

SENTRIC Switch Disconnectors and Fuse Switch Disconnectors

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SENTRIC switch disconnectors

SENTRIC LD main control and EMERGENCY-STOP switches from 16 A to 125 A

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Base mounting
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Base mounting
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For high technical requirements
Accessories for high technical
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SITOR semiconductor protection fuses
BETA LV HRC fuses



SENTRIC Switch Disconnectors

SENTRIC LD Main Control and EMERGENCY-STOP Switches from 16 A to 125 A

Front mounting
Base mounting

Area of application

The SENTRIC 3LD2 switches are used for switching main and auxiliary circuits, but also for switching induction motors and other consumers during maintenance and repair work.

They can be used as:

- On-Off switches,
- EMERGENCY-STOP switches and

- Main control switches acc. to EN 60204-1

Main control and EMERGENCY-STOP switches are, in accordance with IEC 60947-3/ EN 60947-3, manually operated switch disconnectors and comply with the isolation conditions and the requirements of machine guideline EN 60204-1.

Selection and ordering data

Number and version of contacts		Rated data at 50 Hz to 60 Hz 380 V to 440 V		DT	Four-hole mounting	PS*	Weight per PU approx.	DT	Center-hole mounting Ø 22.5 mm	PS*	Weight per PU approx.
Main contact elements		P/AC-23A I _u									
		kW	A		Order No.		kg		Order No.		kg
Main control and EMERGENCY-STOP switches with front mounting and rotary operating mechanism ¹⁾											
• Lockable in 0 position with up to 3 padlocks											
• Degree of protection IP65											
• Front plate											
- 3LD2 0, 3LD2 1, 3LD2 2: 67 mm × 67 mm											
- 3LD2 5 to 3LD2 8: 90 mm × 90 mm.											
 3LD2 203-0TK53	3	7.5	16	▶	3LD2 003-0TK..	1 unit	0.207		3LD2 054-0TK..	1 unit	0.215
		9.5	25	▶	3LD2 103-0TK..	1 unit	0.206		3LD2 154-0TK..	1 unit	0.215
		11.5	32	▶	3LD2 203-0TK..	1 unit	0.206		3LD2 254-0TK..	1 unit	0.214
		22	63	▶	3LD2 504-0TK..	1 unit	0.424		3LD2 555-0TK..	1 unit	0.443
		37	100	▶	3LD2 704-0TK..	1 unit	0.501		–		
		45	125		3LD2 804-0TK..	1 unit	0.503		–		
 3LD2 213-0TK53	3 + N	7.5	16	▶	3LD2 003-1TL..	1 unit	0.217		3LD2 054-1TL..	1 unit	0.230
		9.5	25		3LD2 103-1TL..	1 unit	0.243		3LD2 154-1TL..	1 unit	0.256
		11.5	32		3LD2 203-1TL..	1 unit	0.243		3LD2 254-1TL..	1 unit	0.260
		22	63	▶	3LD2 504-0TK.. + ²⁾	1 unit	0.424		3LD2 555-0TK.. + ²⁾	1 unit	0.443
				▶	3LD9 250-0B	1 unit	0.079	▶	3LD9 250-0B	1 unit	0.079
		37	100	▶	3LD2 704-0TK.. + ²⁾	1 unit	0.501		–		
				▶	3LD9 280-0B	1 unit	0.101				
		45	125		3LD2 804-0TK.. + ²⁾	1 unit	0.503		–		
				▶	3LD9 280-0B	1 unit	0.101				
Main control and EMERGENCY-STOP switches with base mounting and door-coupling rotary operating mechanism ^{1) 3)}											
• With 300 mm switch shaft											
• Lockable in 0 position with up to 3 padlocks											
• Degree of protection IP65											
• Front plate											
- 3LD2 0, 3LD2 1, 3LD2 2: 67 mm × 67 mm											
- 3LD2 5 to 3LD2 8: 90 mm × 90 mm.											
 3LD2 213-0TK53	3	7.5	16	▶	3LD2 013-0TK..	1 unit	0.412		3LD2 044-0TK..	1 unit	0.430
		9.5	25	▶	3LD2 113-0TK..	1 unit	0.407		3LD2 144-0TK..	1 unit	0.426
		11.5	32	▶	3LD2 213-0TK..	1 unit	0.405		3LD2 244-0TK..	1 unit	0.427
		22	63	▶	3LD2 514-0TK..	1 unit	0.655		3LD2 545-0TK..	1 unit	0.710
		37	100	▶	3LD2 714-0TK..	1 unit	0.765		–		
		45	125		3LD2 814-0TK..	1 unit	0.766		–		
 3LD2 213-0TK53	3 + N	7.5	16	▶	3LD2 013-1TL..	1 unit	0.412		3LD2 044-1TL..	1 unit	0.433
		9.5	25		3LD2 113-1TL..	1 unit	0.450		3LD2 144-1TL..	1 unit	0.461
		11.5	32	▶	3LD2 213-0TK.. + ²⁾	1 unit	0.405		3LD2 244-0TK.. + ²⁾	1 unit	0.427
				▶	3LD9 220-0C	1 unit	0.039	▶	3LD9 220-0C	1 unit	0.039
		22	63	▶	3LD2 514-0TK.. + ²⁾	1 unit	0.655		3LD2 545-0TK.. + ²⁾	1 unit	0.710
				▶	3LD9 250-0C	1 unit	0.080	▶	3LD9 250-0C	1 unit	0.080
		37	100	▶	3LD2 714-0TK.. + ²⁾	1 unit	0.765		–		
				▶	3LD9 280-0C	1 unit	0.102				
		45	125		3LD2 814-0TK.. + ²⁾	1 unit	0.766		–		
				▶	3LD9 280-0C	1 unit	0.102				
Actuator black red/yellow (EMERGENCY-STOP)											
51 53											
51 53											

1) A terminal cover for the supply side is included in the scope of supply.

2) Please order 4th contact as neutral conductor separately, see Accessories on Pages 10/4 and 10/5.

3) Screw fixing or snap-on mounting on 35 mm standard mounting rail is standard.

* This quantity or a multiple thereof can be ordered.
For other devices and versions, see A&D Mall.

SENTRIC Switch Disconnectors

SENTRIC LD Main Control and EMERGENCY-STOP Switches from 16 A to 125 A

Mounting in distribution board
Molded-plastic enclosures

Selection and ordering data

Number and version of contacts	Rated data at 50 Hz to 60 Hz 380 V to 440 V		DT		PS*	Weight per PU approx.	DT		PS*	Weight per PU approx.
Main contact elements	P/AC-23A I_U									
	kW	A	Order No.			kg	Order No.			kg

ON/OFF and EMERGENCY-STOP switches for distribution board mounting with masking plate and selector switch

- With screw and snap-on mounting on 35 mm standard mounting rail
- Lockable in 0 position with up to 2 padlocks
- Degree of protection at front IP44



3LD2 530-0TK13

3	7.5	16	3LD2 030-0TK..	1 unit	0.169
	9.5	25	3LD2 130-0TK..	1 unit	0.171
	11.5	32	3LD2 230-0TK..	1 unit	0.168
	22	63	3LD2 530-0TK..	1 unit	0.311
	37	100	3LD2 730-0TK..	1 unit	0.379
	45	125	3LD2 830-0TK..	1 unit	0.379
3 + N	7.5	16	3LD2 030-1TL..	1 unit	0.183
	9.5	25	3LD2 130-0TK.. + ¹⁾	1 unit	0.171
			▶ 3LD9 220-0C	1 unit	0.039
	11.5	32	3LD2 230-0TK.. + ¹⁾	1 unit	0.168
			▶ 3LD9 220-0C	1 unit	0.039
	22	63	3LD2 530-0TK.. + ¹⁾	1 unit	0.311
			▶ 3LD9 250-0C	1 unit	0.080
	37	100	3LD2 730-0TK.. + ¹⁾	1 unit	0.379
			▶ 3LD9 280-0C	1 unit	0.102
	45	125	3LD2 830-0TK.. + ¹⁾	1 unit	0.379
			▶ 3LD9 280-0C	1 unit	0.102

Actuator
black
red/yellow (EMERGENCY-STOP)

11
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Pg cable gland

Metric screwed glands

Main control and EMERGENCY-STOP switches with molded-plastic enclosure

- With N or PE/ground terminal
- Lockable in 0 position with up to 3 padlocks
- Degree of protection IP65



3LD2 164-0TB53



3LD2 164-0TB53

3	7.5	16	–			3LD2 064-0TB..	1 unit	0.463
	9.5	25	3LD2 161-0TB..	1 unit	0.415	3LD2 164-0TB..	1 unit	0.463
	11.5	32	3LD2 261-0TB..	1 unit	0.420	3LD2 264-0TB..	1 unit	0.465
	22	63	3LD2 562-0TB..	1 unit	0.801	3LD2 565-0TB..	1 unit	0.906
	37	100	3LD2 763-0TB..	1 unit	2.000	3LD2 766-0TB..	1 unit	1.890
	45	125	3LD2 863-0TB..	1 unit	2.000	3LD2 866-0TB..	1 unit	1.890
3 + N	7.5	16	–			3LD2 064-1TC..	1 unit	0.453
	9.5	25	3LD2 161-1TC..	1 unit	0.439	3LD2 164-1TC..	1 unit	0.487
	11.5	32	3LD2 261-1TC..	1 unit	0.444	3LD2 264-1TC..	1 unit	0.500
	22	63	3LD2 562-1TC..	1 unit	0.863	3LD2 565-1TC..	1 unit	0.960
	37	100	3LD2 763-0TB.. + ¹⁾	1 unit	2.000	3LD2 766-0TB.. + ¹⁾	1 unit	1.890
			▶ 3LD9 280-0C	1 unit	0.102	▶ 3LD9 280-0C	1 unit	0.102
	45	125	3LD2 863-0TB.. + ¹⁾	1 unit	2.000	3LD2 866-0TB.. + ¹⁾	1 unit	1.890
			▶ 3LD9 280-0C	1 unit	0.102	▶ 3LD9 280-0C	1 unit	0.102

Actuator
black
red/yellow (EMERGENCY-STOP)

51
53

51
53

1) Please order 4th contact as neutral conductor separately; see Accessories for base mounting and distribution board mounting on Pages 10/4 and 10/5.

* This quantity or a multiple thereof can be ordered.
For other devices and versions, see A&D Mall.

