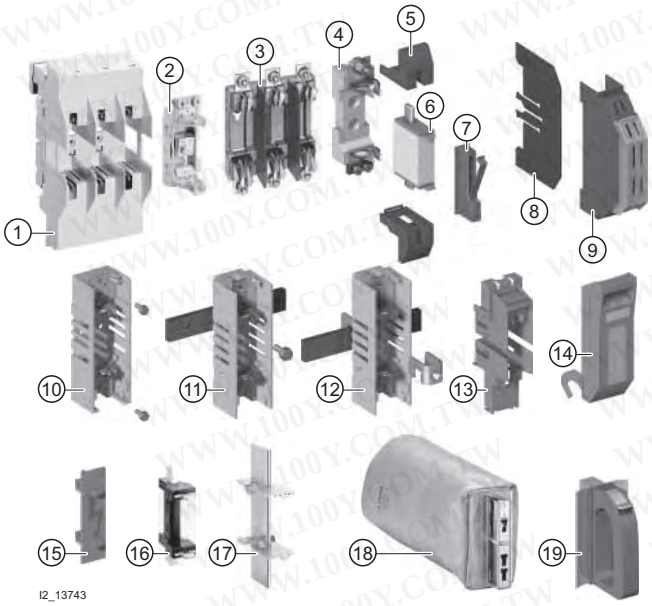
LV HRC fuse links are available in the following operational classes:

- gG for cable and line protection
- aM for the short-circuit protection of switching devices in motor circuits
- gR or aR for the 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 in LV HRC in-line fuse switch disconnectors of size 00.

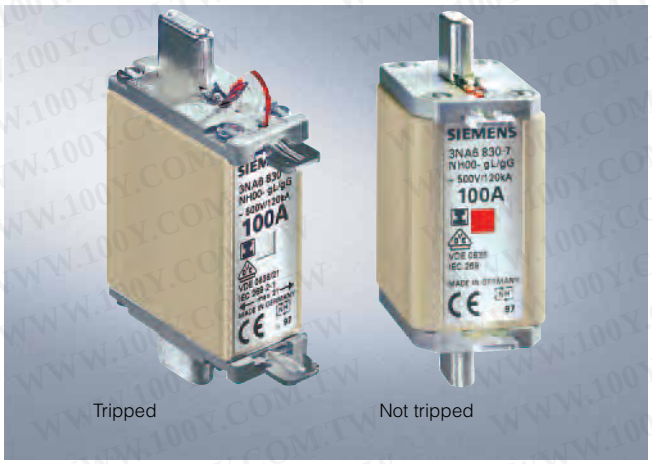
The fuse links 300 A, 355 A and 425 A comply with the standard but do not have the VDE mark.

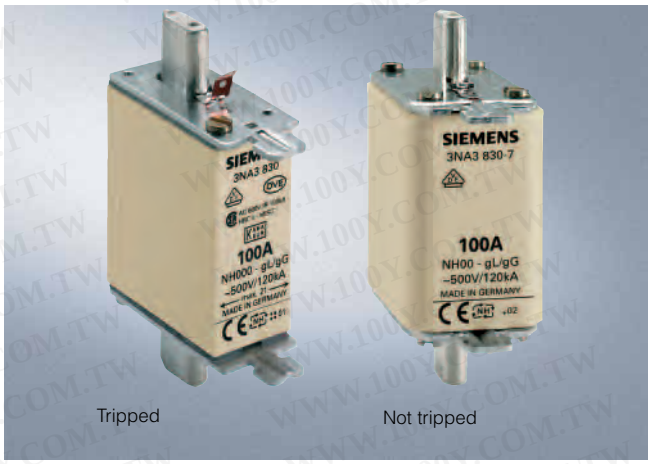
LV HRC components



① LV HRC fuse base from the SR60 busbar system
② LV HRC fuse base for busbar mounting
③ LV HRC fuse base, 3P
④ LV HRC fuse base, 1P
⑤ LV HRC contact covers
⑥ LV HRC fuse link
⑦ LV HRC signal detectors
⑧ LV HRC partition
⑨ LV HRC protective cover
LV HRC fuse bases with slewing equipment,
⑩ - for screw fixing on mounting plate
⑪ - for screw fixing on busbar system
⑫ - for claw fixing on busbar
⑪⑬ LV HRC protective cover for LV HRC fuse bases with slewing equipment
⑭ LV HRC slewing equipment
⑮ LV HRC fuse base cover
⑯ LV HRC isolating link with insulated grip lugs
⑰ LV HRC isolating link 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 plant 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 replacment. 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 blades. 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 3NY1 8..	3NA6 ...-7 3NA7 ...-7	3NA6 ...-6 3NA7 ...-6	3NA3 ...-7	3NA3 ...-6	3ND1 3ND2
Standards **Approved** acc. to		IEC 60269-1, -2; EN 60269-1; DIN VDE 0636 DIN VDE 0636-2; CSA 22.2 No.106, File No. 1710842					
Rated voltage U_n							
• Sizes 000 and 00	V AC	400	500	690	500	690	500
	V DC	--	250	250	250	250	--
• Sizes 1 and 2	V AC	400	500	690	500	690	690
	V DC	--	440	440	440	440	--
• Size 3	V AC				500	690	690
	V DC				440	--	
• Sizes (IEC design)	V AC				500	--	
4 and 4a	V DC				400	--	
Rated current I_n	A	10 ... 400	2 ... 400	2 ... 315	2 ... 1250	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					

LV HRC fuse links

Selection and ordering data

	Sizes	Mounting width	I_n	U_n	DT	Insulated grip lugs Order No.	Price per PU	PG	PU	PS*/ P. unit	Weight per P. unit approx
		mm	A	V AC/ V DC					Unit(s)	Unit(s)	kg
	LV HRC fuse links with combination alarm, operational class gG										
	000	21	10	400/--	B	**3NA6 803-4**		013	1	3	0.135
			16		B	**3NA6 805-4**		013	1	3	0.135
			20		B	**3NA6 807-4**		013	1	3	0.135
			25		B	**3NA6 810-4**		013	1	3	0.135
			32		B	**3NA6 812-4**		013	1	3	0.135
			35		B	**3NA6 814-4**		013	1	3	0.135
			40		B	**3NA6 817-4**		013	1	3	0.135
			50		B	**3NA6 820-4**		013	1	3	0.135
			63		B	**3NA6 822-4**		013	1	3	0.135
			80		B	**3NA6 824-4**		013	1	3	0.135
			100		B	**3NA6 830-4**		013	1	3	0.135
	00	30	80	400/--	B	**3NA6 824-4KK**		013	1	3	0.200
			100		B	**3NA6 830-4KK**		013	1	3	0.200
			125		B	**3NA6 832-4**		013	1	3	0.200
			160		B	**3NA6 836-4**		013	1	3	0.200
	1	30	35	400/--	B	**3NA6 114-4**		013	1	3	0.290
			40		B	**3NA6 117-4**		013	1	3	0.290
			50		B	**3NA6 120-4**		013	1	3	0.290
			63		B	**3NA6 122-4**		013	1	3	0.290
			80		B	**3NA6 124-4**		013	1	3	0.290
			100		B	**3NA6 130-4**		013	1	3	0.290
			125		B	**3NA6 132-4**		013	1	3	0.290
			160		B	**3NA6 136-4**		013	1	3	0.290
		47.2	200		B	**3NA6 140-4**		013	1	3	0.430
			224		B	**3NA6 142-4**		013	1	3	0.430
			250		B	**3NA6 144-4**		013	1	3	0.430
	2	47.2	50	400/--	B	**3NA6 220-4**		013	1	3	0.450
			63		B	**3NA6 222-4**		013	1	3	0.450
			80		B	**3NA6 224-4**		013	1	3	0.450
			100		B	**3NA6 230-4**		013	1	3	0.450
			125		B	**3NA6 232-4**		013	1	3	0.450
			160		B	**3NA6 236-4**		013	1	3	0.450
			200		B	**3NA6 240-4**		013	1	3	0.450
			224		B	**3NA6 242-4**		013	1	3	0.450
			250		B	**3NA6 244-4**		013	1	3	0.450
		57.8	300		B	**3NA6 250-4**		013	1	3	0.650
			315		B	**3NA6 252-4**		013	1	3	0.650
			355		B	**3NA6 254-4**		013	1	3	0.650
			400		B	**3NA6 260-4**		013	1	3	0.650

