

# SENTRIC NP Fuse Switch Disconnectors

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

## General data

## Technical specifications

Standards		IEC 60947-1, IEC 60947-3, VDE 0660 Part 107				
Type		3NP40 1	3NP40 7	3NP42 7	3NP43 7	3NP44 7
<b>Rated uninterrupted current <math>I_u</math></b> For fuse links acc. to DIN 43620	A Size	160 <sup>1)</sup> 00C/000	160 00	250 1 and 0	400 2 and 1	630 3 and 2
<b>Conventional thermal current <math>I_{th}</math></b>	A	160 <sup>1)</sup>	160	250	400	630
<b>Rated operating voltage <math>U_e</math></b> AC 50 Hz/60 Hz DC	V	690		690 440		
		(3 conducting paths series-connected)		(2 conducting paths series-connected)		
<b>Rated insulation voltage <math>U_i</math></b>	V	690	690	800 <sup>3)</sup>	800 <sup>3)</sup>	800 <sup>3)</sup>
<b>Rated impulse withstand voltage <math>U_{imp}</math></b>	kV	6	6	6	6	6
<b>Rated conditional short-circuit current with fuses</b> (on rapid closing)						
with fuse links						
Rated current at AC 400 V (690 V)	Size/A kA (rms value)	000/100 (35) 50 (50)	00/160 50	1/250 50	2/400 50	3/630 50
Maximum permissible let-through $I^2t$ value	kA <sup>2</sup> s	56 (7.8)	158	551	1515	4340
Permissible let-through current of the fuse	kA (peak value)	11 (5)	15	25	35	55
<b>Short-circuit strength with fuses</b> (with closed disconnector)						
with fuse links						
Rated current at 690 V	Size/A kA (rms value)	000/100 100	00/160 50	1/250 50	2/400 50	3/630 50
Permissible let-through current of the fuse	kA (peak value)	15	15	25	35	55
<b>Rated making and switching capacity</b> (Feed-in from top or bottom)						
at AC 400 V, with fuse links or isolating links	Size	000	00	1	2	3
Rated breaking current $I_c$ (p.f. = 0.35)	A (rms value)	800 (p.f. = 0.45)	800	2000	3200	5040
Rated operating current $I_e$ with AC-21B, AC-22B, AC-23B	A	160 100	160 100	250 250	400 400	630 630
at AC 500 V, with fuse links or isolating links	Size	000	00	1	2	3
Rated breaking current $I_c$ (p.f. = 0.35)	A (rms value)	320 (p.f. = 0.45)	320	750	1200	1890
Rated operating current $I_e$ with AC-21B, AC-22B, AC-23B	A	160 100 40	160 100 40	250 250 -	400 400 -	630 630 -
at AC 690 V, with fuse links or isolating links	Size	000	00	1	2	3
Rated breaking current $I_c$ (p.f. = 0.35)	A (rms value)	200/240 (p.f. = 0.45/0.95)	200/240 (p.f. = 0.45/0.95)	375	600	945
Rated operating current $I_e$ with AC-21B, AC-22B, AC-23B	A	160 50 25	160 50 25	250 - -	400 - -	630 - -
at DC 220 V/240 V, with fuse links <sup>2)4)5)</sup> or isolating links	Size	000	00	1	2	3
Rated operating current $I_e$ with 220 V DC-23B/DC-21B, 440 V DC-21B	A	80/160 -	80/160 -	- 250	- 400	- 630

- 125/160 A only with 3NY1 236 line-side terminals and with 21 mm wide 3NY1 822 (125 A) and 3NY1 824 (160 A) fuse links; see Accessories.
- For no-load switching (AC-20 B, DC-20 B) DC voltages up to DC 690 V can be applied.
- For safety monitoring max. 690 V.
- With pollution degree 2, the disconnectors up to 1000 V AC-20 B, DC-20 B (no-load switching) can be used.
- Conducting paths in series: 3 with 3NP40; 2 with 3NP42, 3NP43 and 3NP44.

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## General data

Standards		IEC 60947-1, IEC 60947-3, VDE 0660 Part 107				
Type		3NP40 1	3NP40 7	3NP42 7	3NP43 7	3NP44 7
<b>Capacitance switching capacity</b>						
at AC 400 V						
Reactive power	kvar	50	50	–	–	–
Rated current $I_n$	A	72	72	–	–	–
at AC 525 V						
Reactive power	kvar	50	50	–	–	–
Rated current $I_n$	A	55	55	–	–	–
<b>Permissible ambient temperature</b>		°C –25 ... +55 <sup>1)</sup> in operation, –50 ... +80 when stored				
<b>Mechanical endurance</b>		Oper. cycles	2000	2000	1600	1000
<b>Degree of protection</b> (with respect to the operator side)						
Without molded-plastic masking frame/cable lug cover		IP00 (3NP40 with box terminal and properly connected conductors: IP20)				
With molded-plastic masking frame/cable lug cover		IP30 (switch closed), IP20 (switch open)				
<b>Power loss of the switch at <math>I_{th}</math></b> (plus power loss of the fuse links)						
Without busbar adapter	W	4.5 (at 100 A)	10	15	30	47
With busbar adapter	W	8.5 (at 100 A)	20	47	83	127
<b>Main conductor connection</b>						
Flat connector for cable lug, max. conductor cross-section (stranded)	mm <sup>2</sup>	–	up to 2 × 70 (M 8)	up to 150 (M 10)	up to 240 (M 10)	up to 2 × 240 (M 12)
Box terminal/connection terminal (finely stranded with end sleeve)	mm <sup>2</sup>	1.5–50 (35)	2.5–70 (50)	70–150	120–240	150–300
Conductor bar (width x thickness)	mm	–	22 × 5	22–30 × 5–10	22–30 × 5–10	25–40 × 5–10
Laminated Cu strips, not perforated, in terminals (width x thickness)	mm	8 × 8	up to 9 × 8	up to 16 × 8	up to 20 × 10	up to 24 × 10
<b>Tightening torque for terminal screws</b>						
For flat connector	Nm	–	10–12	25	25	30
With SIGUT box terminal/connection terminal	Nm	3–3.5	8–10	6	8	8
<b>Auxiliary switch 1 CO</b> (accessory)						
<b>3NY3 035</b> AC 50 Hz/60 Hz to 230 V rated operating current $I_e$ with AC-14	A	0.25 ( $I_{th} = 5$ A), at DC 24 V: $I_e = 0.45$ A; flat connector to DIN 46244: A 2.8 × 0.5				
<b>3NY3 030</b> AC 50 Hz/60 Hz to 230 V rated operating current $I_e$ with AC-13	A	0.1 ( $I_{th} = 0.1$ A); plug-in sleeve to DIN 46245: A 2.8 – 1				
Permissible mounting position		Vertical or horizontal (no reduction in specified switching capacity)				

1) Only with isolating links; otherwise note the information from the fuse manufacturer.