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SENTRIC Switch Disconnectors

SENTRIC LD Main Control and EMERGENCY-STOP Switches from 16 A to 125 A

Accessories

Selection and ordering data

Version		DT	3LD2 0	PS*	Weight per PU approx.	DT	3LD2 1 and 3LD2 2	PS*	Weight per PU approx.
			Order No.		kg		Order No.		kg
For front mounting									
		4th contact (N conductor) for front mounting, leading switch-on, lagging switch-off	–			▶	3LD9 220-0B	1 unit	0.039
3LD9 2.0-0B	3LD9 2.0-2B	N or PE/ground terminal continuous	▶ 3LD9 200-2B	1 unit	0.030	▶	3LD9 220-2B	1 unit	0.036
		Auxiliary switches mountable left and/or right, lagging switch-on, leading switch-off 1 NO + 1 NC 1 NO 1 NC	▶ 3LD9 220-5B 3LD9 220-3B 3LD9 220-4B	1 unit 1 unit 1 unit	0.046 0.029 0.029	▶	3LD9 220-5B 3LD9 220-3B 3LD9 220-4B	1 unit 1 unit 1 unit	0.046 0.029 0.029
3LD9 2.0-3B	3LD9 2.0-5B	Labeling plate German/English	3LD9 286-1A	1 unit	0.005		3LD9 286-1A	1 unit	0.005
For front and base mounting									
		Rotary operating mechanism lockable in 0 position with up to 3 padlocks							
3LD9 2.4-1A		For four-hole mounting black red/yellow	3LD9 224-1B 3LD9 224-3B	1 unit 1 unit	0.072 0.075		3LD9 224-1B 3LD9 224-3B	1 unit 1 unit	0.072 0.075
		For center-hole mounting black red/yellow	3LD9 224-1D 3LD9 224-3D	1 unit 1 unit	0.080 0.081		3LD9 224-1D 3LD9 224-3D	1 unit 1 unit	0.080 0.081
		Labeling plate German/English	3LD9 286-1A	10 units	0.005		3LD9 286-1A	10 units	0.005
		Terminal covers for additional touch protection can be snapped on at top and bottom 1-pole (1 pack = 4 units) 3-pole (1 pack = 4 units) 4-pole (1 pack = 4 units)	3LD9 201-2A – 3LD9 201-1A	1 unit – 1 unit	0.007 – 0.007		3LD9 221-2A 3LD9 221-0A –	1 unit 1 unit –	0.004 0.007 –
3LD9 2.1-0A	3LD9 2.1-2A								
For base mounting or distribution board mounting									
		4th contact (N conductor) for flush mounting on rear, leading switch-on, lagging switch-off	–			▶	3LD9 220-0C	1 unit	0.039
3LD9 2.0-0C		N or PE/ground terminal continuous	▶ 3LD9 200-2C	1 unit	0.032	▶	3LD9 220-2C	1 unit	0.037
		Auxiliary switches mountable left and/or right, lagging switch-on, leading switch-off 1 NO + 1 NC 1 NO 1 NC	▶ 3LD9 220-5C 3LD9 220-3C 3LD9 220-4C	1 unit 1 unit 1 unit	0.046 0.029 0.030	▶	3LD9 220-5C 3LD9 220-3C 3LD9 220-4C	1 unit 1 unit 1 unit	0.046 0.029 0.030
3LD9 2.0-2C		Labeling plate German/English	3LD9 286-1A	10 units	0.005		3LD9 286-1A	10 units	0.005

* This quantity or a multiple thereof can be ordered.
For other devices and versions, see A&D Mall.

SENTRIC Switch Disconnectors

SENTRIC LD Main Control and EMERGENCY-STOP Switches from 16 A to 125 A

Accessories

Version		DT	3LD2 5	PS*	Weight per PU approx.	DT	3LD2 7 and 3LD2 8	PS*	Weight per PU approx.
			Order No.				Order No.		
For front mounting									
		4th contact (N conductor) for front mounting, leading switch-on, lagging switch-off	▶ 3LD9 250-0B	1 unit	0.079	▶	3LD9 280-0B	1 unit	0.101
3LD9 2.0-0B	3LD9 2.0-2B	N or PE/ground terminal continuous	▶ 3LD9 250-2B	1 unit	0.072	▶	3LD9 280-2B	1 unit	0.092
		Auxiliary switches mountable left and/or right, lagging switch-on, leading switch-off 1 NO + 1 NC 1 NO 1 NC	3LD9 250-5B 3LD9 250-3B 3LD9 250-4B	1 unit 1 unit 1 unit	0.047 0.029 0.028		3LD9 280-5B 3LD9 280-3B 3LD9 280-4B	1 unit 1 unit 1 unit	0.047 0.030 0.029
3LD9 2.0-3B	3LD9 2.0-5B	Labeling plate German/English	3LD9 286-1A	10 units	0.005		3LD9 286-1A	10 units	0.005
For front and base mounting									
		Rotary operating mechanism lockable in 0 position with up to 3 padlocks							
3LD9 2.4-1A		For four-hole mounting black red/yellow	3LD9 284-1B 3LD9 284-3B	1 unit 1 unit	0.154 0.152		3LD9 284-1B 3LD9 284-3B	1 unit 1 unit	0.154 0.152
		Labeling plate German/English	3LD9 286-1A	10 units	0.005		3LD9 286-1A	10 units	0.005
3LD9 286-1A		Terminal covers for additional touch protection can be snapped on at top and bottom 1-pole (1 pack = 4 units) 3-pole (1 pack = 4 units) 4-pole (1 pack = 4 units)	3LD9 251-2A 3LD9 251-0A –	4 unit 1 unit	0.125 0.009		3LD9 281-2A – –	1 unit	0.006
									
3LD9 2.1-0A	3LD9 2.1-2A								
For base mounting or distribution board mounting									
		4th contact (N conductor) for rear mounting, leading switch-on, lagging switch-off	▶ 3LD9 250-0C	1 unit	0.080	▶	3LD9 280-0C	1 unit	0.102
3LD9 2.0-0C		N or PE/ground terminal continuous	▶ 3LD9 250-2C	1 unit	0.073	▶	3LD9 280-2C	1 unit	0.093
		Auxiliary switches mountable left and/or right, lagging switch-on, leading switch-off 1 NO + 1 NC 1 NO 1 NC	3LD9 250-5C 3LD9 250-3C 3LD9 250-4C	1 unit 1 unit 1 unit	0.047 0.030 0.029		3LD9 280-5C 3LD9 280-3C 3LD9 280-4C	1 unit 1 unit 1 unit	0.047 0.029 0.029
3LD9 2.0-2C		Labeling plate German/English	3LD9 286-1A	10 units	0.005		3LD9 286-1A	10 units	0.005

* This quantity or a multiple thereof can be ordered.
For other devices and versions, see A&D Mall.

SENTRIC Switch Disconnectors

SENTRIC KA Switch Disconnectors from 63 A to 1000 A

Base mounting

Selection and ordering data

All switch disconnectors have degree of protection IP00
Conductor connecting screws are included in the scope of delivery.

Rated uninter- rupted current I_u	DT	Complete ver- sion with 8UC6 door-coupling rotary operating mechanism (black handle)	PS*	Weight per PU approx.	DT	Basic switch version without handle	PS*	Weight per PU approx.	DT	8UC6 EMER- GENCY-STOP door-coupling rotary operating mechanism (red handle, yellow indicator plate)	PS*	Weight per PU approx.
A		Order No.		kg		Order No.		kg		Order No.		kg
3-pole for motor loads and power distribution												
63		3KA50 30-1EE01	1 unit	1.440	▶	3KA50 30-1AE01	1 unit	0.946	▶	8UC61 21-3BB10	1 unit	0.353
80		3KA51 30-1EE01	1 unit	1.400	▶	3KA51 30-1AE01	1 unit	0.918	▶	8UC61 21-3BB10	1 unit	0.353
125		3KA52 30-1EE01	1 unit	2.380	▶	3KA52 30-1AE01	1 unit	1.880	▶	8UC62 22-3BB20	1 unit	0.426
160		3KA53 30-1EE01	1 unit	2.420	▶	3KA53 30-1AE01	1 unit	2.020	▶	8UC62 22-3BB20	1 unit	0.426
250		3KA55 30-1EE01	1 unit	5.470	▶	3KA55 30-1AE01	1 unit	4.510	▶	8UC63 23-3BB30	1 unit	0.999
400		3KA57 30-1EE01	1 unit	5.550	▶	3KA57 30-1AE01	1 unit	4.630	▶	8UC63 23-3BB30	1 unit	0.999
630		3KA58 30-1EE01	1 unit	6.120	▶	3KA58 30-1AE01	1 unit	5.150	▶	8UC63 23-3BB30	1 unit	0.999
4-pole for power distribution ¹⁾												
63		3KA50 40-1EE01	1 unit	2.490		3KA50 40-1AE01	1 unit	2.100	▶	8UC62 22-3BB20	1 unit	0.426
80		3KA51 40-1EE01	1 unit	2.540		3KA51 40-1AE01	1 unit	2.110	▶	8UC62 22-3BB20	1 unit	0.426
125		3KA52 40-1EE01	1 unit	2.490		3KA52 40-1AE01	1 unit	2.090	▶	8UC62 22-3BB20	1 unit	0.426
160		3KA53 40-1EE01	1 unit	2.450		3KA53 40-1AE01	1 unit	2.240	▶	8UC62 22-3BB20	1 unit	0.426
250		3KA55 40-1EE01	1 unit	6.030		3KA55 40-1AE01	1 unit	5.040	▶	8UC63 23-3BB30	1 unit	0.999
400		3KA57 40-1EE01	1 unit	5.150		3KA57 40-1AE01	1 unit	5.190	▶	8UC63 23-3BB30	1 unit	0.999
630		3KA58 40-1EE01	1 unit	6.590		3KA58 40-1AE01	1 unit	5.740	▶	8UC63 23-3BB30	1 unit	0.999

1) Rated values reduced in the event of strong harmonics caused by frequency converter operation.