*** You can order this quantity or a multiple thereof.**

	Size	Mounting width	I_n	U_n	DT	Non-insulated grip lugs Order No.	Price per PU	PG	DT	Insulated grip lugs Order No.	Price per PU	PG	PU	PS*/ P. unit	Weight per P. unit approx
			A	V AC/ V DC									Unit(s)	Unit(s)	kg
	LV HRC fuse links with combination alarm, operational class gG														
	000	21	2	500/	B	**3NA7 802**		013	B	**3NA6 802**		013	1	3	0.135
			4	250	B	**3NA7 804**		013	B	**3NA6 804**		013	1	3	0.135
			6		B	**3NA7 801**		013	B	**3NA6 801**		013	1	3	0.135
			10		B	**3NA7 803**		013	B	**3NA6 803**		013	1	3	0.136
			16		▶	**3NA7 805**		013	▶	**3NA6 805**		013	1	3	0.136
			20		▶	**3NA7 807**		013	▶	**3NA6 807**		013	1	3	0.136
			25		▶	**3NA7 810**		013	▶	**3NA6 810**		013	1	3	0.600
			32		B	**3NA7 812**		013	B	**3NA6 812**		013	1	3	0.136
			35		▶	**3NA7 814**		013	▶	**3NA6 814**		013	1	3	0.440
			40		B	**3NA7 817**		013	B	**3NA6 817**		013	1	3	0.136
			50		▶	**3NA7 820**		013	▶	**3NA6 820**		013	1	3	0.128
			63		▶	**3NA7 822**		013	▶	**3NA6 822**		013	1	3	0.120
			80		▶	**3NA7 824**		013	▶	**3NA6 824**		013	1	3	0.128
			100		▶	**3NA7 830**		013	▶	**3NA6 830**		013	1	3	0.120
	00	30	80	500/	B	**3NA7 824-7**		013	B	**3NA6 824-7**		013	1	3	0.211
			100	250	B	**3NA7 830-7**		013	B	**3NA6 830-7**		013	1	3	0.211
			125		▶	**3NA7 832**		013	▶	**3NA6 832**		013	1	3	0.200
			160		▶	**3NA7 836**		013	A	**3NA6 836**		013	1	3	0.200
	1	30	16	500/	B	**3NA7 105**		013	B	**3NA6 105**		013	1	3	0.290
			20	440	B	**3NA7 107**		013	B	**3NA6 107**		013	1	3	0.290
			25		B	**3NA7 110**		013	B	**3NA6 110**		013	1	3	0.290
			35		B	**3NA7 114**		013	B	**3NA6 114**		013	1	3	0.290
			40		B	**3NA7 117**		013	B	**3NA6 117**		013	1	3	0.290
			50		B	**3NA7 120**		013	B	**3NA6 120**		013	1	3	0.290
			63		B	**3NA7 122**		013	B	**3NA6 122**		013	1	3	0.290
			80		B	**3NA7 124**		013	▶	**3NA6 124**		013	1	3	0.290
			100		B	**3NA7 130**		013	▶	**3NA6 130**		013	1	3	0.290
			125		▶	**3NA7 132**		013	▶	**3NA6 132**		013	1	3	0.290
			160		▶	**3NA7 136**		013	▶	**3NA6 136**		013	1	3	0.290
		47.2	200		▶	**3NA7 140**		013	▶	**3NA6 140**		013	1	3	0.440
			224		B	**3NA7 142**		013	B	**3NA6 142**		013	1	3	0.440
			250		▶	**3NA7 144**		013	▶	**3NA6 144**		013	1	3	0.400
	2	47.2	35	500/	B	**3NA7 214**		013	B	**3NA6 214**		013	1	3	0.450
			50	440	B	**3NA7 220**		013	B	**3NA6 220**		013	1	3	0.450
			63		B	**3NA7 222**		013	B	**3NA6 222**		013	1	3	0.450
			80		B	**3NA7 224**		013	B	**3NA6 224**		013	1	3	0.450
			100		B	**3NA7 230**		013	B	**3NA6 230**		013	1	3	0.450
			125		B	**3NA7 232**		013	B	**3NA6 232**		013	1	3	0.450
			160		▶	**3NA7 236**		013	▶	**3NA6 236**		013	1	3	0.450
			200		▶	**3NA7 240**		013	▶	**3NA6 240**		013	1	3	0.450
			224		B	**3NA7 242**		013	B	**3NA6 242**		013	1	3	0.450
			250		▶	**3NA7 244**		013	▶	**3NA6 244**		013	1	3	0.450
		57.8	300			–			B	**3NA6 250**		013	1	3	0.641
			315		▶	**3NA7 252**		013	▶	**3NA6 252**		013	1	3	0.660
			355			–			B	**3NA6 254**		013	1	3	0.641
			400		▶	**3NA7 260**		013	▶	**3NA6 260**		013	1	3	0.660

*** You can order this quantity or a multiple thereof.**

LV HRC fuse links

	Size	Mounting width	I_n	U_n	DT	Non-insulated grip lugs Order No.	Price per PU	PG	DT	Insulated grip lugs Order No.	Price per PU	PG	PU	PS*/ P. unit	Weight per P. unit approx
			A	V AC/ V DC									Unit(s)	Unit(s)	kg
	LV HRC fuse links with combination alarm, operational class gG														
	000	21	2	690/ 250	B	**3NA7 802-6**		013	B	**3NA6 802-6**		013	1	3	0.136
			4		B	**3NA7 804-6**		013	B	**3NA6 804-6**		013	1	3	0.136
			6		B	**3NA7 801-6**		013	B	**3NA6 801-6**		013	1	3	0.136
			10		B	**3NA7 803-6**		013	B	**3NA6 803-6**		013	1	3	0.136
			16		B	**3NA7 805-6**		013	B	**3NA6 805-6**		013	1	3	0.136
			20		B	**3NA7 807-6**		013	B	**3NA6 807-6**		013	1	3	0.136
			25		B	**3NA7 810-6**		013	B	**3NA6 810-6**		013	1	3	0.136
			32		B	**3NA7 812-6**		013	B	**3NA6 812-6**		013	1	3	0.136
			35		B	**3NA7 814-6**		013	B	**3NA6 814-6**		013	1	3	0.136
	00	30	40	690/ 250	B	**3NA7 817-6**		013	B	**3NA6 817-6**		013	1	3	0.211
			50		B	**3NA7 820-6**		013	B	**3NA6 820-6**		013	1	3	0.211
			63		B	**3NA7 822-6**		013	B	**3NA6 822-6**		013	1	3	0.211
			80		B	**3NA7 824-6**		013	B	**3NA6 824-6**		013	1	3	0.211
			100		B	**3NA7 830-6**		013	B	**3NA6 830-6**		013	1	3	0.211
	1	30	50	690/ 440	B	**3NA7 120-6**		013	B	**3NA6 120-6**		013	1	3	0.290
			63		B	**3NA7 122-6**		013	B	**3NA6 122-6**		013	1	3	0.290
			80		B	**3NA7 124-6**		013	B	**3NA6 124-6**		013	1	3	0.290
			100		B	**3NA7 130-6**		013	B	**3NA6 130-6**		013	1	3	0.290
			125		B	**3NA7 132-6**		013	B	**3NA6 132-6**		013	1	3	0.290
			160		B	**3NA7 136-6**		013	B	**3NA6 136-6**		013	1	3	0.290
		47.2	200		B	**3NA7 140-6**		013	B	**3NA6 140-6**		013	1	3	0.440
	2	47.2	80	690/ 440	B	**3NA7 224-6**		013	B	**3NA6 224-6**		013	1	3	0.450
			100		B	**3NA7 230-6**		013	B	**3NA6 230-6**		013	1	3	0.450
			125		B	**3NA7 232-6**		013	B	**3NA6 232-6**		013	1	3	0.450
			160		B	**3NA7 236-6**		013	B	**3NA6 236-6**		013	1	3	0.450
			200		B	**3NA7 240-6**		013	B	**3NA6 240-6**		013	1	3	0.450
		57.8	224		B	**3NA7 242-6**		013	B	**3NA6 242-6**		013	1	3	0.660
			250		B	**3NA7 244-6**		013	B	**3NA6 244-6**		013	1	3	0.660
			300		B	**3NA7 250-6**		013	B	**3NA6 250-6**		013	1	3	0.660
			315		B	**3NA7 252-6**		013	B	**3NA6 252-6**		013	1	3	0.660