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## General data

Standards		IEC 60947-1, IEC 60947-3, VDE 0660 Part 107						
Type		3NP50	3NP52	3NP53	3NP54			
<b>Rated uninterrupted current <math>I_u</math></b> For fuse links acc. to DIN 43620 (The use of semiconductor protection fuse links requires a reduction of rated current – see Page 13/54 and Catalog DA 94.1)	A Size	160 00	250 1 and 0	400 2 and 1	630 3 and 2			
<b>Continuous thermal current <math>I_{th}</math></b>	A	160	250	400	630			
<b>Rated operating voltage <math>U_e</math></b> AC 50 Hz/60 Hz DC	V	690	440 (3 conducting paths series-connected), 220 (2 conducting paths series-connected and with fuse monitoring through 3RV)					
<b>Rated insulation voltage <math>U_i</math></b>	V	690 <sup>1)</sup>	690 <sup>1)</sup>	690 <sup>1)</sup>	690 <sup>1)</sup>			
<b>Rated impulse withstand voltage <math>U_{imp}</math></b>	kV	6	6	6	6			
<b>Rated conditional short-circuit current with fuses</b> (on rapid closing)								
with fuse links								
Rated current at AC 500 V	Size/A kA (rms value)	00/160 50	1/250 50	2/400 50	3/630 50			
Permissible let-through current of the fuses	kA (peak value)	15	25	40	50			
<b>Short-circuit strength with fuses</b> (with closed switch)								
with fuse links								
Rated current at AC 500 V	Size/A kA (rms value)	00/160 100	1/250 100	2/400 50	3/630 50			
Maximum permissible let-through $I^2t$ value	kA <sup>2</sup> s	223	780	2150	5400			
Permissible let-through current of the fuses	kA (peak value)	23	32	40	60			
<b>Rated short-circuit making capacity with isolating links<sup>2)</sup></b> at AC 500 V	Size kA (peak value)	00 6	1 17	2 17	3 17			
<b>Rated making and switching capacity<sup>2)</sup></b> (feed-in from top or bottom) <sup>3)</sup>								
at AC 400 V, with fuse links	Size	00	1	0	2	1	3	2
Breaking current $I_c$ (p.f. = 0.35)	A (rms value)	1600	2500	1600	4000	2500	5040	4000
Rated operating current $I_e$ with AC-21B, AC-22B, AC-23B	A	160	250	160	400	250	630	400
at AC 500 V, with fuse links								
Breaking current $I_c$ (p.f. = 0.35)	A (rms value)	1300	2500	1600	4000	2500	5040	4000
Rated operating current $I_e$ with AC-21B, AC-22B, AC-23B	A	160	250	160	400	250	400	400
at AC 690 V, with fuse links								
Breaking current $I_c$ (p.f. = 0.35)	A (rms value)	800	1280	1000	2520	1600	3200	2520
Rated operating current $I_e$ with AC-21B, AC-22B, AC-23B	A	160 100	250 160	160 125	400 315	250 200	630 400	400 315
at DC 220 V, with fuse links								
Breaking current $I_c$ ( $L/R = 15$ ms)	A	640	1000	640	1600	1600	2520	1600
Rated operating current $I_e$ with DC-23B	A	160	250	160	250	250	400	400
<b>Switching capacity with isolating links<sup>4)</sup></b> (feed-in from top or bottom) <sup>4)</sup>								
at AC 400 V, with isolating links	Size	00	1	2			3	
Breaking current $I_c$ (p.f. = 0.35)	A (rms value)	1600	2500	2500			4000	
Rated operating current $I_e$ with AC-21B, AC-22B, AC-23B	A	160 160	250 250	400 315			630 500	
at AC 500 V, with isolating links								
Breaking current $I_c$ (p.f. = 0.35)	A (rms value)	1300	2500	2500			4000	
Rated operating current $I_e$ with AC-21B, AC-22B, AC-23B	A	160 160	250 250	400 315			630 500	
at AC 690 V, with isolating links								
Breaking current $I_c$ (p.f. = 0.35)	A (rms value)	800	1280	1600			2520	
Rated operating current $I_e$ with AC-21B, AC-22B, AC-23B	A	160 100	250 160	400 200			630 315	
at DC 220 V, with isolating links								
Breaking current $I_c$ ( $L/R = 15$ ms)	A	640	1000	1600			1600	
Rated operating current $I_e$ with DC-23B	A	160	200	400			400	
<b>Switching capacity with horizontal mounting</b> up to 690 V AC-22B		No reduction in specified switching capacity (Values for AC-23B up to 690 V on request)						

1) When observing pollution degree 2 (instead of 3) operation is also possible up to  $U_i = 1000$  V.

2) Rated making and breaking current to IEC 60947-3  
 Rated making current  $I = 10 \times I_e$  (AC-23);  $3 \times I_e$  (AC-22);  
 $1.5 \times I_e$  (AC-21)  
 Rated breaking current  $I_e = 8 \times I_e$  (AC-23);  $3 \times I_e$  (AC-22);  
 $1.5 \times I_e$  (AC-21)

3) When using electronic fuse monitoring, feed-in must be from the top.

4) Insert silver-plated isolating links.

Type	3NP50	3NP52	3NP53	3NP54
<b>Capacitance switching capacity</b>				
at AC 400 V				
Reactive power	kvar 80	90	150	250
Rated current $I_n$	A 116	130	216	361
at AC 525 V				
Reactive power	kvar 100	125	200	300
Rated current $I_n$	A 110	137	220	330
<b>Permissible ambient temperature</b>	°C -25 ... +55 in operation <sup>1)</sup> , -50 ... +80 when stored			
<b>Mechanical endurance</b>	Oper. cycles 1600			
<b>Degree of protection</b>				
Without molded-plastic masking frame	IP00 <sup>2)</sup>			
With molded-plastic masking frame and closed fuse carrier from the operator side	IP30			
With open fuse carrier	IP10			
<b>Power loss of the switch at <math>I_{th}</math></b> (plus power loss of the fuse links) without busbar adapter	W	7.8 (16.3) <sup>3)</sup>	7.5	15
<b>Main conductor connection</b>				
Cable lug, max. conductor cross-section (stranded)	mm <sup>2</sup>	2.5–120	6–150	6–240
Busbar	mm <sup>2</sup>	16– 22	22– 30	22–30
Terminal clamp	mm <sup>2</sup>	2.5– 50	35–120	–
<b>Tightening torque</b>				
with cable lug	Nm	18–22	25–30	25–30
with busbar	Nm	18–22	25–30	25–30
with terminal clamp	Nm	9–11	5– 6	–
<b>Terminal screws</b>				
with cable lug	M 8	M 10	M 10	M 10
with busbar	M 8	M 10	M 10	M 10
with terminal clamp	M 8	2 × M 6	–	–
<b>PE/ground-conductor connection</b>				
Cable lug to DIN 46234	mm <sup>2</sup>	–	2.5–70	6–2 × 70
Busbar	mm	–	25	25
Terminal screws	–	M 8	M 10	M 10
<b>Auxiliary switch 1 NO + 1 NC (accessory)</b> (the same voltage must be applied to the NO and NC contacts)				
at AC 50 Hz/60 Hz up to 400 V, rated operating current $I_e$ at AC-12/AC-15 A	A	16/6		
Tab connector (DIN 46244)	A	6.3–0.8		
<b>Permissible mounting position</b>	vertical or horizontal (partially reduced switching capacity with horizontal mounting)			
<b>Fuse monitoring with 3RV circuit-breaker</b>	see Circuit-breakers			
<b>Electronic fuse monitoring</b>				
Rated voltage AC 50 Hz/60 Hz	V	400	–15% to 500 V +10%, internal power supply (feed-in from top)	
Max. inrush current	A	20		
Uninterrupted current	A	5		
Interrupting current	A	5		
Contact rating	VA	1000		
Short-circuit strength (1 ms)	A	100		
Response time	s	<1		
Temperature range (operation)	°C	–10 ... +75		
Plug-in connectors/terminals		6-pole		
Minimum required potential difference between upper and lower switch connections (e.g. for use in meshed networks)	V	>10		
<b>Signaling contact for electronic fuse monitoring</b>	2 NO + 1 NC			
Rated operating current $I_e$ at 250 V, DC-13 at 240 V, AC-15	A	0.27		
Thermal free-air rated current $I_{th}$	A	1.5		
	A	5		

- 1) When isolating links are used. When fuse links are used, the information provided by fuse manufacturer must be observed.
- 2) For 3NP52 with terminal clamp, degree of protection IP10.
- 3) With busbar adapter.