Molded-plastic enclosure

Selection and ordering data

Main con- tact ele- ments	Auxiliary contacts	P/AC-23 A at 380 to 400 V	at 660/690 V	I_u	Conductor cross-section for main conductor/PEN	DT		PS*	Weight per PU approx.
		kW	kW	A	mm ²		Order No.		kg
Main control switch complete with rotary operating mechanism, black¹⁾									
3	–	65	110	125	35/35 ²⁾		8HP27 07	1 unit	5.240
		80	150	160	120/70 ²⁾		8HP27 11	1 unit	8.030
		132	220	250	150/70 ²⁾		8HP27 12	1 unit	12.200
		200	375	400	2 × 150 or 1 × 240/120		8HP27 17	1 unit	12.300
		350	375	630	2 × 240/120		8HP27 18	1 unit	13.000
		315	315	800 ³⁾	2 × 240/240		8HP27 38	1 unit	14.200
EMERGENCY-STOP switch complete with rotary operating mechanism, red/yellow¹⁾									
3	–	65	110	125	35/35 ²⁾		8HP27 47	1 unit	5.210
		80	150	160	120/70 ²⁾		8HP27 48	1 unit	7.990
		132	220	250	150/70 ²⁾		8HP27 61	1 unit	12.300
		200	375	400	2 × 150 or 1 × 240/120		8HP27 62	1 unit	12.300
		350	375	630	2 × 240/120		8HP27 63	1 unit	12.800
		315	315	800 ³⁾	2 × 240/240		8HP27 58	1 unit	14.300

1) With PE/ground or neutral terminal.

2) For a fifth conductor, the same terminal can be fitted additionally.

3) At ambient temperature up to 35 °C.

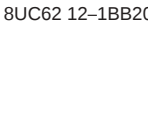
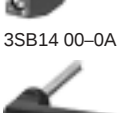
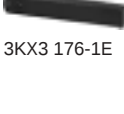
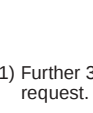
* This quantity or a multiple thereof can be ordered.
For other devices and versions, see A&D Mall.

SENTRIC Switch Disconnectors

SENTRIC KA Switch Disconnectors from 63 A to 1000 A

Accessories

Selection and ordering data

	Version	DT	3KA50/3KA51	PS*	Weight per PU approx.		DT	3KA52/3KA53	PS*	Weight per PU approx.
			Order No.		kg		Order No.		kg	
	Terminal cover for 3-pole devices (1 set = 6 items)		3KX3 552-3DA01	1 set	0.077	▶	3KA52 3KX3 552-3DA01	1 set	0.077	
						▶	3KX3 553-3DA01	1 set	0.147	
	Door-coupling rotary operating mechanism IP65 black handle, shaft 300 mm		3KX3 552-3DB01	1 set	0.102		3KA52 3KX3 552-3DB01	1 set	0.102	
							3KA53 3KX3 553-3DB01	1 set	0.170	
	Door-coupling rotary operating mechanism IP65 EMERGENCY-OFF (yellow/red), shaft 300 mm	▶	8UC61 11-1BB10	1 unit	0.347	▶	8UC62 12-1BB20	1 unit	0.404	
		▶	8UC61 21-3BB10	1 unit	0.353	▶	8UC62 22-3BB20	1 unit	0.426	
	Operating mechanism for fixed mounting black handle, shaft 250 mm	▶	3KX3 516-1AA	1 unit	0.088	▶	3KX3 536-1AA	1 unit	0.155	
	Extension shaft 300 mm long		8UC60 31	1 unit	0.068		8UC60 32	1 unit	0.132	
	Extension shaft 600 mm long		8UC60 81	1 unit	0.136		8UC60 82	1 unit	0.265	
	Shaft connection piece		8UC60 21	1 unit	0.031		8UC60 22	1 unit	0.023	
	Auxiliary switch 1 NO + 1 NC ¹⁾		3SB14 00-0A	1 unit	0.019		3SB14 00-0A	1 unit	0.019	
	Version	DT	3KA55/3KA57/ 3KA58	PS*	Weight per PU approx.					
			Order No.		kg					
	Terminal cover for 3-pole devices (1 set = 6 items)	▶	3KX3 557-3DA01	1 set	0.277					
	Door-coupling rotary operating mechanism IP65 black handle, shaft 300 mm		3KX3 557-3DB01	1 set	0.362					
	Door-coupling rotary operating mechanism IP65 EMERGENCY-OFF (yellow/red), shaft 300 mm	▶	8UC63 13-1BB30	1 unit	0.973					
		▶	8UC63 23-3BB30	1 unit	0.999					
	Operating mechanism for fixed mounting black handle, shaft 250 mm	▶	3KX3 176-1E	1 unit	0.285					
	Extension shaft 300 mm long		8UC60 33	1 unit	0.217					
	Extension shaft 600 mm long		8UC60 83	1 unit	0.430					
	Shaft connection piece		8UC60 23	1 unit	0.085					
	Auxiliary switch 1 NO + 1 NC ¹⁾		3SB14 00-0A	1 unit	0.019					

1) Further 3SB14 00-0 switching elements with other contact types on request.

SENTRIC NP Fuse Switch Disconnectors

For power distribution

Selection and ordering data

	Rated uninter- rupted current I_u A	Conductor connections (on both sides)		For fuse links acc. to DIN 43620 ¹⁾	For isolating links ²⁾	DT	Degree of protection IP00, without fuse links, without isolating links, with terminal screws	PS*	Weight per PU approx. kg
		Connection	For conductor cross- section mm ²						
For surface and flush mounting									
up to 160 A also for snapping onto standard mounting rail									
	160 ³⁾	Box terminal	1.5–50	000 ⁴⁾	00	▶	3NP40 10–0CH01	1 unit	0.512
	160	Flat connector	up to 2 × 70 (M8)	00 and 000	00	▶	3NP40 70–0CA01	1 unit	0.749
		Box terminal	2.5–70 or 2 × 2.5-16			▶	3NP40 70–0CH01	1 unit	0.800
	250	Flat connector	up to 150 (M10)	1 and 0	1 and 0	▶	3NP42 70–0CA01	1 unit	2.430
	400	Flat connector	up to 240 (M10)	2 and 1	2 and 1	▶	3NP43 70–0CA01	1 unit	3.610
	630	Flat connector	up to 2 × 240 (M12)	3 and 2	3 and 2	▶	3NP44 70–0CA01	1 unit	4.980
For snapping onto busbars, 60 mm busbar center-to-center distance									
Busbars with a width of 12 mm to 30 mm and a thickness of 5 mm or 10 mm ⁵⁾ flat, T and I profiles, and on PLS systems from Rittal									
	160 ³⁾	Box terminal ⁶⁾	1.5–50 • Connection from top • Connection from bot- tom	000 ⁴⁾	00	▶	3NP40 16–1CK01 3NP40 16–1CJ01	1 unit 1 unit	0.916 0.950
	160	Flat connector	up to 2 × 70 (M8) • Connection from top • Connection from bot- tom	00 and 000	00	▶	3NP40 76–1CE01 3NP40 76–1CF01	1 unit 1 unit	1.200 1.200
		Box terminal ⁶⁾	2.5–70 or 2 × 2.5-16 • Connection from top • Connection from bot- tom	00 and 000	00	▶	3NP40 76–1CK01 3NP40 76–1CJ01	1 unit 1 unit	1.290 1.240
	250	Flat connector	up to 150 (M10) • Connection from top or bottom	1 and 0	1 and 0	▶	3NP42 76–1CG01	1 unit	3.710
	400	Flat connector	up to 240 (M10) • Connection from top or bottom	2 and 1	2 and 1	▶	3NP43 76–1CG01	1 unit	5.440
	630	Flat connector	up to 2 × 240 (M12) • Connection from top or bottom	3 and 2	3 and 2	▶	3NP44 76–1CG01	1 unit	7.680
With fuse monitoring by SIRIUS circuit-breakers ⁷⁾ ⁸⁾									
For surface and flush mounting									
up to 160 A also for snapping onto standard mounting rail									
	160	Flat connector	up to 2 × 70 (M8)	00 and 000	00		3NP40 70–0FA01	1 unit	1.270
		Box terminal	2.5–70 or 2 × 2.5-16				3NP40 70–0FH01	1 unit	1.350
	250	Flat connector	up to 150 (M10)	1 and 0	1 and 0		3NP42 70–0FA01	1 unit	2.940
	400	Flat connector	up to 240 (M10)	2 and 1	2 and 1		3NP43 70–0FA01	1 unit	4.170
	630	Flat connector	up to 2 × 240 (M12)	3 and 2	3 and 2		3NP44 70–0FA01	1 unit	5.490

For all fuse switch disconnectors with flat connector connection, the appropriate cable lug covers (3NY7 101 bis 3NY7 141) must be used for finger-safe cover acc. to VBG4, see Page 10/9.

- 1) For fuse links, see Page 10/21.
- 2) Insert silver-plated isolating links.
- 3) 125/160 A only possible with 21 mm-wide 3NY1 822 (125 A) and 3NY1 824 (160 A) fuse links, see Accessories on Page 10/9.
- 4) Corresponds to size 00 with a maximum width of 21 mm (acc. to IEC 60269-2-1 and DIN 43620).
- 5) For mounting on only 5 mm thick busbars, a busbar thickness compensator is required for 3NP42 and 3NP43; see Accessories. 3NP44 can only be fitted on 10 mm thick busbars.
- 6) No further cover is required for 3NP40 with box terminal.
- 7) SIRIUS circuit-breaker with auxiliary switch 1 NO + 1 NC as standard.
- 8) For 3NP40 7 with output socket for auxiliary switch, the signal cable must be ordered separately, see Accessories. For 3NP41 to 3NP44, the auxiliary switch must be connected via flat connector 2.8 mm × 0.5 mm acc. to DIN 46244-A.

* This quantity or a multiple thereof can be ordered.
For other devices and versions, see A&D Mall.