*** You can order this quantity or a multiple thereof.**

	Sizes	Mounting width	I_n	U_n	DT	Non-insulated grip lugs Order No.	Price per PU	PG	PU	PS*/ P. unit	Weight per P. unit approx
		mm	A	V AC/ V DC					Unit(s)	Unit(s)	kg
	LV HRC fuse links with front indicator, operational class gG										
	000	21	2	500/250	▶	**3NA3 802**		013	1	3	0.133
			4		▶	**3NA3 804**		013	1	3	0.133
			6		▶	**3NA3 801**		013	1	3	0.133
			10		▶	**3NA3 803**		013	1	3	0.133
			16		▶	**3NA3 805**		013	1	3	0.133
			20		▶	**3NA3 807**		013	1	3	0.133
			25		▶	**3NA3 810**		013	1	3	0.133
			32		▶	**3NA3 812**		013	1	3	0.133
			35		▶	**3NA3 814**		013	1	3/90	0.133
			40		▶	**3NA3 817**		013	1	3	0.133
			50		▶	**3NA3 820**		013	1	3/90	0.133
			63		▶	**3NA3 822**		013	1	3/90	0.133
			80		▶	**3NA3 824**		013	1	3/90	0.133
			100		▶	**3NA3 830**		013	1	3/90	0.133
			125	400/--	A	**3NY1 822**		013	1	3	0.130
			160		B	**3NY1 824**		013	1	3	0.129
	00	30	35	500/250	B	**3NA3 814-7**		013	1	3	0.200
			50		B	**3NA3 820-7**		013	1	3	0.200
			63		B	**3NA3 822-7**		013	1	3	0.200
			80		B	**3NA3 824-7**		013	1	3	0.200
			100		B	**3NA3 830-7**		013	1	3	0.200
			125		▶	**3NA3 832**		013	1	3	0.217
			160		▶	**3NA3 836**		013	1	3	0.217
	0	30	6	500/440	B	**3NA3 001**		013	1	3	0.340
			10		B	**3NA3 003**		013	1	3	0.340
			16		B	**3NA3 005**		013	1	3	0.340
			20		B	**3NA3 007**		013	1	3	0.340
			25		B	**3NA3 010**		013	1	3	0.340
			32		B	**3NA3 012**		013	1	3	0.340
			35		B	**3NA3 014**		013	1	3	0.340
			40		B	**3NA3 017**		013	1	3	0.340
			50		B	**3NA3 020**		013	1	3	0.340
			63		A	**3NA3 022**		013	1	3	0.340
			80		B	**3NA3 024**		013	1	3	0.340
			100		A	**3NA3 030**		013	1	3	0.340
			125		A	**3NA3 032**		013	1	3	0.340
			160		A	**3NA3 036**		013	1	3	0.340
	1	30	16	500/440	B	**3NA3 105**		013	1	3	0.290
			20		B	**3NA3 107**		013	1	3	0.290
			25		B	**3NA3 110**		013	1	3	0.290
			35		B	**3NA3 114**		013	1	3	0.300
			40		B	**3NA3 117**		013	1	3	0.300
			50		B	**3NA3 120**		013	1	3	0.300
			63		▶	**3NA3 122**		013	1	3	0.300
			80		▶	**3NA3 124**		013	1	3	0.300
			100		▶	**3NA3 130**		013	1	3	0.300
			125		▶	**3NA3 132**		013	1	3	0.300
			160		▶	**3NA3 136**		013	1	3	0.300
		47.2	200		▶	**3NA3 140**		013	1	3	0.440
			224		A	**3NA3 142**		013	1	3	0.440
			250		▶	**3NA3 144**		013	1	3	0.440

*** You can order this quantity or a multiple thereof.**

LV HRC fuse links

	Sizes	Mounting width	I_n	U_n	DT	Non-insulated grip lugs Order No.	Price per PU	PG	PU	PS*/ P. unit	Weight per P. unit approx
		mm	A	V AC/ V DC					Unit(s)	Unit(s)	kg
	2	47.2	35	500/440	B	**3NA3 214**		013	1	3	0.453
			50		B	**3NA3 220**		013	1	3	0.453
			63		A	**3NA3 222**		013	1	3	0.453
			80		A	**3NA3 224**		013	1	3	0.453
			100		A	**3NA3 230**		013	1	3	0.453
			125		A	**3NA3 232**		013	1	3	0.453
			160		▶	**3NA3 236**		013	1	3	0.453
			200		▶	**3NA3 240**		013	1	3	0.453
			224		▶	**3NA3 242**		013	1	3	0.453
			250		▶	**3NA3 244**		013	1	3	0.453
		57.8	300		A	**3NA3 250**		013	1	3	0.647
			315		▶	**3NA3 252**		013	1	3	0.647
			355		▶	**3NA3 254**		013	1	3	0.647
			400		▶	**3NA3 260**		013	1	3	0.647
	3	57.8	200	500/440	B	**3NA3 340**		013	1	3	0.647
			224		B	**3NA3 342**		013	1	3	0.640
			250		A	**3NA3 344**		013	1	3	0.647
			300		B	**3NA3 350**		013	1	3	0.647
			315		▶	**3NA3 352**		013	1	3	0.647
			355		A	**3NA3 354**		013	1	3	0.647
			400		▶	**3NA3 360**		013	1	3	0.647
		71.2	425		A	**3NA3 362**		013	1	3	1.000
			500		▶	**3NA3 365**		013	1	3	1.000
			630		▶	**3NA3 372**		013	1	3	1.000
	Can only be used for 3NH3 530 LV HRC fuse base										
	4 (IEC design)	101.8	630	500/440	B	**3NA3 472**		013	1	1	2.500
			800		A	**3NA3 475**		013	1	1	2.500
			1000		A	**3NA3 480**		013	1	1	2.500
			1250		A	**3NA3 482**		013	1	1	2.500
	Can only be used for 3NH7 520 LV HRC fuse base										
	4a	101.8	500	500/440	B	**3NA3 665**		013	1	1	2.700
			630		B	**3NA3 672**		013	1	1	2.700
			800		A	**3NA3 675**		013	1	1	2.700
			1000		A	**3NA3 680**		013	1	1	2.840
			1250		A	**3NA3 682**		013	1	1	2.840

*** You can order this quantity or a multiple thereof.**

	Sizes	Mounting width	I_n	U_n	DT	Non-insulated grip lugs Order No.	Price per PU	PG	PU	PS*/ P. unit	Weight per P. unit approx
		mm	A	V AC/ V DC					Unit(s)	Unit(s)	kg
	000	21	2	690/250	►	**3NA3 802-6**		013	1	3	0.135
			4		►	**3NA3 804-6**		013	1	3	0.135
			6		►	**3NA3 801-6**		013	1	3	0.135
			10		►	**3NA3 803-6**		013	1	3	0.135
			16		►	**3NA3 805-6**		013	1	3	0.135
			20		►	**3NA3 807-6**		013	1	3	0.135
			25		►	**3NA3 810-6**		013	1	3	0.135
			32		B	**3NA3 812-6**		013	1	3	0.135
			35		►	**3NA3 814-6**		013	1	3	0.135
	00	30	40	690/250	B	**3NA3 817-6**		013	1	3	0.200
			50		►	**3NA3 820-6**		013	1	3	0.200
			63		►	**3NA3 822-6**		013	1	3	0.200
			80		►	**3NA3 824-6**		013	1	3	0.200
			100		►	**3NA3 830-6**		013	1	3	0.200
	1	30	50	690/440	B	**3NA3 120-6**		013	1	3	0.290
			63		B	**3NA3 122-6**		013	1	3	0.290
			80		B	**3NA3 124-6**		013	1	3	0.290
			100		►	**3NA3 130-6**		013	1	3	0.290
			125		►	**3NA3 132-6**		013	1	3	0.290
			160		►	**3NA3 136-6**		013	1	3	0.290
		47.2	200		►	**3NA3 140-6**		013	1	3	0.426
	2	47.2	80	690/440	B	**3NA3 224-6**		013	1	3	0.426
			100		B	**3NA3 230-6**		013	1	3	0.426
			125		B	**3NA3 232-6**		013	1	3	0.426
			160		►	**3NA3 236-6**		013	1	3	0.426
			200		►	**3NA3 240-6**		013	1	3	0.426
		57.8	224		B	**3NA3 242-6**		013	1	3	0.660
			250		►	**3NA3 244-6**		013	1	3	0.680
			300		B	**3NA3 250-6**		013	1	3	0.660
			315		►	**3NA3 252-6**		013	1	3	0.680
	3	57.8	250	690/440	B	**3NA3 344-6**		013	1	3	0.660
			315		B	**3NA3 352-6**		013	1	3	0.660
		71.2	355		B	**3NA3 354-6**		013	1	3	1.000
			400		►	**3NA3 360-6**		013	1	3	1.000
			425		B	**3NA3 362-6**		013	1	3	1.000
			500		►	**3NA3 365-6**		013	1	3	1.000

*** You can order this quantity or a multiple thereof.**

LV HRC fuse links

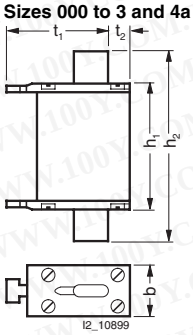
	Sizes	Mounting width	I_n	U_n	DT	Non-insulated grip lugs Order No.	Price per PU	PG	PU	PS*/ P. unit	Weight per P. unit approx
		mm	A	V AC/ V DC					Unit(s)	Unit(s)	kg
	LV HRC fuse links with front indicator, operational class aM										
	000	21	6	500/--	B	**3ND1 801**		014	1	3	0.130
			10		B	**3ND1 803**		014	1	3	0.130
			16		B	**3ND1 805**		014	1	3	0.130
			20		B	**3ND1 807**		014	1	3	0.130
			25		B	**3ND1 810**		014	1	3	0.130
			32		B	**3ND1 812**		014	1	3	0.130
			35		B	**3ND1 814**		014	1	3	0.130
			40		B	**3ND1 817**		014	1	3	0.130
			50		B	**3ND1 820**		014	1	3	0.130
			63		B	**3ND1 822**		014	1	3	0.130
			80		B	**3ND1 824**		014	1	3	0.130
	00	30	100	500/--	B	**3ND1 830**		014	1	3	0.192
			125		B	**3ND1 832**		014	1	3	0.192
			160		B	**3ND1 836**		014	1	3	0.192
	1	30	63	690/--	B	**3ND2 122**		014	1	3	0.290
			80		B	**3ND2 124**		014	1	3	0.290
			100		B	**3ND2 130**		014	1	3	0.440
		47.2	125		B	**3ND2 132**		014	1	3	0.440
			160		B	**3ND2 136**		014	1	3	0.440
			200		B	**3ND2 140**		014	1	3	0.440
			250		B	**3ND2 144**		014	1	3	0.440
	2	47.2	125	690/--	B	**3ND2 232**		014	1	3	0.440
			160		B	**3ND2 236**		014	1	3	0.440
			200		B	**3ND2 240**		014	1	3	0.440
			250		B	**3ND2 244**		014	1	3	0.440
		57.8	315		B	**3ND2 252**		014	1	3	0.650
			355		B	**3ND2 254**		014	1	3	0.650
			400		A	**3ND2 260**		014	1	3	0.650
	3	57.8	315	690/--	B	**3ND2 352**		014	1	3	0.650
			355		B	**3ND2 354**		014	1	3	0.650
			400		B	**3ND2 360**		014	1	3	0.650
		71.2	500		B	**3ND1 365**		014	1	3	1.030
			630		B	**3ND1 372**		014	1	3	1.000