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For power distribution

## Selection and ordering data

Rated uninter- rupted current $I_u$ A	Conductor connections (on both sides)		For fuse links to DIN 43620 <sup>1)</sup>	For isolating links <sup>2)</sup>	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 <sup>2</sup>						

### For surface mounting and for installation

up to 160 A for snapping onto standard mounting rail

160 <sup>3)</sup>	Box terminal	1.5-50	000 <sup>4)</sup>	00	▶	<b>3NP40 10-0CH01</b>	1 unit	0.512
<b>160</b>	<b>Flat connector</b>	<b>up to 2 × 70 (M 8)</b>	<b>00 and 000</b>	<b>00</b>	▶	<b>3NP40 70-0CA01</b>	<b>1 unit</b>	<b>0.749</b>
	Box terminal	2.5-70 or 2 × 2.5-16			▶	<b>3NP40 70-0CH01</b>	1 unit	0.800
250	Flat connector	up to 150 (M 10)	1 and 0	1 and 0	▶	<b>3NP42 70-0CA01</b>	1 unit	2.430
400	Flat connector	up to 240 (M 10)	2 and 1	2 and 1	▶	<b>3NP43 70-0CA01</b>	1 unit	3.610
630	Flat connector	up to 2 × 240 (M 12)	3 and 2	3 and 2	▶	<b>3NP44 70-0CA01</b>	1 unit	4.980

### For snapping onto busbars, 40 mm busbar center-to-center distance

Busbars with a width of 12 mm or 15 mm and a thickness of 5 mm or 10 mm<sup>5)</sup>

- With adapter, deep, e.g. for mounting in ALPHA meter cabinets (ALPHA 400-ZS) and ALPHA switchboards (STAB/SIKUS)

160 <sup>3)</sup>	Box terminal	1.5-50	000 <sup>4)</sup>	00	A	<b>3NP40 15-0CK01</b>	1 unit	0.952
		• Connection from top			A	<b>3NP40 15-0CJ01</b>	1 unit	0.970
		• Connect. from bottom						
160	Flat connector	up to 2 × 70 (M 8)	00 and 000	00	A	<b>3NP40 75-0CE01</b>	1 unit	1.210
		• Connection from top			A	<b>3NP40 75-0CF01</b>	1 unit	1.240
		• Connect. from bottom						
	Box terminal	2.5-70 or 2 × 2.5-16	00 and 000	00	A	<b>3NP40 75-0CK01</b>	1 unit	1.290
		• Connection from top			A	<b>3NP40 75-0CJ01</b>	1 unit	1.270
		• Connect. from bottom						

- With adapter, flat, to DIN 43620 Part 6, for general applications and ALPHA switchboards (STAB/SIKUS)

160 <sup>3)</sup>	Box terminal	1.5-50	000 <sup>4)</sup>	00	A	<b>3NP40 15-1CK01</b>	1 unit	0.892
		• Connection from top			B	<b>3NP40 15-1CJ01</b>	1 unit	0.888
		• Connect. from bottom						
160	Flat connector	up to 2 × 70 (M 8)	00 and 000	00 and 000	A	<b>3NP40 75-1CE01</b>	1 unit	1.180
		• Connection from top			A	<b>3NP40 75-1CF01</b>	1 unit	1.180
		• Connect. from bottom						
	Box terminal	2.5-70 or 2 × 2.5-16	00 and 000	00 and 000	A	<b>3NP40 75-1CK01</b>	1 unit	1.260
		• Connection from top			A	<b>3NP40 75-1CJ01</b>	1 unit	1.210
		• Connect. from bottom						
250	Flat connector	up to 240 (M 10)	1 and 0	1 and 0	A	<b>3NP42 75-1CG01</b>	1 unit	3.710
		• Connection from top						
		• or bottom						

### 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<sup>5)</sup> flat, T and double-T profiles, and on Rittal PCS systems

160 <sup>3)</sup>	Box terminal <sup>6)</sup>	1.5-50	000 <sup>4)</sup>	00	A	<b>3NP40 16-1CK01</b>	1 unit	0.916
		• Connection from top			▶	<b>3NP40 16-1CJ01</b>	1 unit	0.950
		• Connect. from bottom						
160	Flat connector	up to 2 × 70 (M 8)	00 and 000	00	A	<b>3NP40 76-1CE01</b>	1 unit	1.200
		• Connection from top			▶	<b>3NP40 76-1CF01</b>	1 unit	1.200
		• Connect. from bottom						
	Box terminal <sup>6)</sup>	2.5-70 or 2 × 2.5-16	00 and 000	00	B	<b>3NP40 76-1CK01</b>	1 unit	1.290
		• Connection from top			▶	<b>3NP40 76-1CJ01</b>	1 unit	1.240
		• Connect. from bottom						
250	Flat connector	up to 150 (M 10)	1 and 0	1 and 0	▶	<b>3NP42 76-1CG01</b>	1 unit	3.710
		• Connection from bottom or top						
400	Flat connector	up to 240 (M 10)	2 and 1	2 and 1	▶	<b>3NP43 76-1CG01</b>	1 unit	5.440
		• Connection from bottom or top						
630	Flat connector	up to 2 × 240 (M 12)	3 and 2	3 and 2	▶	<b>3NP44 76-1CG01</b>	1 unit	7.680
		• Connection from bottom or top						



3NP40 10



3NP40 70



3NP42 70



3NP40 16



3NP42 76

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

- 1) Fuse links see BETA protect modular installation devices.
- 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.

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.

With fuse monitoring by SIRIUS circuit-breakers<sup>1) 2)</sup>



Rated uninter- rupted current $I_u$ A	Conductor connections (on both sides)		For fuse links to DIN 43620 <sup>3)</sup>	For isolating links <sup>4)</sup>	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 <sup>2</sup>						

### For surface mounting and for installation

up to 160 A also for snapping onto standard mounting rail

Rated current	Connection	For conductor cross-section	For fuse links	For isolating links	DT	Order No.	Weight
160	Flat connector	up to 2 × 70 (M 8)	00 and 000	00	A	<b>3NP40 70-0FA01</b>	1 unit 1.270
	Box terminal	2.5-70 or 2 × 2.5-16			A	<b>3NP40 70-0FH01</b>	1 unit 1.350
250	Flat connector	up to 150 (M 10)	1 and 0	1 and 0	A	<b>3NP42 70-0FA01</b>	1 unit 2.940
400	Flat connector	up to 240 (M 10)	2 and 1	2 and 1	A	<b>3NP43 70-0FA01</b>	1 unit 4.170
630	Flat connector	up to 2 × 240 (M 12)	3 and 2	3 and 2	A	<b>3NP44 70-0FA01</b>	1 unit 5.490

### For snapping onto busbars, 40 mm busbar center-to-center distance

Busbars with a width of 12 mm or 15 mm and a thickness of 5 mm or 10 mm<sup>5)</sup>

- With adapter, deep, e.g. for mounting in ALPHA meter cabinets (ALPHA 400-ZS) and ALPHA switchboards (STAB/SIKUS)