SENTRIC NP Fuse Switch Disconnectors

Accessories for power distribution

Selection and ordering data

	For fuse switch dis- connectors	Version	DT	Order No.	PS*	Weight per PU approx. kg	
	Cable lug cover and finger-safe cover acc. to VBG 4 (1 set = 2 units) for 1 setup or 2 adapter units	3NP40 7 with flat connector ¹⁾	▶	3NY7 101	1 set	0.065	
		3NP42 7	▶	3NY7 121	1 set	0.220	
		3NP43	▶	3NY7 131	1 set	0.221	
		3NP44	▶	3NY7 141	1 set	0.319	
	Terminals (1 set = 3 units)						
		3NP42 7		3NY7 120	1 set	0.333	
		3NP43		3NY7 130	1 set	0.583	
		3NP44		3NY7 140	1 set	0.725	
	Triple terminal (1 set=3 units)						
	For fitting to box terminals	3NP40 1, 3NP40 7		3NY7 102	1 set	0.131	
	For fitting to flat connector	3NP40 7		3NY7 105	1 set	0.113	
	Three-phase busbar Modular width 90 mm = 5 MW Permissible connection 25 mm ² or line-side terminal	3NP40 1					
			for $I_{u \max} = 225 \text{ A}$ For 2 switch disconnectors For 3 switch disconnectors For 4 switch disconnectors Connecting bar	3NY1 237 3NY1 238 3NY1 438 3NY1 263	1 unit 1 unit 1 unit 1 unit	0.265 0.434 0.650 0.267	
	Feed-in terminal (1 set = 3 units) for $I_{u \max} = 225 \text{ A}$	3NP40 1		3NY1 236	1 set	0.262	
	Auxiliary switch 1 CO for sizes 000 and 00 with self-tapping screws for sizes 1 to 3 for plugging	3NP40 1 to 3NP44	▶	3NY3 035	1 unit	0.004	
	Electronics-compatible			3NY3 030	1 unit	0.004	
	Fuse links size 000 with non-insulated grip lugs, operational class gL/gG for cable and line protection, width 21 mm to IEC 60269-2-1 and DIN 43620	3NP40 1		3NY1 822 3NY1 824	1 unit 1 unit	0.130 0.129	
Masking frames for mounting in any distribution board²⁾							
	Molded-plastic masking frame						
			Height x width				
		3NP40 1	215 mm × 130 mm		3NY1 251	1 unit	0.052
		3NP40 7 with box terminals	215 mm × 130 mm	▶	3NY7 200	1 unit	0.037
		3NP40 7 with flat connector	215 mm × 130 mm	▶	3NY7 201	1 unit	0.046
		3NP42 7	375 mm × 220 mm	▶	3NY7 220	1 unit	0.112
		3NP43	375 mm × 245 mm		3NY7 230	1 unit	0.117
		3NP44	375 mm × 290 mm		3NY7 240	1 unit	0.125

1) The fuse switch disconnector can be used without difficulty with mounted cable lug cover in conjunction with molded-plastic masking frames for distribution board/equipment panel or incoming-feeder panel in the meter cabinet.

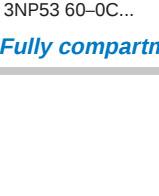
2) To some extent, special masking frames are required for installation in ALPHA wall-mounted, floor-mounted and meter distribution boards (STAB, SIKUS, SIPRO).

SENTRIC NP Fuse Switch Disconnectors

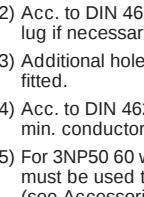
For high technical requirements

Selection and ordering data

Fully compartmented, with high-speed closing

Rated uninter- rupted current I_u	Conductor connections (on both sides)		For fuse links acc. to DIN 43620 ¹⁾	For isolating links ²⁾	Auxiliary switch on the switch dis- connector	DT	Degree of protec- tion IP00, without fuse links, without isolating links, with terminal screws	PS*	Weight per PU approx.
	Connection	For conductor cross-section							
A		mm ²	Size	Size	Version		Order No.		kg
For surface and flush mounting									
 3NP50 60-0C...	160	Flat connector ⁵⁾	2.5–150 ²⁾	00 and 000	00	without ³⁾ 1 NO + 1 NC	▶ 3NP50 60-0CA00 3NP50 60-0CA10	1 unit	1.600
		Terminal clamp	1 conductor 2.5–50 or 2 conductors 1 × 2.5–50 1 × 2.5–35	00 and 000	00	without ³⁾ 1 NO + 1 NC	▶ 3NP50 60-0CB00 3NP50 60-0CB10	1 unit 1 unit	1.650 1.730 1.740
 3NP52 60-0C...	250	Flat connector	6–150 ⁴⁾	1 and 0	1	none 1 NO + 1 NC	▶ 3NP52 60-0CA00 3NP52 60-0CA10	1 unit	5.470
		Terminal clamp	35–120	1 and 0	1	none 1 NO + 1 NC	▶ 3NP52 60-0CB00 3NP52 60-0CB10	1 unit 1 unit	5.490 5.600 5.810
 3NP53 60-0C...	400	Flat connector	6–240 ⁴⁾	2 and 1	2	none 1 NO + 1 NC	▶ 3NP53 60-0CA00 3NP53 60-0CA10	1 unit	6.530
		Terminal clamp	35–120	2 and 1	2	none 1 NO + 1 NC	▶ 3NP53 60-0CB00 3NP53 60-0CB10	1 unit	6.550
 3NP54 60-0C...	630	Flat connector	6–2 × 240 ⁴⁾	3 and 2	3	none 1 NO + 1 NC	▶ 3NP54 60-0CA00 3NP54 60-0CA10	1 unit	7.940
		Terminal clamp	35–120	3 and 2	3	none 1 NO + 1 NC	▶ 3NP54 60-0CB00 3NP54 60-0CB10	1 unit	7.950

Fully compartmented, with high-speed closing with fuse monitoring by SIRIUS circuit-breakers

Rated uninter- rupted current I_u	Conductor connections (on both sides)		For fuse links acc. to DIN 43620 ¹⁾	Auxiliary switch on the switch dis- connector	Auxiliary switch on the circuit- breaker	DT	Degree of protec- tion IP00, without fuse links, without isolating links, with terminal screws	PS*	Weight per PU approx.
	Connection	For conductor cross-section							
A		mm ²	Size	Version	Version		Order No.		kg
For surface and flush mounting									
With plug connection for connecting leads from auxiliary contacts (approx. 1 m long) to the circuit-breaker									
 3NP52 60-0E...	160	Flat connector ⁵⁾	2.5–150 ²⁾	00 and 000	1 NO + 1 NC	1 NO + 1 NC	▶ 3NP50 60-0EA86 3NP50 60-0EB86	1 unit	2.480
		Terminal clamp	1 conductor 2.5–50 or 2 conductors 1 × 2.5–50 1 × 2.5–35	00 and 000	1 NO + 1 NC	1 NO + 1 NC	▶ 3NP50 60-0EB86	1 unit	2.610
 3NP54 60-0E...	250	Flat connector	6–150 ⁴⁾	1 and 0	1 NO + 1 NC	1 NO + 1 NC	▶ 3NP52 60-0EA86 3NP52 60-0EB86	1 unit	6.010
		Terminal clamp	35–120	1 and 0	1 NO + 1 NC	1 NO + 1 NC	▶ 3NP52 60-0EB86	1 unit	7.090
 3NP53 60-0E...	400	Flat connector	6–240 ⁴⁾	2 and 1	1 NO + 1 NC	1 NO + 1 NC	▶ 3NP53 60-0EA86 3NP53 60-0EB86	1 unit	7.080
		Terminal clamp	35–120	2 and 1	1 NO + 1 NC	1 NO + 1 NC	▶ 3NP53 60-0EB86	1 unit	7.090
 3NP54 60-0E...	630	Flat connector	6–2 × 240 ⁴⁾	3 and 2	1 NO + 1 NC	1 NO + 1 NC	▶ 3NP54 60-0EA86 3NP54 60-0EB86	1 unit	8.460
		Terminal clamp	35–120	3 and 2	1 NO + 1 NC	1 NO + 1 NC	▶ 3NP54 60-0EB86	1 unit	8.460

1) For fuse links, see Page 10/21.

2) Acc. to DIN 46234 or 16 mm²–95 mm² acc. to DIN 46235 (use M10 cable lug if necessary).

3) Additional holes on the switch are necessary if the auxiliary switch is retro-fitted.

4) Acc. to DIN 46234 or DIN 46235; with cable lug to DIN 46235: min. conductor cross-section 16 mm² (use M 12 cable lug if necessary).

5) For 3NP50 60 with flat connectors, appropriate 3NY1 106 cable lug covers must be used to provide finger-safe cover, acc. to DIN VDE 0106 Part 100 (see Accessories, Page 10/11).

* This quantity or a multiple thereof can be ordered.
For other devices and versions, see A&D Mail.

SENTRIC NP Fuse Switch Disconnectors

Accessories for high technical requirements

Selection and ordering data

	For fuse switch disconnectors	Height × Width mm	DT	Order No.	PS*	Weight per PU approx. kg
For mounting in any distribution board						
 3NY1 107	Molded-plastic masking frame for mounting in the cabinet	3NP50 with and without auxiliary switch	215 × 135	3NY1 105	1 unit	0.045
		with auxiliary switch	215 × 135	3NY1 115	1 unit	0.044
 3NY1 106	Molded-plastic masking frame for mounting in metal front plates	with and without auxiliary switches	220 × 160	3NY1 125	1 unit	0.062
	Molded-plastic masking frame for covering the connection terminals	3NP50 with and without auxiliary switch	265 × 135	3NY1 107	1 unit	0.073
	Molded-plastic masking frame for covering the cable lug connections	3NP50 with and without auxiliary switch	290 × 135	3NY1 106	1 unit	0.071
	Molded-plastic masking frame for covering the upper and lower cable lug connections separately	with auxiliary switch 3NP50 with and without auxiliary switch	290 × 135 290 × 135	3NY1 116 3NY1 108	1 unit 1 unit	0.071 0.048
 3NY1 212	Installation kit for flush mounting with molded-plastic masking frame, fixing brackets, and small parts	3NP50 60 3NP52 60 3NP53 60 3NP54 60	250 × 149 300 × 220 300 × 245 300 × 290	3NY1 208 3NY1 210 3NY1 211 3NY1 212	1 unit 1 unit 1 unit 1 unit	0.531 0.287 0.298 0.313
	For disconnectors with and without auxiliary switches					
	Cover for cable lug connection (1 set = 6 units) for screwing onto free screw end for protection against inadvertent contact	3NP52 3NP53/3NP54 60	Cover length 99 mm Cover length 95 mm Cover length 120 mm	3NY1 241 3TX6 546-3B 3NY1 245	1 set 1 set 1 set	0.205 0.249 0.336
	Busbar adapter for 60 mm busbar systems	3NP50 3NP52, 3NP53, 3NP54 ¹⁾	108 mm wide 250 mm wide (length 320 mm, terminal screws M 10, connecting leads must be manufactured)	8US12 91-4SB00 8US12 10-4AG00	1 unit 1 unit	0.551 3.060

1) Disconnector is wider than adapter. The adapter can, however, be expanded to 276 mm with 2 8US19 98-2BM00 side modules.