*** You can order this quantity or a multiple thereof.**

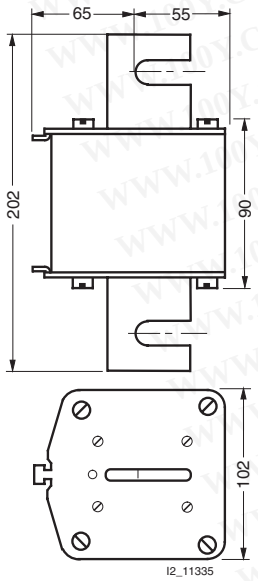
Dimensional drawings

LV HRC fuse links, operational class gG

Sizes 000 to 3 and 4a



Size 4 (IEC design)

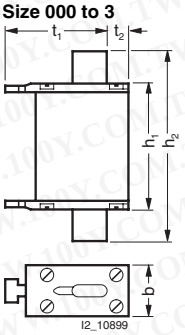


Sizes	I_n A	U_n V	Type	Dimensions b	h_1	h_2	t_1	t_2
000	2 ... 100	500 V AC/250 V DC	3NA3 8../-7	21	54	80	45	8
	2 ... 35	690 V AC/250 V DC	3NA3 8..-6					
	2 ... 100	500 V AC/250 V DC	3NA6 8..					
	10 ... 100	400 AC	3NA6 8..-4					
	2 ... 35	690 V AC/250 V DC	3NA6 8..-6					
	10 ... 100	500 V AC/250 V DC	3NA7 8..					
	2 ... 35	690 V AC/250 V DC	3NA7 8..-6					
00	35 ... 160	500 V AC/250 V DC	3NA3 8..	30	54	80	45	14
	40 ... 100	690 V AC/250 V DC	3NA3 8..-6					
	80 ... 160	500 V AC/250 V DC	3NA6 8../-7					
	80 ... 160	400 AC	3NA6 8..-4 (KK)					
	40 ... 100	690 V AC/250 V DC	3NA6 8..-6					
	80 ... 160	500 V AC/250 V DC	3NA7 8../-7					
	40 ... 100	690 V AC/250 V DC	3NA7 8..-6					
0	6 ... 160	500 V AC/440 V DC	3NA3 0..	30	67	126	45	14
1	16 ... 160	500 V AC/440 V DC	3NA3 1..	30	75	137	50	15
	50 ... 160	690 V AC/440 V DC	3NA3 1..-6					
	16 ... 160	500 V AC/440 V DC	3NA6 1..					
	35 ... 160	400 AC	3NA6 1..-4					
	50 ... 160	690 V AC/440 V DC	3NA6 1..-6					
	16 ... 160	500 V AC/440 V DC	3NA7 1..					
	50 ... 160	690 V AC/440 V DC	3NA7 1..-6					
	200 ... 250	500 V AC/440 V DC	3NA3 1..	47	75	137	51	9
	200	690 V AC/440 V DC	3NA3 1..-6					
	200 ... 250	500 V AC/440 V DC	3NA6 1..					
	200 ... 250	400 AC	3NA6 1..-4					
	200	690 V AC/440 V DC	3NA6 1..-6					
	200 ... 250	500 V AC/440 V DC	3NA7 1..					
	200	690 V AC/440 V DC	3NA7 1..-6					
2	35 ... 250	500 V AC/440 V DC	3NA3 2..	47	75	151	58	10
	80 ... 200	690 V AC/440 V DC	3NA3 2..-6					
	35 ... 250	500 V AC/440 V DC	3NA6 2..					
	50 ... 250	400 AC	3NA6 2..-4					
	80 ... 200	690 V AC/440 V DC	3NA6 2..-6					
	35 ... 250	500 V AC/440 V DC	3NA7 2..					
	80 ... 200	690 V AC/440 V DC	3NA7 2..-6					
	300 ... 400	500 V AC/440 V DC	3NA3 2..	58	74	151	59	13
	224 ... 250	690 V AC/440 V DC	3NA3 2..-6					
	300 ... 400	500 V AC/440 V DC	3NA6 2..					
	300 ... 400	400 AC	3NA6 2..-4					
	224 ... 315	690 V AC/440 V DC	3NA6 2..-6					
	300 ... 400	500 V AC/440 V DC	3NA7 2..					
	224 ... 315	690 V AC/440 V DC	3NA7 2..-6					
3	200 ... 400	500 V AC/440 V DC	3NA3 3..	58	74	151	71	13
	250, 315	690 V AC/440 V DC	3NA3 3..-6					
	425 ... 630	500 V AC/440 V DC	3NA3 3..	71	74	151	70	13
	355 ... 500	690 V AC/440 V DC	3NA3 3..-6					
4	630 ... 1250	500 V AC/440 V DC	3NA3 4..	See adjacent drawing				
4a	500 ... 1250	500 V AC/440 V DC	3NA3 6..	102	97	201	95	20

LV HRC fuse links

LV HRC fuse links, operational class aM

Size 000 to 3



Sizes	I_n A	U_n V	Type	Dimensions b	h_1	h_2	t_1	t_2
000	6 ... 80	500 AC	3ND1 8..	21	54	80	45	8
00	100 ... 160			30	54	80	45	14
1	63 ... 100	690 AC	3ND2 1..	30	75	137	50	15
	125 ... 250			47	75	137	51	9
2	125 ... 250	690 AC	3ND2 2..	47	75	151	58	10
	315 ... 400			58	74	151	59	13
3	315 ... 400	690 AC	3ND2 3..	58	74	151	71	13
	500, 630		3ND1 3..	71	74	151	70	13

Overview

LV HRC signal detectors are used for remote indication that the LV HRC fuse links have been tripped. 3 different solutions are available:

- 3NX1 021 signal detectors with signal detector link 3
- 3NX1 024 signal detector top
- 5TT3 170 fuse monitors.

The LV HRC signal detectors with signal detector link support monitoring of LV HRC fuse links with non-insulated grip lugs of sizes 000 to 4 at 10 A or more.

The signal detector link is connected in parallel to the LV HRC fuse link. In the event of a fault, the LV HRC fuse links are released simultaneously with the LV HRC fuse signaling link. A tripping pin switches a floating microswitch.

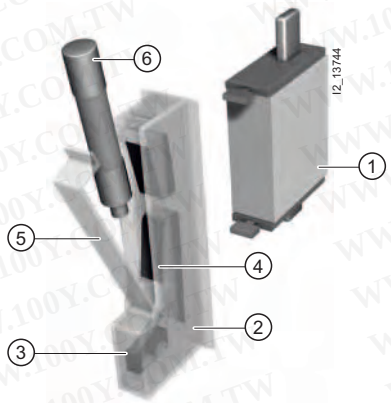
The signal detector top can be used with LV HRC fuse links, sizes 000, 00, 1 and 2, which are equipped with non-insulated grip lugs and have a front indicator or combination alarm. It is simply plugged into the grip lugs.

If a fuse is tripped, the front indicator springs open and switches a floating microswitch. This solution should not be used for safety-relevant plants. For this purpose, we recommend our electronic fuse monitors.

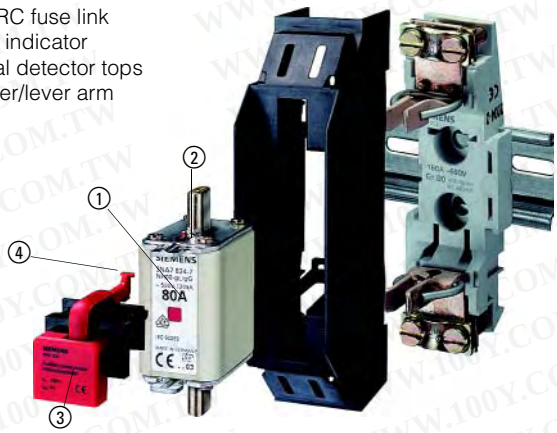
Benefits

LV HRC signal detectors reliably indicate when a fuse has tripped. Tripped fuses are quickly located. This saves time and increases plant availability.