Rated current	Connection	For conductor cross-section	For fuse links	For isolating links	DT	Order No.	Weight
160	Flat connector	up to 2 × 70 (M 8)	00 and 000	00	B	<b>3NP40 75-0FE01</b>	1 unit 1.810
		• Connection from top			B	<b>3NP40 75-0FF01</b>	1 unit 1.780
	Box terminal	2.5-70 or 2 × 2.5-16					
		• Connection from bottom					
		• Connection from top	00 and 000	00	B	<b>3NP40 75-0FK01</b>	1 unit 1.820
		• Connection from bottom			B	<b>3NP40 75-0FJ01</b>	1 unit 1.830

- With adapter, flat, to DIN 43620 Part 6, for general applications and ALPHA switchboards (STAB/SIKUS)

Rated current	Connection	For conductor cross-section	For fuse links	For isolating links	DT	Order No.	Weight
160	Flat connector	up to 2 × 70 (M 8)	00 and 000	00 and 000	B	<b>3NP40 75-1FE01</b>	1 unit 1.610
		• Connection from top					
		• Connection from bottom			B	<b>3NP40 75-1FF01</b>	1 unit 1.620
	Box terminal	2.5-70 or 2 × 2.5-16					
		• Connection from top	00 and 000	00 and 000	B	<b>3NP40 75-1FK01</b>	1 unit 1.710
		• Connection from bottom			B	<b>3NP40 75-1FJ01</b>	1 unit 1.630
250	Flat connector	up to 240 (M 10)	1 and 0	1 and 0	A	<b>3NP42 75-1CG01</b>	1 unit 4.210
		• Connection from top or bottom					

### 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<sup>5)</sup> flat, T and double-T profiles, and on Rittal PCS systems

Rated current	Connection	For conductor cross-section	For fuse links	For isolating links	DT	Order No.	Weight
160	Flat connector	up to 2 × 70 (M 8)	00 and 000	00	B	<b>3NP40 76-1FE01</b>	1 unit 1.670
		• Connection from top			A	<b>3NP40 76-1FF01</b>	1 unit 1.890
	Box terminal	2.5-70 or 2 × 2.5-16					
		• Connection from bottom					
		• Connection from top	00 and 000	00	B	<b>3NP40 76-1FK01</b>	1 unit 1.750
		• Connection from bottom			B	<b>3NP40 76-1FJ01</b>	1 unit 1.910
250	Flat connector	up to 150 (M 10)	1 and 0	1 and 0	A	<b>3NP42 76-1FG01</b>	1 unit 4.170
		• Connection from top or bottom					
400	Flat connector	up to 240 (M 10)	2 and 1	2 and 1	A	<b>3NP43 76-1FG01</b>	1 unit 5.840
		• Connection from top or bottom					
630	Flat connector	up to 2 × 240 (M 12)	3 and 2	3 and 2	A	<b>3NP44 76-1FG01</b>	1 unit 8.230
		• Connection from top or bottom					

### With electronic fuse monitoring

through electronic fuse monitoring for installation as a single unit 5TT3 170 (see Catalog ET B1 "BETA modular installation devices").

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

- 1) SIRIUS circuit-breaker, as standard with auxiliary switch 1 NO + 1 NC. On request, 3NP40 7 also with auxiliary switch 2 NO or 2 NC.
- 2) For 3NP40 7 with output socket for auxiliary switches, the signal cable must be ordered separately; see Accessories. For 3NP41 to 3NP44, the auxiliary switch must be connected with a 2.8 mm × 0.5 mm flat connector to DIN 46244-A.
- 3) Fuse links see Modular installation devices, BETA protect.
- 4) Insert silver-plated isolating links.








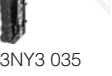



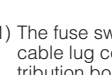

- 5) For mounting on only 5 mm thick busbars, a busbar thickness compensator is required for 3NP42 and 3NP43; see Accessories. 3NP44 can only be fitted on 10 mm thick busbars.

# SENTRIC NP Fuse Switch Disconnectors

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

## Accessories for power distribution

### Selection and ordering data

	For fuse switch disconnectors	Version	DT	Order No.	PS*	Weight per PU approx. kg
	<b>Quick-fitting retaining plates</b> between 2 standard mounting rails EN 50022 and EN 50023					
	Center-to-center distance of mounting rails 125 mm	3NP40 10, 3NP40 70		B	<b>3NY1 995</b>	1 unit 0.135
	Center-to-center distance of mounting rails 125 mm	3NP42 70		B	<b>3NY7 322</b>	1 unit 0.249
	<b>Cable lug cover</b> and finger-safe cover in accordance with VBG 4 (1 set = 2 units) for 1 setup or 2 adapter units					
		3NP40 7 with flat connector <sup>1)</sup>		▶	<b>3NY7 101</b>	1 set 0.065
		3NP42 7		▶	<b>3NY7 121</b>	1 set 0.220
		3NP43 3NP44		▶ ▶	<b>3NY7 131</b> <b>3NY7 141</b>	1 set 0.221 1 set 0.319
	<b>Terminals</b> (1 set = 3 units)					
		3NP42 7	Conductor cross-section 70 mm <sup>2</sup> –150 mm <sup>2</sup>	B	<b>3NY7 120</b>	1 set 0.333
		3NP43	120 mm <sup>2</sup> –240 mm <sup>2</sup>	B	<b>3NY7 130</b>	1 set 0.583
		3NP44	150 mm <sup>2</sup> –300 mm <sup>2</sup>	B	<b>3NY7 140</b>	1 set 0.725
	<b>Triple terminal</b> (1 set = 3 units)					
	For fitting to box terminals	3NP40 1, 3NP40 7	Conductor cross-section • solid/stranded: 2.5 mm <sup>2</sup> –16 mm <sup>2</sup>	B	<b>3NY7 102</b>	1 set 0.131
	For fitting to flat connectors	3NP40 7	• finely stranded with end sleeve: 2.5 mm <sup>2</sup> –10 mm <sup>2</sup>	B	<b>3NY7 105</b>	1 set 0.113
	<b>Three-phase busbar</b> Modular width 90 mm = 5 MW					
		3NP40 1	for $I_{u \max} = 225$ A	A	<b>3NY1 237</b>	1 unit 0.265
			For 2 switch disconnectors	A	<b>busbar</b>	1 unit 0.434
			For 3 switch disconnectors	A	<b>3NY1 438</b>	1 unit 0.650
			For 4 switch disconnectors	A	<b>3NY1 263</b>	1 unit 0.267
	Permissible connection 25 mm <sup>2</sup> or feed-in terminal		Connecting bar	A	<b>3NY1 265</b>	1 unit 0.012
	<b>Cover</b> for 1 blank space in 3NY1 238					
	3NP40 1		A	<b>3NY1 236</b>	1 set 0.262	
	<b>Feed-in terminal</b> (1 set = 3 units) for $I_{u \max} = 225$ A					
		3NP40 1	Conductor cross-section A • solid/stranded: 25 mm <sup>2</sup> –95 mm <sup>2</sup> • finely stranded with end sleeve: 16 mm <sup>2</sup> –70 mm <sup>2</sup>	A	<b>3NY1 236</b>	1 set 0.262
	<b>Overreach protection</b>					
		3NP42 7, 3NP43, 3NP44		B	<b>3NY7 481</b>	1 unit 0.021
				B	<b>3NY7 482</b>	10 units 0.056
	<b>Sealing pin</b> (1 package = 10 units)					
	3NP42 7, 3NP43, 3NP44		B	<b>3NY7 482</b>	10 units 0.056	
	<b>Busbar thickness compensator</b> (1 kit = 5 units) for only 5 mm thick busbar					
		3NP42 7, 3NP43		B	<b>3NY7 381</b>	1 set 0.064
	<b>Fuse carrier</b> gray with inscription plate with voltage testing holes					
		3NP40 1 3NP40 7		B B	<b>3NY7 003</b> <b>3NY7 001</b>	1 unit 0.160 1 unit 0.220
	<b>Auxiliary switch 1 CO</b> for sizes 000 and 00 with self-tapping screws for sizes 1 to 3 for plugging on					
		3NP40 1 to 3NP44		▶	<b>3NY3 035</b>	1 unit 0.004
<b>Electronics-compatible</b>						
	<b>Fuse links size 000</b> 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	400 V/125 A 400 V/160 A	B B	<b>3NY1 822</b> <b>3NY1 824</b>	1 unit 0.130 1 unit 0.129
<b>Signal cable</b> for connection to size 00 fuse monitor output socket						
	1 m cable with plug	3NP40 7		B	<b>3NY1 910</b>	1 unit 0.097
	3 m cable with plug	3NP40 7		B	<b>3NY1 911</b>	1 unit 0.261

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.