* This quantity or a multiple thereof can be ordered.
For other devices and versions, see A&D Mall.

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SENTRIC KL Switch Disconnectors with Fuses

Surface and flush mounting

Selection and ordering data

All switch disconnectors have degree of protection IP00

Conductor connecting screws and fuse partitions are included in the scope of delivery.

Rated uninterrupted current I_u	Fuse links ¹⁾ acc. to DIN 43620 ²⁾		DT	Complete version with 8UC6 door-coupling rotary operating mechanism (black handle)	PS*	Weight per PU approx.
	Size	Operational class				
A				Order No.		kg
3-pole for LV HRC fuses						
63	00 and 000	gG, aM		3KL50 30-1EB01	1 unit	1.460
125	00 and 000	gG, aM		3KL52 30-1EB01	1 unit	2.410
160	00 and 000	gG, aM		3KL53 30-1EB01	1 unit	2.600
250	1 and 2	gG, aM		3KL55 30-1EB01	1 unit	6.110
400	2 and 1	gG, aM		3KL57 30-1EB01	1 unit	6.060
630	3 and 2	gG, aM		3KL61 30-1EB00	1 unit	18.000
4-pole for LV HRC fuses						
63	00 and 000	gG, aM		3KL50 40-1EB01	1 unit	2.540
125	00 and 000	gG, aM		3KL52 40-1EB01	1 unit	2.620
160	00 and 000	gG, aM		3KL53 40-1EB01	1 unit	2.770
250	1 and 2	gG, aM		3KL55 40-1EB01	1 unit	6.640
400	2 and 1	gG, aM		3KL57 40-1EB01	1 unit	6.880
630	3 and 2	gG, aM		3KL61 40-1EB00	1 unit	16.600
3-pole for fuses to BS 88						
63	Form A2/A3			3KL50 30-1EG01	1 unit	1.450
125	Form A2/A3			3KL52 30-1EG01	1 unit	2.360
125	Form A4			3KL52 30-1EJ01	1 unit	2.400
160	Form A4			3KL53 30-1EJ01	1 unit	2.570
250	Form B1-B3			3KL55 30-1EG01	1 unit	6.110
400	Form B1-B3			3KL57 30-1EG01	1 unit	6.580
630	Form C1-C3			3KL61 30-1EG00	1 unit	16.200



3KL52 30-1AB01



3KL52 40-1AB01



3KL52 30-1AJ01

For fuse monitoring by 5TT3 170 fuse monitor with an isolated alarm contact 1 NO, see A&D Mall.

1) Silver-plated fuse blades.

Silver-plated isolating links can be used if desired.

2) See Page 10/21ff. For use of SITOR semiconductor protection fuse links, see Page 10/17 ff.

SENTRIC KL Switch Disconnectors with Fuses

Surface and flush mounting

All switch disconnectors have degree of protection IP00

Conductor connecting screws and fuse partitions are included in the scope of delivery.

	Rated uninter- rupted current <i>I</i> _u	Fuse links ¹⁾ acc. to DIN 43620 ²⁾	DT	Basic switch version without handle	PS*	Weight per PU approx.	DT	8UC6 EMERGENCY- STOP door-coupling rotary operating mecha- nism (red handle, yellow indi- cator plate)	PS*	Weight per PU approx.
	A	Size	Opera- tional class	Order No.		kg		Order No.		kg
3-pole for LV HRC fuses										
	63	00 and 000	gG, aM	▶ 3KL50 30-1AB01	1 unit	1.050	▶ 8UC61 21-3BB10	1 unit	0.353	
	125	00 and 000	gG, aM	▶ 3KL52 30-1AB01	1 unit	1.980	▶ 8UC62 22-3BB20	1 unit	0.426	
	160	00 and 000	gG, aM	▶ 3KL53 30-1AB01	1 unit	2.200	▶ 8UC62 22-3BB20	1 unit	0.426	
	250	1 and 2	gG, aM	▶ 3KL55 30-1AB01	1 unit	5.710	▶ 8UC63 23-3BB30	1 unit	0.999	
	400	2 and 1	gG, aM	▶ 3KL57 30-1AB01	1 unit	5.400	▶ 8UC63 23-3BB30	1 unit	0.999	
630	3 and 2	gG, aM	3KL61 30-1AB0	1 unit	17.600	▶ 8UC64 24-3BB44	1 unit	1.180		
							▶ +8UC92 53	1 unit	0.115	
4-pole for LV HRC fuses										
	63	00 and 000	gG, aM	3KL50 40-1AB01	1 unit	2.210	▶ 8UC62 22-3BB20	1 unit	0.426	
	125	00 and 000	gG, aM	3KL52 40-1AB01	1 unit	2.190	▶ 8UC62 22-3BB20	1 unit	0.426	
	160	00 and 000	gG, aM	3KL53 40-1AB01	1 unit	2.340	▶ 8UC62 22-3BB20	1 unit	0.426	
	250	1 and 2	gG, aM	3KL55 40-1AB01	1 unit	5.570	▶ 8UC63 23-3BB30	1 unit	0.999	
	400	2 and 1	gG, aM	3KL57 40-1AB01	1 unit	5.670	▶ 8UC63 23-3BB30	1 unit	0.999	
630	3 and 2	gG, aM	3KL61 40-1AB00	1 unit	15.400	▶ 8UC64 24-3BB44	1 unit	1.180		
							▶ +8UC92 53	1 unit	0.115	
3-pole for fuses to BS 88										
	63	Form A2/A3		3KL50 30-1AG01	1 unit	0.993	▶ 8UC61 21-3BB10	1 unit	0.353	
	125	Form A2/A3		3KL52 30-1AG01	1 unit	1.930	▶ 8UC62 22-3BB20	1 unit	0.426	
	125	Form A4		3KL52 30-1AJ01	1 unit	2.030	▶ 8UC62 22-3BB20	1 unit	0.426	
	160	Form A4		3KL53 30-1AJ01	1 unit	2.170	▶ 8UC62 22-3BB20	1 unit	0.426	
	250	Form B1-B3		3KL55 30-1AG01	1 unit	5.140	▶ 8UC63 23-3BB30	1 unit	0.999	
400	Form B1-B3		3KL57 30-1AG01	1 unit	5.660	▶ 8UC63 23-3BB30	1 unit	0.999		
630	Form C1-C3		3KL61 30-1AG00	1 unit	15.000	▶ 8UC64 24-3BB44	1 unit	1.180		
							▶ +8UC92 53	1 unit	0.115	

For fuse monitoring by 5TT3 170 fuse monitor with an isolated alarm contact 1 NO, see A&D Mall.

1) Silver-plated fuse blades.

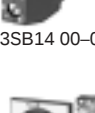
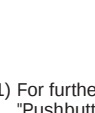
Silver-plated isolating links can be used if desired.

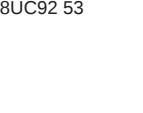
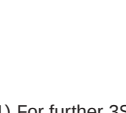
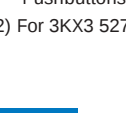
2) See Page 10/21ff. For use of SITOR semiconductor protection fuse links, see Page 10/17 ff.

SENTRIC KL Switch Disconnectors with Fuses

Accessories

Selection and ordering data

	DT	3KL50 30	PS*	Weight per PU approx.	DT	3KL50 40/3KL52/3KL53	PS*	Weight per PU approx.
		Order No.		kg		Order No.		kg
 3KX3 552–	▶	3KX3 552–3DA01	1 set	0.077	▶	3KA52 3KX3 552–3DA01 3KA53	1 set	0.077
		3KX3 552–3DB01	1 set	0.102		3KA52 3KX3 552–3DB01 3KA53	1 set	0.102
 8UC62 12-1BB20	▶	3KX3 517–3AA	1 unit	0.041	▶	3KX3 553–3DA01 3KX3 553–3DB01	1 set	0.147
		3KX3 517–3AA	1 unit	0.071		3KX3 527–3AA	1 unit	0.071
 3KX3 516–1AA	▶	3KX3 507–0AA01	1 set	0.044	▶	3KX3 507–0AA01	1 set	0.044
		3KX3 507–0BA01	1 set	0.033		3KX3 507–0BA01	1 set	0.033
 3KX3 176–1E	▶	8UC61 11–1BB10	1 unit	0.347	▶	8UC62 12–1BB20	1 unit	0.404
		8UC61 21–3BB10	1 unit	0.353		8UC62 22–3BB20	1 unit	0.426
 3KX3 516–1AA	▶	3KX3 516–1AA	1 unit	0.088	▶	3KX3 536–1AA	1 unit	0.155
		3KX3 516–1AA	1 unit	0.088		3KX3 536–1AA	1 unit	0.155
 3KX3 176–1E	▶	8UC60 31	1 unit	0.068	▶	8UC60 32	1 unit	0.132
		8UC60 81	1 unit	0.136		8UC60 82	1 unit	0.265
 3KX3 5.7–3AA	▶	8UC60 21	1 unit	0.031	▶	8UC60 22	1 unit	0.023
		8UC60 21	1 unit	0.031		8UC60 22	1 unit	0.023
 3KX3 507–	▶	3SB14 00–0A	1 unit	0.019	▶	3SB14 00–0A	1 unit	0.019
		3KX3 505–0AA	1 set	0.014		3KX3 505–0AA	1 set	0.014
 3SB14 00–0A	▶	3KX3 505–0AA	1 set	0.014	▶	3KX3 505–0AA	1 set	0.014
		3KX3 505–0AA	1 set	0.014		3KX3 505–0AA	1 set	0.014
 8UC92 53	▶	3KX3 505–0AA	1 set	0.014	▶	3KX3 505–0AA	1 set	0.014
		3KX3 505–0AA	1 set	0.014		3KX3 505–0AA	1 set	0.014
 8UC92 53	▶	3KX3 505–0AA	1 set	0.014	▶	3KX3 505–0AA	1 set	0.014
		3KX3 505–0AA	1 set	0.014		3KX3 505–0AA	1 set	0.014
 8UC92 53	▶	3KX3 505–0AA	1 set	0.014	▶	3KX3 505–0AA	1 set	0.014
		3KX3 505–0AA	1 set	0.014		3KX3 505–0AA	1 set	0.014