① LV HRC fuse link
② Signal detector
③ Microswitch
④ Spring contact
⑤ Hinged lid
⑥ Signal detector links



① LV HRC fuse link
② Front indicator
③ Signal detector tops
④ Rocker/lever arm



Selection and ordering data

		Sizes	DT	Order No.	Price per PU	PG	PU	PS*/ P. unit	Weight per P. unit approx
							Unit(s)	Unit(s)	kg
	**LV HRC signal detectors** Only for SIEMENS 3NA3, 3NA7 and 3ND LV HRC fuse links with non-insulated grip lugs • Rated voltage up to 690 V AC/600 V DC • Contact: microswitch 250 V AC, 6 A • Connection: flat termination 2.3 mm	000 ... 4	A	**3NX1 021**		014	1	1	0.036
	**Signal detector links** • Rated voltage up to 690 V AC/ 600 V DC	000 ... 4							
	Response value > 9 V; 2.5 A; for standard applications		A	**3NX1 022**		014	1	3	0.015
	Response value > 2 V; 7 A; only for meshed networks		C	**3NX1 023**		014	1	3	0.015
	**Signal detector tops** Only for SIEMENS 3NA3, 3NA7 and 3ND LV HRC fuse links with non-insulated grip lugs • Rated voltage up to 690 V AC/600 V DC • Contact: microswitch 230 V AC, 5 A, 1 CO • Connection: flat termination 2.3 mm	000, 00, 1, 2	►	**3NX1 024**		014	1	1	0.010

*** You can order this quantity or a multiple thereof.**

LV HRC signal detectors

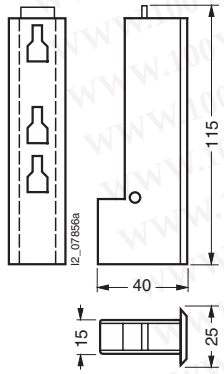
	U_e	I_n	U_c	MW	DT	Order No.	Price per PU	PG	PU	PS*/ P. unit	Weight per P. unit approx
	V AC	A	V						Unit(s)	Unit(s)	kg
	**Fuse monitors** For all low-voltage fuse systems. Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors. Alarm also for disconnected loads.										
	230	4	3x 380 ... 415	2	►	**5TT3 170**		027	1	1	0.150

For more information on fuse monitors, please refer to the chapter "Monitoring of plants and devices".

Dimensional drawings

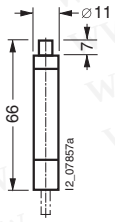
LV HRC signal detectors

3NX1 021



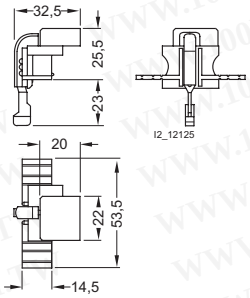
Signal detector links

3NX1 022, 3NX1 023



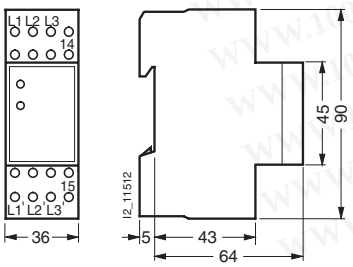
Signal detector tops

3NX1 024



Fuse monitors

5TT3 170



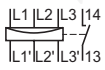
Schematics

LV HRC signal detectors
Signal detector top

3NX1 021
3NX1 024

Fuse monitors

5TT3 170



*** You can order this quantity or a multiple thereof.**

Overview

Terminals for all applications

Terminals are as different as the requirements of individual systems.

Flat terminals with screws are suitable for connecting busbars or cable lugs. They have a torsion-proof screw connection with shim, spring washer and nut. When tightening the nut, always ensure compliance with the specified torque due to the considerable leverage effect.

The double busbar terminal differs from the flat connection in that it supports connection of two busbars, one on the top and one at the bottom of the flat connection.

The modern box terminal ensures efficient and reliable connection to the conductors. They support connection of conductors with or without end sleeves.

In the case of flat terminal with nut, connection of the nut to the terminal lug is torsion-proof. When tightening the nut, the torque must be observed because of the considerable leverage effect.

Up to three conductors can be clamped to the terminal strip.

The plug-in terminal is equipped for connecting two conductors.

One conductor can be clamped to the saddle-type terminal.

LV HRC fuse bases

Benefits

- The silver-plated Lyra contact provides a large contact area for the contact pin of the LV HRC fuse link. This improves heat transmission and lowers the temperature. It also minimizes ageing of the fuse link in the maximum load range, in particular when using SITOR fuses
- The large contact area also facilitates replacement of LV HRC fuse links
- The spring washer tensioning the contact is mechanically galvanized. This will prevent hydrogen embrittlement. The contact is resistant to aging and there will be no dreaded annealing of contacts, which considerably improves operating safety.

Technical specifications

		LV HRC fuse bases, LV HRC bus-mounting bases						
Size		**000/00**	**0**	**1**	**2**	**3**	**4**	**4a**
Standards		IEC 60269-1, -2; EN 60269-1; DIN VDE 0636-2						
Rated current I_n	A	160	160	250	400	630	1250	
Rated voltage U_n	V AC	690	690 (Also suitable for 1000 V SITOR fuse links)					
	V DC	250	440					
Rated breaking capacity	kA AC	120						
	kA DC	25						
Flat terminals								
Screw		M8		M10		M12		M16
Nut		M8	--					
Max. tightening torque	Nm	14		38			65	
Plug-in terminals								
Conductor cross-section	mm^2	2.5 ... 50		--				
Saddle-type terminals								
Conductor cross-section	mm^2	6 ... 70	--					
Box terminals								
Conductor cross-section	mm^2	2.5 ... 50						
Terminal strip								
Conductor cross-section, 3-wire	mm^2	1.5 ... 16	--					
Max. torque for attachment of LV HRC fuse base	Nm	2		2.5			--	

		LV HRC fuse bases with slewing equipment			
Size		**000/00**	**1**	**2/3**	**4a**
Rated voltage U_n	V AC	690			
	V DC	440			
Power loss	W	4	5	20	32
Flat terminals					
Screw		M8	M10	M12	M16
Nut		M8	--		
Max. tightening torque	Nm	14	38		65

Selection and ordering data

	Sizes	I_n	Version	DT	Order No.	Price per PU	PG	PU	PS*/ P. unit	Weight per P. unit approx
		A						Unit(s)	Unit(s)	kg
	LV HRC fuse bases									
	Made of molded plastic, for standard rail mounting or screw fixing									
	**000/00**		1P							
		160	With flat terminals, screw	►	**3NH3 051**		014	1	1/10	0.119
			With saddle-type terminals	►	**3NH3 052**		014	1	1/10	0.114
		125	With box terminals, up to 50 mm^2	►	**3NH3 053**		014	1	1/10	0.109
	Made of ceramic for screw fixing									
			1P							
		160	With flat terminals, screw	►	**3NH3 030**		014	1	3	0.235
			With plug-in terminals	B	**3NH3 031**		014	1	3	0.230
			With saddle-type terminals	►	**3NH3 032**		014	1	3	0.266
		160	With flat terminals and terminal strip	B	**3NH3 035**		014	1	3	0.230
			With flat terminals, nut	B	**3NH3 038**		014	1	3	0.207
			With flat and saddle-type terminals	B	**3NH3 050**		014	1	3	0.227
	Made of molded plastic, for standard rail mounting and screw fixing									
		160	3P							
			With flat terminals	►	**3NH4 030**		014	1	1	0.700
			With plug-in terminals	B	**3NH4 031**		014	1	1	0.800
			With saddle-type terminals	B	**3NH4 032**		014	1	1	0.800
			With flat terminals and terminal strip	B	**3NH4 035**		014	1	1	0.750
	**0**	160	1P							
			With flat terminals	A	**3NH3 120**		014	1	3	0.460
			With plug-in terminals	B	**3NH3 122**		014	1	3	0.460
	**1**	250	1P							
			With flat terminals	►	**3NH3 230**		014	1	3	0.789
			With double busbar terminals	B	**3NH3 220**		014	1	3	0.789
		250	3P							
			With flat terminals	A	**3NH4 230**		014	1	1	2.100
	**2**	400	1P							
			With flat terminals	►	**3NH3 330**		014	1	1	0.843
			With double busbar terminals	A	**3NH3 320**		014	1	1	1.000
	**3**	630	1P							
			With flat terminals	►	**3NH3 430**		014	1	1	1.100
			With double busbar terminals	A	**3NH3 420**		014	1	1	1.100