### Masking frames



3NY1 251

For fuse switch disconnectors	Height × Width	DT	Order No.	PS*	Weight per PU approx.
	mm				kg

#### For installation in any distribution board<sup>1)</sup>

Molded-plastic masking frame					
3NP40 1	215 × 130	A	<b>3NY1 251</b>	1 unit	0.052
3NP40 7 with box terminals	215 × 130	▶	<b>3NY7 200</b>	1 unit	0.037
3NP40 7 with flat connector	215 × 130	▶	<b>3NY7 201</b>	1 unit	0.046
3NP42 7	375 × 220	▶	<b>3NY7 220</b>	1 unit	0.112
3NP43	375 × 245	B	<b>3NY7 230</b>	1 unit	0.117
3NP44	375 × 290	B	<b>3NY7 240</b>	1 unit	0.125

#### For installation in ALPHA 400-ZS meter cabinets

See publication "Installation and Mounting", Order No. E20001-P285-A526-V1 (in German only).

Molded-plastic masking frame					
2 × 3NP40 1	197 × 215.5	A	<b>3NY1 258</b>	1 unit	0.063
for distribution panels					
1 × 3NP40 1 left	197 × 215.5	A	<b>3NY1 262</b>	1 unit	0.093
or suitable for the feed-in area					
1 × 3NP40 1 right	197 × 215.5	A	<b>3NY1 264</b>	1 unit	0.091
of a meter cabinet					
1 × 3NP40 7 left	208 × 229	B	<b>3NY7 500</b>	1 unit	0.120
(mounting onto busbars)					
1 × 3NP40 7 right	208 × 229	B	<b>3NY7 501</b>	1 unit	0.120
2 × 3NP40 7	208 × 229	B	<b>3NY7 502</b>	1 unit	0.054
3NP42 7	309 × 216	▶	<b>3NY7 220</b>	1 unit	0.112
3NP43	375 × 245	B	<b>3NY7 230</b>	1 unit	0.117
3NP44	375 × 290	B	<b>3NY7 240</b>	1 unit	0.125

#### For installation in ALPHA 160 and ALPHA 400 wall-mounted distribution boards (STAB 160/STAB 400) and ALPHA 630 floor-mounted distribution boards (SIKUS 630)

Molded-plastic masking frame					
1 × 3NP40 1 right	166 × 199	A	<b>3NY1 260</b>	1 unit	0.082
for mounting on support plate					
1 × 3NP40 1 left	166 × 199	A	<b>3NY1 261</b>	1 unit	0.086
or busbars					
2 × 3NP40 1	166 × 199	A	<b>3NY1 248</b>	1 unit	0.036
For further information					
see Catalog ET A1					
*ALPHA distribution boards*					
2 × 3NP40 7	208 × 236	B	<b>3NY7 502</b>	1 unit	0.054
3NP42 7	309 × 216 <sup>2)</sup>	B	<b>3NY7 820</b>	1 unit	0.113
3NP43	375 × 245	B	<b>3NY7 230</b>	1 unit	0.117
3NP44	375 × 290	B	<b>3NY7 240</b>	1 unit	0.125

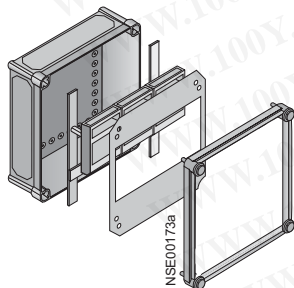
#### For installation in STAB/SIKUS Universal 8GF

Masking frames and installation kits are available for all switch disconnectors fuse links belonging to sizes 000 to 3. Order Nos. and prices on request.

For fuse switch disconnectors	8HP enclosure	DT	Order No.	PS*	Weight per PU approx.
	Size				kg

#### For installation in SENTRIC 8HP molded-plastic distribution system

Molded-plastic masking frame					
1 × 3NP40 10	1	B	<b>8HP6 431</b>	1 unit	0.221
for installation in 8HP					
1 × 3NP40 70	1	B	<b>8HP6 422</b>	1 unit	0.224
complete enclosure with					
2 × 3NP40 10	2	B	<b>8HP6 432</b>	1 unit	0.465
fuse switch disconnectors					
3 × 3NP40 10	2	B	<b>8HP6 432</b>	1 unit	0.465
1 × 3NP40 70	2	B	<b>8HP6 423</b>	1 unit	0.230
2 × 3NP40 70	2	B	<b>8HP6 424</b>	1 unit	0.203
1 × 3NP40 70	2.5	B	<b>8HP6 423</b>	1 unit	0.230
2 × 3NP40 70	2.5	B	<b>8HP6 424</b>	1 unit	0.203
1 × 3NP42 70	2.5	B	<b>8HP6 427</b>	1 unit	0.250



See also Catalog "8HP insulated distribution system", Order No. 8ZX1012-0HP54-5AB1 (in German only).

- 1) To some extent, special masking frames are required for installation in ALPHA wall-mounted, floor-mounted and meter distribution boards (STAB, SIKUS, SIPRO); see Accessories.
- 2) With the 8GE3 818-0 support plate it is also possible to use the 3NY7 220 molded-plastic masking frame (for installation in any distribution board).


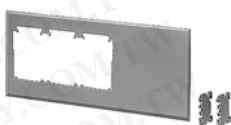





# SENTRIC NP Fuse Switch Disconnectors

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[Http://www.100y.com.tw](http://www.100y.com.tw)