	DT	3KL55/3KL57	PS*	Weight per PU approx.	DT	3KL61	PS*	Weight per PU approx.
		Order No.		kg		Order No.		kg
 3SB14 00–0A	▶	3KX3 557–3DA01	1 set	0.277	▶	3KX3 561–3DA01	1 set	0.263
		3KX3 557–3DB01	1 set	0.362		3KX3 561–3DB01	1 set	0.365
 8UC64 14-1BB44	▶	3KX3 557–3AA	1 unit	0.212	▶	3KX3 561–0AA00	1 unit	0.408
		3KX3 557–3AA	1 unit	0.212		3KX3 561–0AA00	1 unit	0.408
 8UC64 14-1BB44	▶	3KX3 557–0AA01	1 set	0.162	▶	–		
		3KX3 557–0AA01	1 set	0.162		–		
 8UC92 53	▶	8UC63 13–1BB30	1 unit	0.973	▶	8UC64 14–1BB44	1 unit	1.170
		8UC63 13–1BB30	1 unit	0.973		+8UC92 53	1 unit	0.115
 8UC92 53	▶	8UC63 23–3BB30	1 unit	0.999	▶	8UC64 24–3BB44	1 unit	1.180
		8UC63 23–3BB30	1 unit	0.999		+8UC92 53	1 unit	0.115
 8UC92 53	▶	3KX3 176–1E	1 unit	0.285	▶	3KX3 616–1A	1 unit	0.490
		3KX3 176–1E	1 unit	0.285		3KX3 616–1A	1 unit	0.490
 8UC92 53	▶	8UC60 33	1 unit	0.217	▶	8UC60 34	1 unit	0.315
		8UC60 83	1 unit	0.430		8UC60 84	1 unit	0.640
 8UC92 53	▶	8UC60 23	1 unit	0.085	▶	8UC60 24	1 unit	0.077
		8UC60 23	1 unit	0.085		8UC60 24	1 unit	0.077
 8UC92 53	▶	3SB14 00–0A	1 unit	0.019	▶	3KX3 612–1A	1 unit	0.201
		3SB14 00–0A	1 unit	0.019		3KX3 612–1A	1 unit	0.201
 8UC92 53	▶	3KX3 505–0AA	1 set	0.014	▶	–		
		3KX3 505–0AA	1 set	0.014		–		
 8UC92 53	▶	3KX3 505–0AA	1 set	0.014	▶	3KX3 505–0AA	1 set	0.014
		3KX3 505–0AA	1 set	0.014		3KX3 505–0AA	1 set	0.014
 8UC92 53	▶	3KX3 505–0AA	1 set	0.014	▶	3KX3 505–0AA	1 set	0.014
		3KX3 505–0AA	1 set	0.014		3KX3 505–0AA	1 set	0.014

1) For further 3SB14 00-0 switching elements with other contact types, see "Pushbuttons and Indicator lights", Section 5.

2) For 3KX3 527–3AA: Not suitable for use with type A BS fuses.

* This quantity or a multiple thereof can be ordered.
For other devices and versions, see A&D Mall.

SENTRIC NJ In-Line Fuse Switch Disconnectors

3-pole operation

Selection and ordering data

Rated uninterrupted current I_{us} For fuse links acc. to DIN 43620	Busbar center- to-center dis- tance	Connection method (terminal screws/ clamp-type terminals included in the scope of sup- ply ¹⁾ , optionally from top or bottom (rotatable!)	For conductor cross-section	DT	Order No.	PS*	Weight per PU approx.
A	Size	mm	mm ²				kg
In-line fuse switch disconnectors, three-pole operation							
160	00 and 000	100	Flat connector M8	–	▶ 3NJ41 03-3BF01	1 unit	1.430
			Clamp-type terminal	1.5 – 70	3NJ41 03-3BK01	1 unit	1.420
			Prismatic-type terminal	10 – 70	3NJ41 03-3BL01	1 unit	1.470
250	1	185	Flat connector M10	–	▶ 3NJ41 23-3BF01	1 unit	5.480
			Stud terminal M12	–	3NJ41 23-3BJ01	1 unit	5.510
			V terminal	25–150 and 185–300	3NJ41 23-3BT01	1 unit	5.900
400	2 and 1	185	Flat connector M12	–	▶ 3NJ41 33-3BF01	1 unit	5.540
			Stud terminal M12	–	3NJ41 33-3BJ01	1 unit	5.580
			V terminal	25–150 and 185–300	3NJ41 33-3BT01	1 unit	5.890
630	3 and 2	185	Flat connector M12	–	▶ 3NJ41 43-3BF01	1 unit	6.420
			Stud terminal M12	–	3NJ41 43-3BJ01	1 unit	6.320
			V terminal	25–150 and 185–300	3NJ41 43-3BT01	1 unit	6.670



3NJ41 03



3NJ41 23, 3NJ41 33,
3NJ41 43

1) Fixing screws should be ordered separately.

SETRIC NJ In-Line Fuse Switch Disconnectors

Accessories

Selection and ordering data

	For in-line fuse switch disconnectors or dimensions	DT	Order No.	PS*	Weight per PU approx. kg
 3NJ49 12-1AA01	Cover¹⁾ size 1 to 3 Additional touch protection when using cable lugs or with terminals from top	3NJ41 2 to 3NJ41 4	▶ 3NJ49 12-1AA01	1 unit	0.103
	Cover size 00 (can also be used as compensating cover) top and bottom (1 set = 2 units: short and long ²⁾) for covering of extended cable lugs and for combining 3NJ41 03 with 3NJ41 2 to 3NJ41 4 in-line disconnectors	3NJ41 03	▶ 3NJ49 12-1DA00	1 set	0.125
 3NJ49 12-1DA00	Adapter for mounting 2 3NJ41 03 in-line disconnectors (= 1 carrier) on busbar system with 185 mm center-to-center distance (with adaptation of mounting depth to the 3NJ41 2 to 3NJ41 4 in-line disconnectors)	3NJ41 03	▶ 3NJ49 18-0DA00	1 unit	0.751
 3NJ59 74-0AB	Busbar support for center-to-center distance 100 mm and 185 mm for plugging busbars	3NJ41 and 3NJ5	▶ 3NJ59 74-0AB	1 unit	0.443
	Saddle terminal assembly kit (1 set = 3 units) connection of Cu 1.5 mm ² to 70 mm ²	3NJ41 03	3NJ49 11-4AA00	1 set	0.041
	Auxiliary switch mounting kit (for sizes 1 to 3 with connecting leads) for 3-pole switchable in-line switch disconnectors only	3NJ41 03 3NJ41 2 to 3NJ41 4	3NJ49 13-0AA00 3NJ49 13-1AA01	1 unit 1 unit	0.005 0.019

- 1) With cable lugs and connection from above, the terminal cover can be extended by connecting two pieces together.
- 2) Can be shortened (in exchange for short cover, included in the scope of supply of the in-line disconnector).

SITOR semiconductor protection fuses

Overview

Acc. to IEC 60269, dimensions acc. to DIN 43620

When SITOR semiconductor protection fuses are used in SENTRIC NP, SENTRIC KL, and 3KM switch disconnectors, a partial reduction of the rated current of the fuse is necessary due to the higher power loss in comparison with LV HRC fuses for line protection. The use of SITOR fuses in switch disconnectors may at times result in current values above the rated currents of the switches. These increased currents occur only when the switch is used with SITOR fuses; they cannot be utilized when the switch is used with standard LV HRC fuses. Details are given in the table below.

When SITOR fuses of types 3NC24, 3NC84, 3NE33, and 3NE43 are used, the switching capacity of the switch disconnectors as specified in the catalog must not be fully utilized, as the blades of these fuses (in contrast to LV HRC line-protection fuses) are slotted. Occasional switching of currents up to the rated currents of the fuses is permissible.

Due to the mechanical stress on the relatively long fuse blades, 3NE41 SITOR fuses should be switchable only occasionally and only at zero current. If it is only permissible to switch at zero current, the switch must be marked accordingly.

The use of SITOR fuses rated above 63 A for overload protection is also not permitted when gR fuses (except 3NE1) are used.

The operating voltage is limited by the rated voltage of the switch disconnector or the fuses. During current-free switching, the limit value is the rated insulation voltage of the switch disconnector.

The 3NE1 "double protection fuses" can be used both as all-range fuses (gR) as well as for semiconductor and lead protection.

Due to the dimensions of SITOR fuses, only the fuses shown in the Selection and ordering data below can be used in the 3NP and 3KL switch disconnectors.

Selection and ordering data

For switch disconnectors				SITOR fuse							
Type	Type	Permissible load current of the SITOR fuse in the switch disconnector ¹⁾	Required conductor cross-section Cu	Size	Operational class	Rated current	Rated voltage	DT	Order No.	PS*	Weight per PU approx.
		A	mm ²			A	V				kg
For SENTRIC 3NP fuse switch disconnectors											
3NP50	3NP40 1, 3NP40 7	16	1,5	000	gR/gS	16	690	▶	3NE1 813-0	9 units	0.127
		20	2,5			20			3NE1 814-0	9 units	0.128
		25	4			25			3NE1 815-0	9 units	0.127
		35	6			35			3NE1 803-0	9 units	0.128
		40	10			40			3NE1 802-0	9 units	0.127
		50	10			50			3NE1 817-0	9 units	0.128
		63	16			63			3NE1 818-0	9 units	0.128
3NP50	3NP40 7	80	25	00	gR/gS	80	690	▶	3NE1 820-0	9 units	0.129
		100	35			100			3NE1 021-0	3 units	0.202
3NP52	3NP42 7	125	50	1	gR/gS	125	690	▶	3NE1 022-0	3 units	0.202
		160	70			160			3NE1 224-0	3 units	0.580
		200	95			200			3NE1 225-0	3 units	0.582
3NP53	3NP43 7	250	120	2	gR/gS	250	690	▶	3NE1 227-0	3 units	0.580
		315	2 × 70			315			3NE1 230-0	3 units	0.581
3NP53	3NP43 7	350	2 × 95	2	gR/gS	350	690	▶	3NE1 331-0	3 units	0.766
		400	2 × 95			400			3NE1 332-0	3 units	0.743
3NP54	3NP44 7, 3NP44 76	450	2 × 120	3	gR/gS	450	690	▶	3NE1 333-0	3 units	0.760
		500 (480) ²⁾	2 × 120			500			3NE1 334-0	3 units	0.766
3NP54	3NP44 70, 3NP44 76	560 (510) ²⁾	2 × 150	3	gR/gS	560	690	▶	3NE1 435-0	1 unit	1.110
		630 (535) ²⁾	2 × 185			630			3NE1 436-0	1 unit	1.110
3NP54	3NP44 70, 3NP44 76	710 (600) ²⁾	2 × (40 × 5)	3	gR/gS	710	690	▶	3NE1 437-0	1 unit	1.110
		690 (570) ²⁾				690			3NE1 437-1	1 unit	1.120
3NP54	3NP44 70, 3NP44 76	800 (630) ²⁾	2 × (50 × 5)	3	gR/gS	800	690	▶	3NE1 438-0	1 unit	1.120
		750 (600) ²⁾				750			3NE1 438-1	1 unit	1.110

1) If a cyclic load is applied, it may be necessary to further reduce the currents (please inquire about precise values).