*** You can order this quantity or a multiple thereof.**

LV HRC fuse bases

	Sizes	I_n A	Version	DT	Order No.	Price per PU	PG	PU Unit(s)	PS*/ P. unit Unit(s)	Weight per P. unit approx kg
	**4** (IEC design)	1250	1P With flat terminals	A	**3NH3 530**		014	1	1	3.000
	LV HRC bus-mounting bases for busbars									
	12 x 5 mm to 12 x 10 mm, Busbar spacing 40 mm									
	**000/00**	160	1P With top saddle-type terminals With bottom saddle-type terminals Terminal strip, top	 B B B	 **3NH3 036** **3NH3 037** **3NH3 048**		 014 014 014	 1 1 1	 1 1 1	 0.150 0.150 0.150
	**000/00**	80	3P, in tandem design 3 outgoing feeders, top and bottom With saddle-type terminals With 4 barriers With 2 non-interrupted barriers	 B B	 **3NH4 037** **3NH4 045**		 014 014	 1 1	 1 1	 0.800 0.800
	LV HRC fuse bases with slewing equipment									
	With flat terminal and additional saddle-type terminals (included)									
	**000/00**	160	1P With screw fixing for mounting plate With claw fixing for non-perforated busbar With screw fixing for perforated busbar	 A B B	 **3NH7 030** **3NH7 031** **3NH7 032**		 014 014 014	 1 1 1	 1 1/3 1/3	 1.000 1.000 1.000
	**1**	250	With screw fixing for mounting plate With claw fixing for non-perforated busbar With screw fixing for perforated busbar	A B B	**3NH7 230** **3NH7 231** **3NH7 232**		014 014 014	1 1 1	1 1 1	2.500 2.500 2.500
	Can also be used for fuse links of size 2									
	**3**	630	With screw fixing for mounting plate With claw fixing for non-perforated busbar With screw fixing for perforated busbar, can be used as disconnector	B B B	**3NH7 330** **3NH7 331** **3NH7 332**		014 014 014	1 1 1	1 1 1	4.800 4.800 4.800

*** You can order this quantity or a multiple thereof.**

	Sizes	I_n A	Version	DT	Order No.	Price per PU	PG	PU Unit(s)	PS*/ P. unit Unit(s)	Weight per P. unit approx kg
	**4a**	1250	With screw fixing for mounting plate	A	**3NH7 520**		014	1	1	5.200
	**LV HRC contact covers for LV HRC fuse bases**									
	000/00		Touch protection for contact pieces	►	**3NX3 105**		014	1	2/20	0.013
	0			B	**3NX3 114**		014	1	2/40	0.010
	1			►	**3NX3 106**		014	1	2/20	0.027
	2			►	**3NX3 107**		014	1	2/12	0.031
	3			►	**3NX3 108**		014	1	2/10	0.038
	**LV HRC partitions for LV HRC fuse bases**									
	As intermediate phase and end barrier									
	000/00		Type							
			3NH3 0/3NH4 0	►	**3NX2 023**		014	1	2	0.025
	0		3NH3 1	B	**3NX2 030**		014	1	2	0.050
	1		3NH3 2	►	**3NX2 024**		014	1	2	0.053
	2		3NH3 3	►	**3NX2 025**		014	1	2	0.066
	3		3NH3 4	►	**3NX2 026**		014	1	2	0.101
	**LV HRC protective covers IP2X**									
	For LV HRC fuse bases									
	000/00		1P and 3P	B	**3NX3 115**		014	1	10	0.039
	**LV HRC covers**									
	For plugging into IP2X LV HRC protective covers			B	**3NX3 116**		014	1	10	0.014
	**LV HRC contact covers for LV HRC bus-mounting bases**									
	Touch protection for contact pieces									
	Outgoing terminal			►	**3NX3 105**		014	1	2/20	0.013
	Incoming terminal			B	**3NX3 113**		014	1	2/50	0.006
	**LV HRC partitions for 3NH3 0 LV HRC bus-mounting bases**									
	As phase barrier			C	**3NX2 027**		014	1	2	0.017
	As end barrier			C	**3NX2 028**		014	1	2/50	0.020

*** You can order this quantity or a multiple thereof.**

LV HRC fuse bases

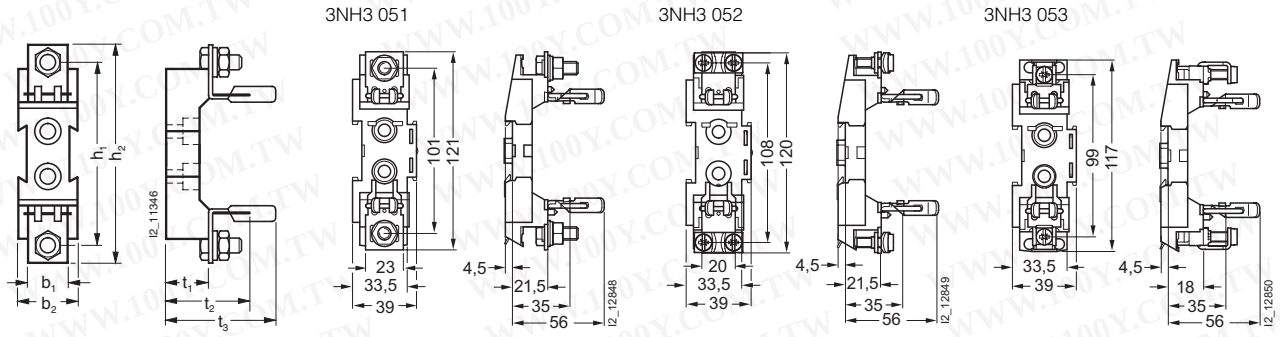
	Sizes	Version	DT	Order No.	Price per PU	PG	PU Unit(s)	PS*/ P. unit Unit(s)	Weight per P. unit approx kg
		**Non-interrupted barriers**							
		For 3NH4 0 LV HRC bus-mounting bases	C	**3NX2 031**		014	1	2/30	0.050
		**Fuse pullers**							
	000 ... 4	For LV HRC fuse links							
		Without sleeve	►	**3NX1 013**		014	1	1	0.280
		With sleeve	►	**3NX1 014**		014	1	1	0.480
		**Isolating links For LV HRC fuse bases and fuse switch disconnectors**							
		With insulated grip lugs							
	000/00	Silver-plated	►	**3NG1 002**		014	1	3/30	0.080
	0		C	**3NG1 102**		014	1	1/10	0.110
	1		►	**3NG1 202**		014	1	1/10	0.170
	2		►	**3NG1 302**		014	1	1/5	0.240
	3		►	**3NG1 402**		014	1	1/5	0.290
		With non-insulated grip lugs							
	4	Tinned	B	**3NG1 503**		014	1	6	0.708
	4a	Nickel-plated	B	**3NG1 505**		014	1	1/5	0.730
		**Fuse-base covers**							
		For LV HRC fuse bases, red with yellow inscription (German) "Power supply isolating point"							
	000/00		C	**3NX1 003**		014	1	3	0.050
	1, 2, 3		C	**3NX1 004**		014	1	3	0.100

*** You can order this quantity or a multiple thereof.**

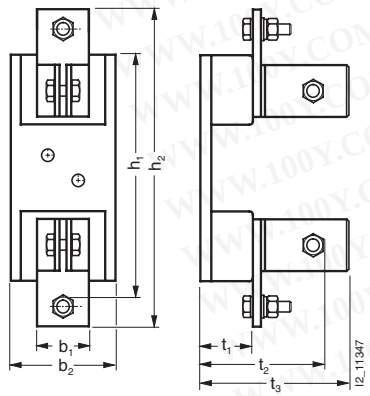
Dimensional drawings

LV HRC fuse bases

Size 000/00 to 3



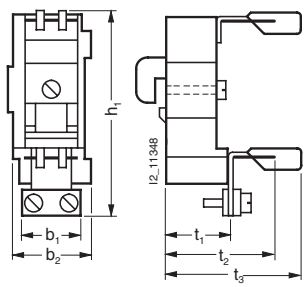
Size 4[1]



Sizes	I_n	Number of poles	Connection	Type	Dimensions						
	A				b_1	b_2	h_1	h_2	t_1	t_2	t_3
000/00	160	1P	M8 plug-in terminal	3NH3 0..	30	34	102	122	24	40	60
			Saddle-type terminal		29						
			Flat terminal		23						
		3P	M8 plug-in terminal	3NH4 0..	30	102					
			Saddle-type terminal		29						
			Flat terminal		23						
		1P	Saddle-type terminal	LV HRC bus mounting base[2] 3NH3 0..	29	37	–	95	28	44	64
			Terminal strip		26			102			
0	160	1P	Flat terminal	3NH3 1..	23	38	150	173	24	39	60
			Plug terminal		30						
1	250	1P	M10 flat terminal	3NH3 2..	35	49	177	201	35	55	84
			Double busbar terminal								
		3P	M10 flat terminal	3NH4 2..		163					
2	400	1P	M10 flat terminal	3NH3 3..	35	49	202	226	35	55	90
			Double busbar terminal								
3	630	1P	M12 flat terminal	3NH3 4..	35	49	212	241	35	55	101
			Double busbar terminal								
4	1250	1P	M12 flat terminal	3NH3 5..	50	102	270	max. 307	51	116[1]	144
4a	Can only be used in bases with slewing equipment										

LV HRC bus-mounting base[2]

1P



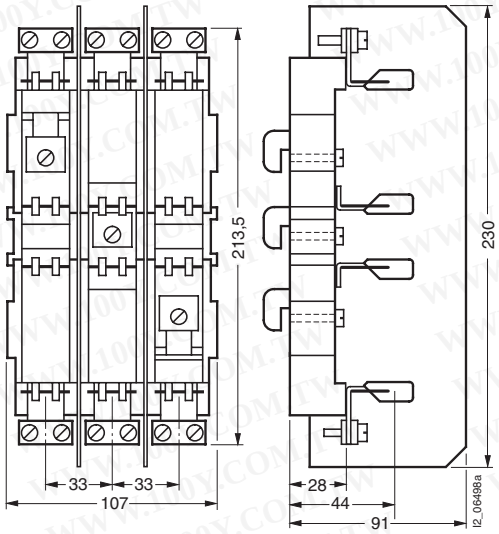
[1] Size 4 LV HRC fuse links are also screwed onto the base.