## Accessories for power distribution

### Masking frames

	For fuse switch disconnectors	Height × Width	DT	Order No.	PS*	Weight per PU approx.	
		mm				kg	
<b>For installation in 8GD/8GA "classic" STAB/SIKUS switchboards</b> See publication "Installation and Mounting", Order No. E20001-P285-A526-V1 (in German only).							
 3NY1 250  3NY1 253  3NY1 255  3NY1 260  3NY1 247	<b>Molded-plastic masking frame</b> for fitting between two standard mounting rails with 3NY1 995 quick-fitting retaining plate	1 × 3NP40 10 right with and without auxiliary switches	197 × 215.5	A	<b>3NY1 256</b>	1 unit 0.116	
		1 × 3NP40 10 left with and without auxiliary switches	197 × 215.5	A	<b>3NY1 257</b>	1 unit 0.118	
	in a cut-out of B1 width	2 × 3NP40 10 with and without auxiliary switches	197 × 215.5	A	<b>3NY1 258</b>	1 unit 0.063	
	in a cut-out of B2/2 width	2 × 3NP40 10 with and without auxiliary switches	197 × 235	A	<b>3NY1 250</b>	1 unit 0.075	
	in a cut-out of B2 width	3 × 3NP40 10 with and without auxiliary switches (support included in scope of supply)	197 × 485	B	<b>3NY1 253</b>	1 unit 0.225	
		4 × 3NP40 10 with and without auxiliary switches (support included in scope of supply)	197 × 485	B	<b>3NY1 254</b>	1 unit 0.188	
		5 × 3NP40 10 with and without auxiliary switches	197 × 485	A	<b>3NY1 255</b>	1 unit 0.125	
		<b>Support</b> 3NP40 1		C	<b>3NY1 271</b>	1 set 0.100	
		<b>Molded-plastic masking frame</b> for snapping of 3NP40 1 switch disconnectors onto standard mounting rail with special 8GD9 support and for mounting onto busbars (except 3NY1 247)	1 × 3NP40 1 right with and without auxiliary switches	166 × 199	A	<b>3NY1 260</b>	1 unit 0.082
		1 × 3NP40 1 left with and without auxiliary switches	166 × 199	A	<b>3NY1 261</b>	1 unit 0.086	
in a cut-out of B1 width	2 × 3NP40 1 with and without auxiliary switches	166 × 199	A	<b>3NY1 248</b>	1 unit 0.036		
in a cut-out of B2 width	5 × 3NP40 1 with and without auxiliary switches	166 × 469	A	<b>3NY1 247</b>	1 unit 0.072		
	<b>Blanking cover</b> (1 set = 10 units) for covering a blank cut-out in the 3NY1 2 masking frame	3NP40 1	Width 90	B	<b>3NY1 270</b>	1 set 0.040	
	<b>Molded-plastic masking frame</b> for fitting between two standard mounting rails with 3NY1 995 quick-fitting retaining plate	1 × 3NP40 7 left	208 × 219	B	<b>3NY7 800</b>	1 unit 0.100	
		1 × 3NP40 7 right	208 × 219	B	<b>3NY7 801</b>	1 unit 0.120	
		2 × 3NP40 7	208 × 222	B	<b>3NY7 802</b>	1 unit 0.060	
		with 3NY1 322 quick-fitting retaining plate	1 × 3NP42 7	309 × 216	B	<b>3NY7 820</b>	1 unit 0.113
	<b>Molded-plastic masking frame</b> for fitting on 8GD9 100 support plate	1 × 3NP40 7 left	208 × 229	B	<b>3NY7 500</b>	1 unit 0.120	
		1 × 3NP40 7 right	208 × 229	B	<b>3NY7 501</b>	1 unit 0.120	
		2 × 3NP40 7	208 × 236	B	<b>3NY7 502</b>	1 unit 0.054	
		1 × 3NP42 70	309 × 216 <sup>1)</sup>	B	<b>3NY7 820</b>	1 unit 0.113	
	<b>Molded-plastic masking frame</b> for fixing						
	onto 8GD9 591 support plate	1 × 3NP43 70	375 × 245	B	<b>3NY7 230</b>	1 unit 0.117	
	onto 8GD9 592 support plate	1 × 3NP44 70	375 × 290	B	<b>3NY7 240</b>	1 unit 0.125	

1) When mounting on 8GD9 590 support plate it is also possible to use the 3NY7 220 molded-plastic masking frame.

## Selection and ordering data

### Fully compartmented, with high-speed closing

Rated uninter- rupted current $I_u$ A	Conductor connections (on both sides) Connection		For fuse links to DIN 43620 <sup>1)</sup>	For isolating links	Auxiliary switches of the switch disconnecter	DT	Degree of protec- tion IP00, without fuse links, without isolating links, with terminal screws Order No.	PS*	Weight per PU approx. kg
	For conductor cross-section mm <sup>2</sup>		Size	Size	Version				
<b>For surface mounting and for installation</b>									
160	Flat connector <sup>6)</sup>	2.5–150 <sup>2)</sup>	00 and 000	00	without <sup>3)</sup> 1 NO + 1 NCB	▶	3NP50 60–OCA00 3NP50 60–OCA10	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 <sup>3)</sup> 1 NO + 1 NCB	A		3NP50 60–OCB00 3NP50 60–OCB10	1 unit 1 unit
250	Flat connector	6–150 <sup>4)</sup>	1 and 0	1	none 1 NO + 1 NCA	▶	3NP52 60–OCA00 3NP52 60–OCA10	1 unit	5.470
	Terminal clamp	35–120	1 and 0	1	none 1 NO + 1 NCB	C		3NP52 60–OCB00 3NP52 60–OCB10	1 unit 1 unit
400	Flat connector	6–240 <sup>4)</sup>	2 and 1	2	none 1 NO + 1 NCA	▶	3NP53 60–OCA00 3NP53 60–OCA10	1 unit	6.530
									1 unit
630	Flat connector	6–2 × 240 <sup>4)</sup>	3 and 2	3	none 1 NO + 1 NCB	▶	3NP54 60–OCA00 3NP54 60–OCA10	1 unit	7.940
									1 unit



### For adaptation to busbar systems<sup>5)</sup>, 40 mm busbar center-to-center distance

Busbars of 12 mm in width and 5 mm or 10 mm in thickness

160	Flat connector	2.5–150 <sup>2)</sup>	00 and 000	none	C	3NP50 65–1CF00 3NP50 65–1CF10	1 unit	2.380
		Connection from bottom		1 NO + 1 NCB				1 unit
	Terminal clamp	1 conductor 2.5–50 or 2 conductors 1× 2.5–50 1× 2.5–35	00 and 000	none	B	3NP50 65–1CG00 3NP50 65–1CG10	1 unit	2.430
		Connection from bottom		1 NO + 1 NCB				1 unit

### For adaptation to busbar systems<sup>5)</sup>, 60 mm busbar center-to-center distance

Use switch version "for surface mounting and flush mounting" and busbar adapters, see Accessories.

- 1) Fuse links see BETA protect modular installation devices.
- 2) Acc. to DIN 46234 or 16 mm<sup>2</sup>–95 mm<sup>2</sup> acc. to DIN 46235 (use M 10 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 mm<sup>2</sup> (use M 12 cable lug if necessary).
- 5) Accessories and further devices for busbar systems, see Accessories and distribution and busbar systems and switchgear.
- 6) For 3NP50 60 with flat connectors, appropriate 3NY1 106 cable lug covers must be used to provide finger-safe cover to DIN VDE 0106 Part 100 (see Accessories).