2) Values in brackets apply to the SENTRIC 3NP4 fuse switch disconnectors.

Fuses

SITOR semiconductor protection fuses

For switch disconnectors			SITOR fuse							
Type	Permissible load current of the SITOR fuse in the switch disconnector ¹⁾	Required conductor cross-section Cu	Size	Operational class	Rated current	Rated voltage	DT	Order No.	PS*	Weight per PU approx.
A	mm ²				A	V				kg
For SENTRIC 3KL5 and 3KL6 switch disconnectors with fuses										
3KL50 30	16	1.5	000	gR/gS	16	690	▶	3NE1 813-0	9 units	0.127
	20	2.5			20			3NE1 814-0	9 units	0.128
	25	4			25			3NE1 815-0	9 units	0.127
	35	6			35			3NE1 803-0	9 units	0.128
	40	10	gR/gS	40	690	▶	3NE1 802-0	9 units	0.127	
	50	10		50			3NE1 817-0	9 units	0.128	
	63	16		63			3NE1 818-0	9 units	0.128	
	80	25		80			3NE1 820-0	9 units	0.129	
3KL52 30	100	35	00	gR/gS	100	690	▶	3NE1 021-0	3 units	0.202
	125	50			125			3NE1 022-0	3 units	0.202
3KL55 30	160	70	1	gR/gS	160	690	▶	3NE1 224-0	3 units	0.580
	200	95			200			3NE1 225-0	3 units	0.582
	250	120			250			3NE1 227-0	3 units	0.580
3KL57 30	315	2 × 70		gR/gS	315		▶	3NE1 230-0	3 units	0.581
3KL57, 3KL61 30	350	2 × 95	2	gR/gS	350	690	▶	3NE1 331-0	3 units	0.766
	400				400			3NE1 332-0	3 units	0.743
3KL61 30	450	2 × 120		gR/gS	450		▶	3NE1 333-0	3 units	0.760
	500				500			3NE1 334-0	3 units	0.766
3KL61 30	560	2 × 150	3	gR/gS	560	690	▶	3NE1 435-0	1 unit	1.110
	630	2 × 185			630			3NE1 436-0	1 unit	1.110
3KL61 30	710	2 × (40 × 5)	3	gR/gS	710	690	▶	3NE1 437-0	1 unit	1.110
	690				600			3NE1 437-1	1 unit	1.120
3KL61 30	800	2 × (50 × 5)	3	gR/gS	800	690	▶	3NE1 438-0	1 unit	1.120
	750				600			3NE1 438-1	1 unit	1.110

1) If a cyclic load is applied, it may be necessary to further reduce the currents (please inquire about precise values).

SITOR semiconductor protection fuses

For switch disconnectors			SITOR fuse							
Type	Permissible load current of the SITOR fuse in the switch disconnector ¹⁾	Required conductor cross-section Cu	Size	Operational class	Rated current	Rated voltage ²⁾	DT	Order No.	PS*	Weight per PU approx.
A	mm ²				A	V				kg
For SENTRIC NP fuse switch disconnectors										
3NP40 7, 3NP50 (3NP40 76)	25	4	00	gR	25	690	▶	3NE8 015-1	1 unit	0.205
	33	6			35			3NE8 003-1	1 unit	0.204
	45	10			50			3NE8 017-1	1 unit	0.203
	54	16			63			3NE8 018-1	1 unit	0.205
	68	25	aR		80	690	▶	3NE8 020-1	1 unit	0.203
	85	35			100			3NE8 021-1	1 unit	0.205
	106 (100)	50			125			3NE8 022-1	1 unit	0.213
	130 (125)	70			160			3NE8 024-1	1 unit	0.207
3NP42, 3NP52	32	6	0 ³⁾	gR	32	1000	▶	3NE4 101	1 unit	0.278
	38, 40	10			40			3NE4 102	1 unit	0.277
	45, 50	10			50			3NE4 117	1 unit	0.276
	59, 63	16			63			3NE4 118	1 unit	0.279
	76, 80	25	aR		80	1000	▶	3NE4 120	1 unit	0.276
	90, 95	35			100			3NE4 121	1 unit	0.278
	115, 120	50			125			3NE4 122	1 unit	0.279
	144, 150	70			160			3NE4 124	1 unit	0.279
	100 (100)	35	1	aR	100	1000	▶	3NE3 221	1 unit	0.580
	120 (125)	50			125			3NE3 222	1 unit	0.568
	150 (160)	70			160			3NE3 224	1 unit	0.573
	190 (200)	95			200			3NE3 225	1 unit	0.570
3NP43 7, 3NP53 (3NP43 76)	230 (250)	120		aR	250	1000	▶	3NE3 227	1 unit	0.580
	270, 285 (285)	185			315			3NE3 230-0B	1 unit	0.585
	290, 310 (310)	240			350			3NE3 231	1 unit	0.590
	310, 330 (330)	240			400			3NE3 232-0B	1 unit	0.576
3NP44 7, 3NP54 (3NP44 76)	330, 360 (360)	2 × 150	2	aR	450	1000	▶	3NE3 233	1 unit	0.720
	345 (340)	240			400			3NE3 332-0B	1 unit	0.759
	385 (370)	2 × 150			450			3NE3 333	1 unit	0.748
	430, 450 (410)	2 × 150			500			3NE3 334-0B	1 unit	0.753
	490, 510 (450)	2 × 185	aR		560	1000	▶	3NE3 335	1 unit	0.756
	560, 580 (500)	2 × 185			630			3NE3 336	1 unit	0.760
	590, 630 (510)	2 × 200			710			3NE3 337-8	1 unit	0.762
	605, 630 (520)	2 × 200			800			3NE3 338-8	1 unit	0.764
	630, 630 (530)	2 × (50 × 5)			900			3NE3 340-8	1 unit	0.753
	205, 210 (235)	120	aR		250	800	▶	3NE4 327-0B	1 unit	0.753
	260, 270 (280)	240			315			3NE4 330-0B	1 unit	0.760
	375, 400 (390)	2 × (30 × 5)			450			3NE4 333-0B	1 unit	0.760
3NP44 7, 3NP54 (3NP44 76)	410, 450 (415)	2 × (30 × 5)	aR		500	800	▶	3NE4 334-0B	1 unit	0.754
	540, 600 (480)	2 × (40 × 5)			710			3NE4 337	1 unit	0.761
3NP44 7, 3NP54 (3NP44 76)	140, 145 (140)	70	3	gR	150	500	▶	3NC2 423-3	3 units	1.060
	175, 180 (175)	95			200			3NC2 425-3	3 units	1.050
	220, 225 (215)	120			250			3NC2 427-3	3 units	1.060
	250, 255 (245)	185	gR		300	500	▶	3NC2 428-3	3 units	1.070
	320, 330 (315)	240			350			3NC2 431-3	3 units	1.050
	370, 400 (360)	240			400			3NC2 432-3	3 units	1.060
	120, 135 (120)	70	gR		150	660	▶	3NC8 423-3	3 units	1.060
	160, 180 (155)	95			200			3NC8 425-3	3 units	1.060
	200, 225 (195)	120			250			3NC8 427-3	3 units	1.060
	270, 300 (260)	240			350			3NC8 431-3	3 units	1.070
	385, 425 (375)	2 × 150			500			3NC8 434-3	3 units	1.060

1) If a cyclic load is applied, it may be necessary to further reduce the currents (please inquire about precise values).

2) If overvoltage category 2 (instead of 3) and pollution degree 2 (instead of 3) in accordance with EN 60947-1 is maintained, the rated insulation voltage of the SENTRIC 3NP switch disconnectors also amounts to $U_i = 1000$ V.

3) Due to the mechanical stress on the relatively long fuse blades, 3NE41 SITOR fuses should be switchable only occasionally and only at zero current.