[2] LV HRC bus-mounting bases are only connected on one side using terminals, the second connection is made through the bottom of the base.

LV HRC fuse bases

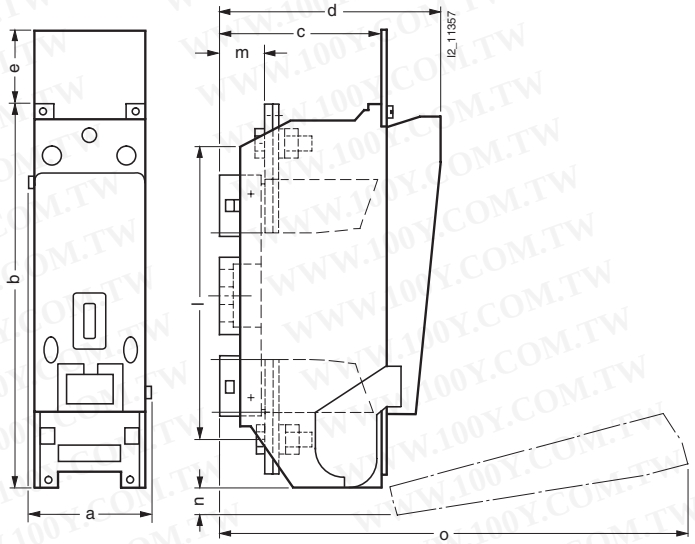
LV HRC bus-mounting bases in tandem design

Busbar center-to-center clearance 40 mm
3NH4 037, 3NH4 045



LV HRC fuse bases with slewing equipment

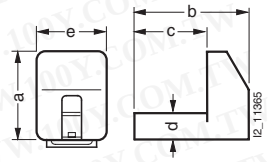
Sizes 000/00 to 4a



Sizes	I_n	Type	Dimensions								
	A		a	b	c	d	e	l	m	n	o
000/00	160	3NH7 03.	44	149	45	88.5	22.5	120	17	18	200
1	250	3NH7 23.	68	230	68	123.5	23	177	25	40	300
2/3	630	3NH7 33.	90	270	96	153.5	15.5	220.5	30.5	35	350
4a	1250	3NH7 520	116	350	154.5	217.5	69	270	40	26	440

LV HRC contact covers for LV HRC fuse bases

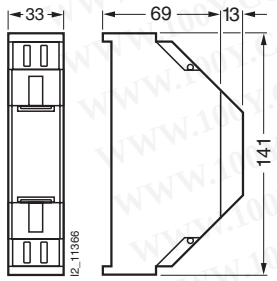
Sizes 000/00 to 3, 3NX3 10



Sizes	Type	Dimensions				
		a	b	c	d	e
000/00	3NX3 105	38	47.5	34	11.5	30
1	3NX3 106	61.5	57	42.5	35	46
2	3NX3 107	74	65	51	35	46
3	3NX3 108	81.5	77.5	57.5	35	46

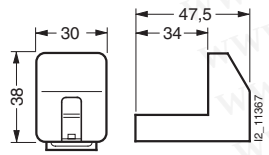
3NX3 115 LV HRC protective cover, with 3NX3 116 LV HRC cover

Size 000/00, degree of protection IP2X



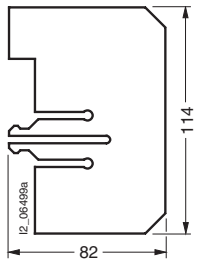
LV HRC contact covers for LV HRC bus-mounting bases

for 1-pole version and tandem design, 3NX3 105

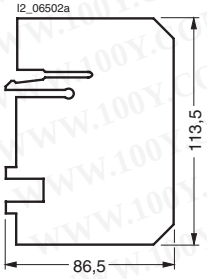


LV HRC partitions

Phase barriers
3NX2 027

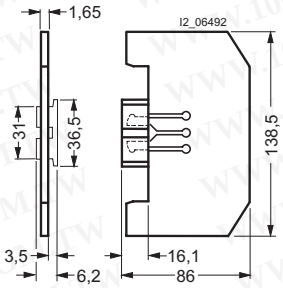


End barrier
3NX2 028

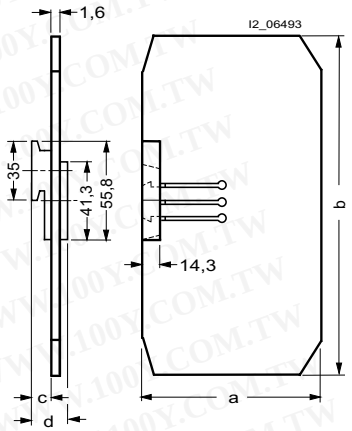


LV HRC partitions

Size 000/00
3NX3 023

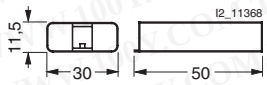


Sizes 0 to 3
3NX2 030, 3NX2 024 to 3NX2 026

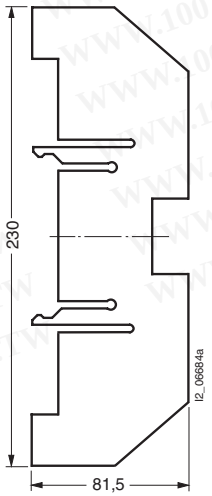


Sizes	Type	Dimensions			
		a	b	c	d
0	3NX2 030	87.6	178.5	7.7	12.3
1	3NX2 024	107.3	202.5	7.7	12.3
2	3NX2 025	115.3	227.5	14.2	25.1
3	3NX2 026	129.8	242	20.2	37.2

3P,
3NX3 113



For LV HRC fuse bases in tandem design
3NX2 031

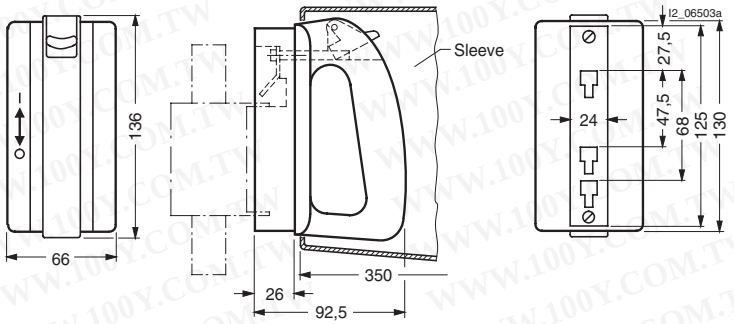


LV HRC fuse bases

Fuse puller

Sizes 000 to 4

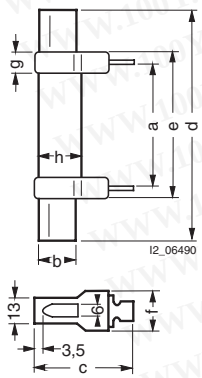
3NX1 013 (without sleeve), 3NX1 014 (with sleeve)



Isolating links

With insulated grip lug, sizes 000/00 to 3

3NG1 .02

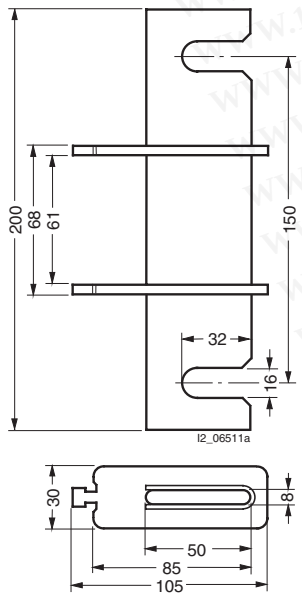


Sizes	Type	Dimensions							
		a	b	c	d	e	f	g	h
000/00	3NG1 002	44	15	48	78	54	20.5	8	19
0	3NG1 102	60.5	15	48	125	68	20.5	8	19
1	3NG1 202	61	20	53	135	72	23	9	24
2	3NG1 302	61	26	61	150	72	23	9	29
3	3NG1 402	61	32	73	150	72	23	9	36