# SENTRIC NP Fuse Switch Disconnectors

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## For high technical requirements

Fully compartmented, with high-speed closing  
 with fuse monitoring by SIRIUS circuit-breaker<sup>1)</sup>

Rated uninter- rupted current $I_u$	Conductor connections (on both sides) Connection	For conductor cross-section	For fuse links to DIN 43620 <sup>2)</sup>	Auxiliary switches of the switch disconnect- or	Auxiliary switches of the circuit- breaker	DT	Degree of protec- tion IP00, without fuse links, without isolating links, with terminal screws	PS*	Weight per PU approx.
A	mm <sup>2</sup>	Size	Version	Version	Version	Order No.		kg	

### For surface mounting and for installation

With plug connection for connecting leads from auxiliary contacts (approx. 1 m long) to the circuit-breaker

160	Flat connector <sup>6)</sup>	2.5–150 <sup>3)</sup>	00 and 000	1 NO + 1 NC 1 NO + 1 NC 2 NO	1 NO + 1 NC 1 NO + 1 NC	▶ B	<b>3NP50 60–0EA86</b> <b>3NP50 60–0EA26</b>	1 unit 1 unit	2.480 2.550
	Terminal clamp	1 conductor 2.5–50 2 conductors 1× 2.5–50 1× 2.5–35	00 and 000	1 NO + 1 NC 1 NO + 1 NC 2 NO	1 NO + 1 NC 1 NO + 1 NC	B B	<b>3NP50 60–0EB86</b> <b>3NP50 60–0EB26</b>	1 unit 1 unit	2.610 2.650
250	Flat connector	6–150 <sup>4)</sup>	1 and 0	1 NO + 1 NC 1 NO + 1 NC 2 NO	1 NO + 1 NC 1 NO + 1 NC	▶ B	<b>3NP52 60–0EA86</b> <b>3NP52 60–0EA26</b>	1 unit 1 unit	6.010 6.860
	Terminal clamp	35–120	1 and 0	1 NO + 1 NC 1 NO + 1 NC 2 NO	1 NO + 1 NC 1 NO + 1 NC	B B	<b>3NP52 60–0EB86</b> <b>3NP52 60–0EB26</b>	1 unit 1 unit	7.090 6.650
400	Flat connector	6–240 <sup>4)</sup>	2 and 1	1 NO + 1 NC 1 NO + 1 NC 2 NO	1 NO + 1 NC 1 NO + 1 NC	▶ B	<b>3NP53 60–0EA86</b> <b>3NP53 60–0EA26</b>	1 unit 1 unit	7.080 5.410
630	Flat connector	6–2 × 240 <sup>4)</sup>	3 and 2	1 NO + 1 NC 1 NO + 1 NC 2 NO	1 NO + 1 NC 1 NO + 1 NC	▶ B	<b>3NP54 60–0EA86</b> <b>3NP54 60–0EA26</b>	1 unit 1 unit	8.460 9.230

### For adaptation to busbar systems<sup>5)</sup>, 40 mm busbar center-to-center distance

Busbars of 12 mm wide and 5 mm or 10 mm thick

160	Flat connector	2.5–150 <sup>3)</sup> Connection from bottom	00 and 000	1 NO + 1 NC 1 NO + 1 NC 2 NO	1 NO + 1 NC 1 NO + 1 NC	A B	<b>3NP50 65–1EF86</b> <b>3NP50 65–1EF26</b>	1 unit 1 unit	2.900 2.950
	Terminal clamp	1 conductor 2.5–50 2 conductors 1× 2.5–50 1× 2.5–35 Connection from bottom	00 and 000	1 NO + 1 NC 1 NO + 1 NC 2 NO	1 NO + 1 NC 1 NO + 1 NC	B C	<b>3NP50 65–1EG86</b> <b>3NP50 65–1EG26</b>	1 unit 1 unit	3.020 2.970

### For adaptation to busbar systems<sup>5)</sup>, 60 mm busbar center-to-center distance

Use disconnector versions "for surface mounting and flush mounting" and busbar adapters,  
 see Accessories.

- SIRIUS circuit-breaker on request also auxiliary switch 2 NC.
- Fuse links see Modular installation devices, BETA protect.
- Acc. to DIN 46234 or 16 mm<sup>2</sup>–95 mm<sup>2</sup> acc. to DIN 46235 (use M 10 cable lug if necessary).
- Acc. to DIN 46234 or DIN 46235; with cable lug to DIN 46235:  
Min. conductor cross-section 16 mm<sup>2</sup> (use M 12 cable lug if necessary).
- Accessories and further devices for busbar systems, see Accessories and distribution and busbar systems and switchgear.
- 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).



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勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
 Http://www.100y.com.tw

# SENTRIC NP Fuse Switch Disconnectors

For high technical requirements

Fully compartmented, with high-speed closing  
 with electronic fuse monitoring EFM (internal power supply) version "A" (open-circuit principle)<sup>1)</sup>  
 for rated operating voltages  $U_e$  from AC 400 V to 500 V  
 Feed-in must be from above!

Rated uninter- rupted current $I_u$	Conductor connections (on both sides)		For fuse links to DIN 43620 <sup>2)</sup>	Auxiliary switches of the switch disconnecter	Auxiliary switches of the fuse monitoring device	DT	Degree of protec- tion IP00, without fuse links, without isolating links, with terminal screws	PS*	Weight per PU approx.
	Connection	For conduc- tor cross-sec- tion							

### For surface and flush mounting

With plug connection for connecting leads from auxiliary contacts (approx. 1 m long) to the fuse monitoring device  
 Operating display: green LED lighting, fault display: green LED flashing  
 Fuse failure display: red LED (individual display per phase)



160	Flat connector <sup>5)</sup>	2.5–120 <sup>3)</sup>	00 and 000	1 NO + 1 NC	2 NO + 1 NC	B	<b>3NP50 60–0HA13</b>	1 unit	2.370
	Terminal clamp	1 conductor 2.5–50 2 conductor 1× 2.5–50 1× 2.5–35	00 and 000	1 NO + 1 NC	2 NO + 1 NC	B	<b>3NP50 60–0HB13</b>	1 unit	2.500
250	Flat connector	6–150 <sup>4)</sup>	1 and 0	1 NO + 1 NC	2 NO + 1 NC	B	<b>3NP52 60–0HA13</b>	1 unit	5.860
400	Flat connector	6–240 <sup>4)</sup>	2 and 1	1 NO + 1 NC	2 NO + 1 NC	B	<b>3NP53 60–0HA13</b>	1 unit	6.950
630	Flat connector	6–240 <sup>4)</sup>	3 and 2	1 NO + 1 NC	2 NO + 1 NC	B	<b>3NP54 60–0HA13</b>	1 unit	8.510

- 1) Please inquire about version "R" (closed-circuit principle). (See also equivalent circuit diagram.)
- 2) Fuse links see Modular installation devices, BETA protect.
- 3) Acc. to DIN 46234 or 16 mm<sup>2</sup>–95 mm<sup>2</sup> acc. to DIN 46235 (use M 10 cable lug if necessary).
- 4) Acc. to DIN 46234 or DIN 46235; with cable lug to DIN 46235: Min. conductor cross-section 16 mm<sup>2</sup> (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).

\* This quantity or a multiple thereof can be ordered.

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## For high technical requirements

Fully compartmented, with high-speed closing with electronic fuse monitoring EFM (internal power supply) version "A" (open-circuit principle)<sup>1)</sup> for rated operating voltages  $U_e$  from 400 V to 500 V  
 Feed-in must be from above!

Rated uninterrupted current $I_u$	Conductor connections (on both sides) Connection	For fuse links to DIN 43620 <sup>2)</sup>	Auxiliary switches of the switch disconnector	Auxiliary switches of the fuse monitoring device	DT	Degree of protection IP00, without fuse links, without isolating links, with terminal screws	PS*	Weight per PU approx.
A	mm <sup>2</sup>	Size	Version	Version		Order No.		kg

### For adaptation to busbar systems<sup>4)</sup>, 40 mm busbar center-to-center distance

Busbars of 12 mm wide and 5 mm or 10 mm thick

160	Flat connector 2.5–120 <sup>3)</sup> Connection from bottom	00 and 000	1 NO + 1 NC	2 NO + 1 NC	B	<b>3NP50 65–1HF13</b>	1 unit	2.770
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### For adaptation to busbar systems<sup>4)</sup>, 60 mm busbar center-to-center distance

Use disconnector versions "for surface mounting and installation" and busbar adapters, see Accessories.