Fuses

SITOR semiconductor protection fuses

For switch disconnectors			SITOR fuse							
Type	Permissible load current of the SITOR fuse in the switch disconnector ¹⁾	Required conductor cross-section Cu	Size	Operational class	Rated current	Rated voltage	DT	Order No.	PS*	Weight per PU approx.
	A	mm ²			A	V				kg
For SENTRIC 3KL5 and 3KL6 switch disconnectors with fuses										
3KL50	25	4	00	gR	25	690	▶	3NE8 015-1	1 unit	0.205
	33	6			35		▶	3NE8 003-1	1 unit	0.204
	45	10			50		▶	3NE8 017-1	1 unit	0.203
	54	16			63		▶	3NE8 018-1	1 unit	0.205
3KL52	68	25		aR	80	690	▶	3NE8 020-1	1 unit	0.203
	89	35			100		▶	3NE8 021-1	1 unit	0.205
	105	50			125		▶	3NE8 022-1	1 unit	0.213
	130	70			160		▶	3NE8 024-1	1 unit	0.207
3KL55	32	6	0	gR	32	1000	▶	3NE4 101	1 unit	0.278
	40	10			40		▶	3NE4 102	1 unit	0.277
	50	10			50		▶	3NE4 117	1 unit	0.276
	63	16			63		▶	3NE4 118	1 unit	0.279
	80	25		aR	80	1000	▶	3NE4 120	1 unit	0.276
	95	35			100		▶	3NE4 121	1 unit	0.278
	120	50			125		▶	3NE4 122	1 unit	0.279
	150	70			160		▶	3NE4 124	1 unit	0.279
3KL55	90	35	1	aR	100	1000	▶	3NE3 221	1 unit	0.580
	110	50			125		▶	3NE3 222	1 unit	0.568
	140	70			160		▶	3NE3 224	1 unit	0.573
	175	95			200		▶	3NE3 225	1 unit	0.570
	210	120			250		▶	3NE3 227	1 unit	0.580
3KL57	240	185		aR	315	1000	▶	3NE3 230-0B	1 unit	0.585
	265	240			350		▶	3NE3 231	1 unit	0.590
	290	240			400		▶	3NE3 232-0B	1 unit	0.576
	320	2 × 150			450		▶	3NE3 233	1 unit	0.720
3KL61	340	240	2	aR	400	1000	▶	3NE3 332-0B	1 unit	0.759
	380	2 × 150			450		▶	3NE3 333	1 unit	0.748
	440	2 × 150			500		▶	3NE3 334-0B	1 unit	0.753
	500	2 × 185			560		▶	3NE3 335	1 unit	0.756
	540	2 × 185		aR	630	1000	▶	3NE3 336	1 unit	0.760
	600	2 × 200			710		▶	3NE3 337-8	1 unit	0.762
	630	2 × 200			800		▶	3NE3 338-8	1 unit	0.764
	630	2 × (50 × 5)			900		▶	3NE3 340-8	1 unit	0.753
3KL61	200	120		aR	250	800	▶	3NE4 327-0B	1 unit	0.753
	260	240			315		▶	3NE4 330-0B	1 unit	0.760
	370	240 or 40 × 8			450		▶	3NE4 333-0B	1 unit	0.760
	425	2 × (30 × 5)			500		▶	3NE4 334-0B	1 unit	0.754
	600	2 × (40 × 5)			710		▶	3NE4 337	1 unit	0.761
3KL61	145	70	3	gR	150	500	▶	3NC2 423-3	3 units	1.060
	180	95			200		▶	3NC2 425-3	3 units	1.050
	225	120			250		▶	3NC2 427-3	3 units	1.060
	255	185		gR	300	500	▶	3NC2 428-3	3 units	1.070
	330	240			350		▶	3NC2 431-3	3 units	1.050
	400	240			400		▶	3NC2 432-3	3 units	1.060
	135	70		gR	150	660	▶	3NC8 423-3	3 units	1.060
	180	95			200		▶	3NC8 425-3	3 units	1.060
	225	120			250		▶	3NC8 427-3	3 units	1.060
	300	240			350		▶	3NC8 431-3	3 units	1.070
	425	2 × 150			500		▶	3NC8 434-3	3 units	1.060

1) If a cyclic load is applied, it may be necessary to further reduce the currents (please inquire about precise values).

* This quantity or a multiple thereof can be ordered.
For other devices and versions, see A&D Mall.

Selection and ordering data

	Size	Width	Rated current I_n	Rated voltage U_N	DT	Non-insulated grip lugs	PS*	Weight per PU approx.	DT	Insulated grip lugs	PS*	Weight per PU approx.
		mm	A	V		Order No.		kg		Order No.		kg
LV HRC fuse links with combination alarm (center indicator and end indicator)												
	000	21	10	AC 500 V, DC 250 V		3NA7 803	9 units	0.135		3NA6 803	9 units	0.136
			16			3NA7 805	9 units	0.135		3NA6 805	9 units	0.136
			20			3NA7 807	9 units	0.135		3NA6 807	9 units	0.136
			25			3NA7 810	9 units	0.135		3NA6 810	9 units	0.136
			32			3NA7 812	9 units	0.135		3NA6 812	9 units	0.136
			35			3NA7 814	9 units	0.135		3NA6 814	9 units	0.136
			40			3NA7 817	9 units	0.135		3NA6 817	9 units	0.136
			50			3NA7 820	9 units	0.135		3NA6 820	9 units	0.136
			63			3NA7 822	9 units	0.135		3NA6 822	9 units	0.136
			80			3NA7 824	9 units	0.135		3NA6 824	9 units	0.136
			100			3NA7 830	9 units	0.135		3NA6 830	9 units	0.136
	00	30	80	AC 500 V, DC 250 V		3NA7 824-7	3 units	0.200		3NA6 824-7	3 units	0.211
			100			3NA7 830-7	3 units	0.200		3NA6 830-7	3 units	0.211
			125			3NA7 832	3 units	0.200		3NA6 832	3 units	0.211
			160			3NA7 836	3 units	0.200		3NA6 836	3 units	0.211
	1	30	16	AC 500 V, DC 440 V		3NA7 105	3 units	0.290		3NA6 105	3 units	0.290
			20			3NA7 107	3 units	0.290		3NA6 107	3 units	0.290
			25			3NA7 110	3 units	0.290		3NA6 110	3 units	0.290
			35			3NA7 114	3 units	0.290		3NA6 114	3 units	0.290
			40			3NA7 117	3 units	0.290		3NA6 117	3 units	0.290
			50			3NA7 120	3 units	0.290		3NA6 120	3 units	0.290
			63			3NA7 122	3 units	0.290		3NA6 122	3 units	0.290
			80			3NA7 124	3 units	0.290		3NA6 124	3 units	0.290
			100			3NA7 130	3 units	0.290		3NA6 130	3 units	0.290
			125			3NA7 132	3 units	0.290		3NA6 132	3 units	0.290
			160			3NA7 136	3 units	0.290		3NA6 136	3 units	0.290
			200			3NA7 140	3 units	0.424		3NA6 140	3 units	0.440
			224			3NA7 142	3 units	0.434		3NA6 142	3 units	0.440
			250			3NA7 144	3 units	0.438		3NA6 144	3 units	0.440
	2	47.2	35	AC 500 V, DC 440 V		3NA7 214	3 units	0.445		3NA6 214	3 units	0.450
			50			3NA7 220	3 units	0.445		3NA6 220	3 units	0.450
			63			3NA7 222	3 units	0.445		3NA6 222	3 units	0.450
			80			3NA7 224	3 units	0.450		3NA6 224	3 units	0.450
			100			3NA7 230	3 units	0.446		3NA6 230	3 units	0.450
			125			3NA7 232	3 units	0.446		3NA6 232	3 units	0.450
			160			3NA7 236	3 units	0.446		3NA6 236	3 units	0.450
			200			3NA7 240	3 units	0.446		3NA6 240	3 units	0.450
			224			3NA7 242	3 units	0.446		3NA6 242	3 units	0.450
			250			3NA7 244	3 units	0.446		3NA6 244	3 units	0.450
			315			3NA7 252	3 units	0.649		3NA6 252	3 units	0.660
			400			3NA7 260	3 units	0.653		3NA6 260	3 units	0.660

Note: LV HRC fuse links of size 000 can be fitted in LV HRC fuse bases, LV HRC fuse switch disconnectors, LV HRC fuse blocks, and LV HRC in-lines fuse switch disconnectors of sizes 000 and 00.

Fuses

BETA LV HRC fuses

Selection and ordering data

Size	Width	Rated current I_n	Rated voltage U_N	DT	Non-insulated grip lugs	PS*	Weight per PU approx.	DT	Insulated grip lugs	PS*	Weight per PU approx.
		A	V		Order No.		kg		Order No.		kg
LV HRC fuse links with combination alarm (center indicator and end indicator)											
- Operational class gG for all-range cable and conductor protection - Finely graded selectivity - Rated breaking capacity AC 120 kA											
	21	10	AC 500 V, DC 250 V		3NA3 803	9 units	0.133		3NA2 803	9 units	
		16			3NA3 805	9 units	0.133		3NA2 805	9 units	
		20			3NA3 807	9 units	0.133		3NA2 807	9 units	
		25			3NA3 810	9 units	0.133		3NA2 810	9 units	
		32			3NA3 812	9 units	0.133		3NA2 812	9 units	
		35			3NA3 814	9 units	0.133		3NA2 814	9 units	
		40			3NA3 817	9 units	0.133		3NA2 817	9 units	
		50			3NA3 820	9 units	0.133		3NA2 820	9 units	
		63			3NA3 822	9 units	0.133		3NA2 822	9 units	
		80			3NA3 824	9 units	0.133		3NA2 824	9 units	
	30	100	AC 500 V, DC 250 V		3NA3 824-7	3 units	0.200		–		
		125			3NA3 830-7	3 units	0.200		–		
		160			3NA3 832	3 units	0.217		3NA2 832	3 units	
					3NA3 836	3 units	0.217		3NA2 836	3 units	
	30	16	AC 500 V, DC 440 V		3NA3 105	3 units	0.290		3NA2 105	3 units	
		20			3NA3 107	3 units	0.290		3NA2 107	3 units	
		25			3NA3 110	3 units	0.290		3NA2 110	3 units	
		35			3NA3 114	3 units	0.300		3NA2 114	3 units	
		40			3NA3 117	3 units	0.300		3NA2 117	3 units	
		50			3NA3 120	3 units	0.300		3NA2 120	3 units	
		63			3NA3 122	3 units	0.300		3NA2 122	3 units	
		80			3NA3 124	3 units	0.300		3NA2 124	3 units	
		100			3NA3 130	3 units	0.300		3NA2 130	3 units	
		125			3NA3 132	3 units	0.300		3NA2 132	3 units	
		160			3NA3 136	3 units	0.300		3NA2 136	3 units	
		200			3NA3 140	3 units	0.440		3NA2 140	3 units	
	47.2	224	AC 500 V, DC 440 V		3NA3 142	3 units	0.440		3NA2 142	3 units	
		250			3NA3 144	3 units	0.440		3NA2 144	3 units	
		35			3NA3 214	3 units	0.453		3NA2 214	3 units	
		50			3NA3 220	3 units	0.453		3NA2 220	3 units	
		63			3NA3 222	3 units	0.453		3NA2 222	3 units	
		80			3NA3 224	3 units	0.453		3NA2 224	3 units	
		100			3NA3 230	3 units	0.453		3NA2 230	3 units	
		125			3NA3 232	3 units	0.453		3NA2 232	3 units	
		160			3NA3 236	3 units	0.453		3NA2 236	3 units	
		200			3NA3 240	3 units	0.453		3NA2 240	3 units	
		224			3NA3 242	3 units	0.453		3NA2 242	3 units	
		250			3NA3 244	3 units	0.453		3NA2 244	3 units	
		315			3NA3 252	3 units	0.647		3NA2 252	3 units	
		400			3NA3 260	3 units	0.647		3NA2 260	3 units	

Note: LV HRC fuse links of size 000 can be fitted in LV HRC fuse bases, LV HRC fuse switch disconnectors, LV HRC fuse blocks, and LV HRC in-lines fuse switch disconnectors of sizes 000 and 00.

Fuse links mounting width 21 mm for 125 A and 160 A (3NY1 822 and 3NY1 824), see Page 10/9.

* This quantity or a multiple thereof can be ordered.
For other devices and versions, see A&D Mall.