Isolating links with non-insulated grip lugs

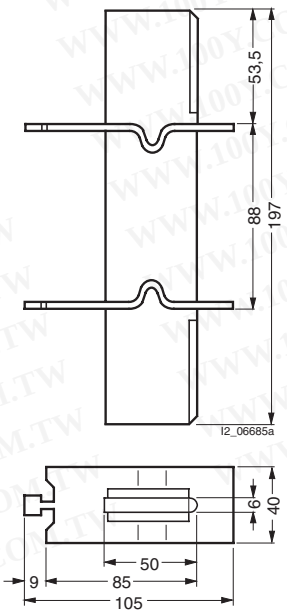
Size 4

3NG1 503



Size 4a

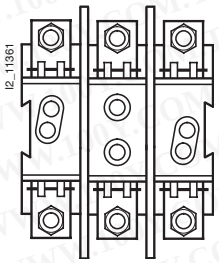
3NG1 505



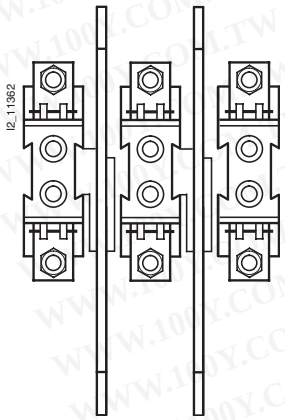
More information

Space requirements when installing LV HRC fuse bases

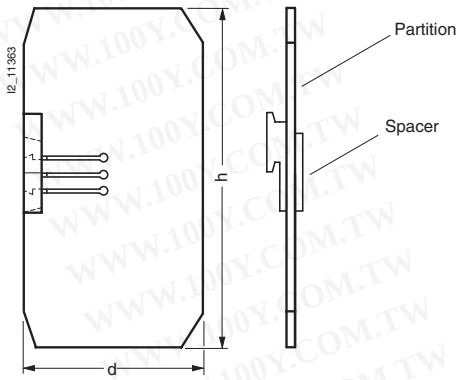
1 LV HRC fuse base, 3P



3 LV HRC fuse bases, 1P



LV HRC partition



Sizes	Mounting width (mm) of LV HRC fuse bases					Mounting height (mm)	Mounting depth (mm)
	1 unit, 3P		3 units, 1P		Distance through spacer	3NX2 0.. partitions with matching bases[2]	
	Base with phase barrier, without end barrier	Base with phase and 2 end barriers	Base with phase barrier, without end barrier	Base with phase and 2 end barriers		h	d
000/00	102	106	100	104[1]	2	138	86
	LV HRC bus-mounting bases see page 3/55				–	114	90
0	–	–	128	142	7	178	90
1	163	177	158	172	7	202	110
2	–	–	184	224	20	227	118
3	–	–	208	272	32	242	132
4	Installation without barriers; for mounting see page 3/55					n/a	
4a	Can only be used in bases with slewing equipment					n/a	

1) Placing an additional base on the barrier and plug-on part does not increase the distance, rather the bases lie flat directly on top of one another.

2) This measurement specifies the required overall mounting depth with base d and the overall mounting height h.

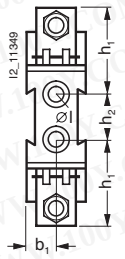
3) If the bases are installed directly on a side wall in the distribution board, one spacer part can be broken off. This would reduce the distance measurement.

LV HRC fuse bases

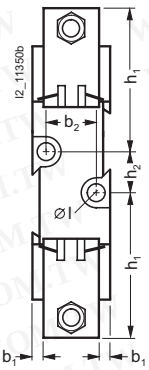
Drill hole dimensions for base plate mounting

LV HRC fuse bases,

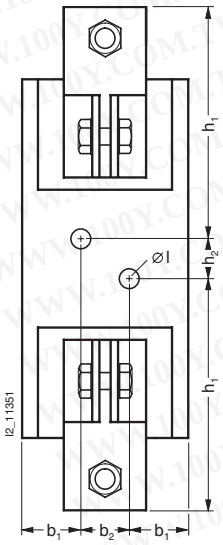
Sizes 000/00 and 0



Sizes 1 to 3



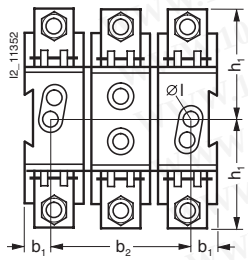
Size 4



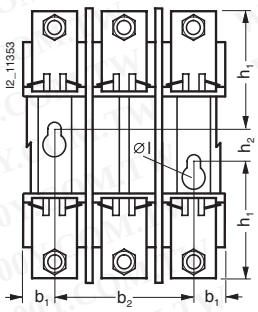
Sizes	Type	Dimensions				
		b_1	b_2	h_1	h_2	l
000/00	3NH3 0..	17	–	48	25	7.5
0	3NH3 1..	19	–	74	25	7.5
1	3NH3 2..	9	30	88	25	10.5
2	3NH3 3..	9	30	100	25	10.5
3	3NH3 4..	9	30	108	25	10.5
4	3NH3 530	36	30	141	25	13

LV HRC fuse bases, 3P

Size 000/00



Size 1

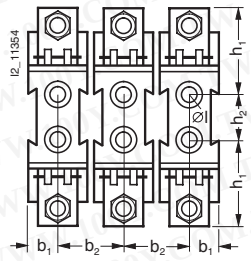


Sizes	Type	Dimensions				
		b_1	b_2	h_1	h_2	l
000/00	3NH4 0..	15	70	46	–	7.5
1	3NH4 230	26	110.5	88	25	10

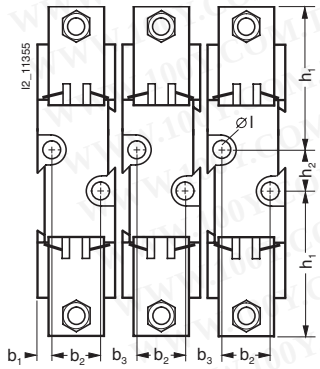
Drill hole dimensions for base plate mounting

LV HRC fuse bases, 3 units, 1P

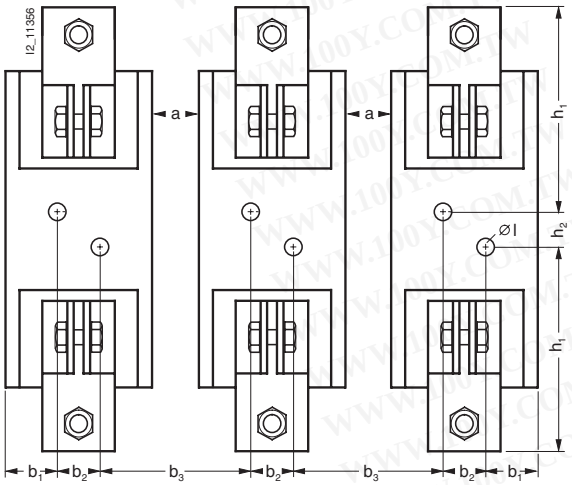
Sizes 000/00 and 0



Sizes 1, 2 and 3



Size 4



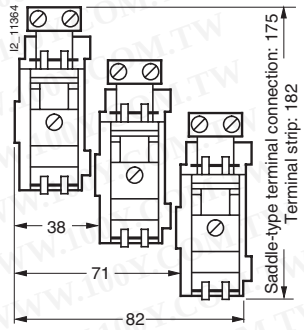
Sizes	Type	Dimensions					
		b_1	b_2	b_3	h_1	h_2	I
000/00	3NH3 0..	17	34	–	48	25.5	7.5
0	3NH3 1..	19	45	–	74	25	7.5
1	3NH3 2..	9	30	25.5	88	25	10.5
2	3NH3 3..	9	30	38.5	100	25	10.5
3	3NH3 4..	9	30	50.5	108	25	10.5
4	3NH3 530	36	30	95	141	25	13

Note:
These LV HRC fuse bases are mounted without phase barriers.
A minimum clearance of a = 25 mm is required.

LV HRC fuse bases

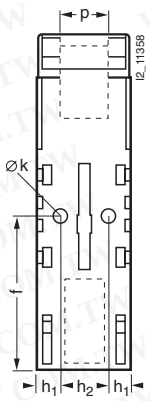
Space requirements when installing LV HRC bus-mounting bases

Space requirements for
3-piece, 1-pole LV HRC bus-mounting bases, staggered

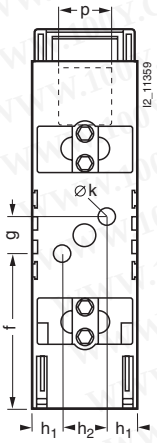


Drill hole dimensions for base plate mounting

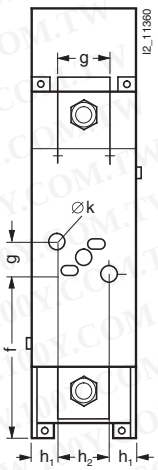
Size
000/00



Sizes
1 and 2/3



Size
4a



Sizes	I_n	Type	Dimensions					
	A		f	g	h_1	h_2	Øk	p
000/00	160	3NH7 03.	79	–	9.5	25	7	20
1	250	3NH7 23.	102.5	25	19	30	10.5	25
2/3	630	3NH7 33.	122.5	25	30	30	10.5	40
4a	1250	3NH7 520	170	30	31.5	45	13	50