- 1) Please inquire about version "R" (closed-circuit principle). (See also equivalent circuit diagram.)
- 2) Fuse links see Modular installation devices, BETA protect.
- 3) Acc. to DIN 46234 or 16 mm<sup>2</sup>–95 mm<sup>2</sup> acc. to DIN 46235 (use M 10 cable lug if necessary).
- 4) Accessories and further devices for busbar systems, see Accessories and components for distribution systems.

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### Selection and ordering data

	For fuse switch disconnectors	Height × Width mm	DT	Order No.	PS*	Weight per PU approx. kg
<b>For installation in any distribution board</b>						
 3NY1 107	<b>Molded-plastic masking frame</b> for installation in the cabinet	3NP50 with and without auxiliary switch	215 × 135	A	<b>3NY1 105</b>	1 unit 0.045
		with auxiliary switch	215 × 135	A	<b>3NY1 115</b>	1 unit 0.044
 3NY1 106	<b>Molded-plastic masking frame</b> for installation in metal front plate	with and without auxiliary switch	220 × 160	B	<b>3NY1 125</b>	1 unit 0.062
	<b>Molded-plastic masking frame</b> for covering the connection terminals	3NP50 with and without auxiliary switch	265 × 135	A	<b>3NY1 107</b>	1 unit 0.073
 3NY1 212	<b>Molded-plastic masking frame</b> for covering the cable lug connections	3NP50 with and without auxiliary switch	290 × 135	A	<b>3NY1 106</b>	1 unit 0.071
	<b>Molded-plastic masking frame</b> for separate covering of the upper and lower cable lug connections	with auxiliary switch 3NP50 with and without auxiliary switch	290 × 135 290 × 135	A A	<b>3NY1 116</b> <b>3NY1 108</b>	1 unit 0.071 1 unit 0.048
 3NY1 212	<b>Installation kit for flush mounting</b> with molded-plastic masking frame, fixing brackets and sundries	3NP50 60	250 × 149	B	<b>3NY1 208</b>	1 unit 0.531
		3NP52 60	300 × 220	B	<b>3NY1 210</b>	1 unit 0.287
		3NP53 60	300 × 245	B	<b>3NY1 211</b>	1 unit 0.298
		3NP54 60	300 × 290	B	<b>3NY1 212</b>	1 unit 0.313
 3TX6 546-3B	<b>Cover for cable lug connection</b> (1 set = 6 units) can be screwed onto free screw end to protect against accidental touch	3NP52	Cover length 99 mm	A	<b>3NY1 241</b>	1 set 0.205
		3NP53/3NP54 60	Cover length 95 mm	B	<b>3TX6 546-3B</b>	1 set 0.249
			Cover length 120 mm	B	<b>3NY1 245</b>	1 set 0.336
<b>For installation in any distribution board</b>						
 3NY1 907	<b>Terminal clamp</b> (1 set = 3 units)	3NP50	Conductor cross-section 2.5–50 mm <sup>2</sup> 1)	B	<b>3NY1 903</b>	1 set 0.108
		3NP52	35–120 mm <sup>2</sup>	B	<b>3NY1 907</b>	1 set 0.225
 8US12 10-4AG00	<b>Busbar adapter</b> for 60 mm busbar system	3NP50	108 mm wide	A	<b>8US12 91-4SB00</b>	1 unit 0.551
		3NP52, 3NP53, 3NP54 <sup>2)</sup>	250 mm wide (320 mm long, terminal screws M 10, connecting leads must be manufactured to the disconnecter)	A	<b>8US12 10-4AG00</b>	1 unit 3.060
	<b>Sealing lug</b> retrofittable (1 package = 10 units)	3NP50		B	<b>3NY1 940</b>	1 set 0.010

1) Optionally also 2 conductors: 1 × 2.5 mm<sup>2</sup> to 50 mm<sup>2</sup> and 1 × 2.5 mm<sup>2</sup> to 35 mm<sup>2</sup>.

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

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## Accessories for high technical requirements



3NY1 074



3NY1 513-3



3NY1 915



3NY3 033



3NY3 034



3NY4 031



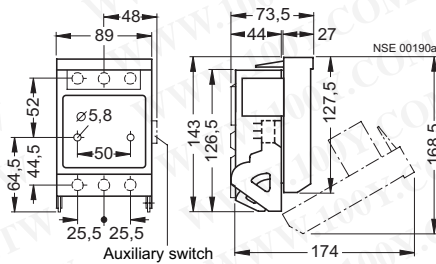
3NY4 011

	For fuse switch disconnectors	DT	Order No.	PS*	Weight per PU approx. kg	
<b>Fuse carrier</b>	3NP50 6-.C..0	B	<b>3NY1 074</b>	1 unit	0.620	
	3NP52 60-.C..0	B	<b>3NY1 371</b>	1 unit	0.263	
	3NP53 60-.C..0	B	<b>3NY1 372</b>	1 unit	1.510	
	3NP54 60-.C..0	B	<b>3NY1 373</b>	1 unit	1.690	
	3NP50 6-.E..6	B	<b>3NY1 420</b>	1 unit	1.400	
	3NP52 60-.E..6	B	<b>3NY1 421</b>	1 unit	1.900	
	3NP53 60-.E..6	B	<b>3NY1 422</b>	1 unit	1.980	
	3NP54 60-.E..6	B	<b>3NY1 423</b>	1 unit	2.600	
	With fuse monitoring by 3RV1 circuit-breaker (with auxiliary switch 1 NO + 1 NC), with plug-in connection, without plug and connecting lead					
	Plug and connection lead 1 m long 3 m long	3NP5 with 3RV1	B B	<b>3NY1 910</b> <b>3NY1 911</b>	1 unit 1 unit	0.097 0.261
	With electronic fuse monitoring for 400 V-500 V (with auxiliary switch 2 NO + 1 NC), with plug-in connection, without plug and connection lead)	3NP50 6-.H..13 3NP52 60-.H..13 3NP53 60-.H..13 3NP54 60-.H..13	B C B C	<b>3NY1 513-0</b> <b>3NY1 513-2</b> <b>3NY1 513-3</b> <b>3NY1 513-4</b>	1 unit 1 unit 1 unit 1 unit	1.230 2.130 2.140 0.325
	Plug and connecting lead (6-pole) 3 m long	3NP5 with EFM	B	<b>3NY1 915</b>	1 unit	0.372
Strain relief assembly kit for control cable of the EFM	3NP5 with EFM	D	<b>3NY1 918</b>	1 set	0.024	
<b>Auxiliary switch 1 NO + 1 NC</b>	3NP50 <sup>1)</sup>	B	<b>3NY3 033</b>	1 unit	0.015	
	3NP52-3NP54	B	<b>3NY3 034</b>	1 unit	0.015	
<b>Arc chute</b> (3 units each are required for 3NP52, 3NP53 and 3NP54)	3NP50	B	<b>3NY4 031</b>	1 unit	0.218	
	3NP52	B	<b>3NY4 011</b>	1 unit	0.215	
	3NP53, 3NP54	B	<b>3NY4 012</b>	1 unit	0.240	
<b>Molded-plastic masking frame</b> as replacement for masking frames from installation kits for flush mounting (without fixing bracket and sundries)	300 × 220 mm	A	<b>3NY1 102</b>	1 unit	0.071	
	300 × 245 mm	A	<b>3NY1 103</b>	1 unit	0.075	
	300 × 290 mm	A	<b>3NY1 104</b>	1 unit	0.084	

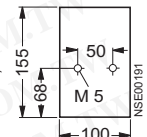
1) When retrofitted, holes must be drilled.

## Dimension drawings

### 3NP40 10

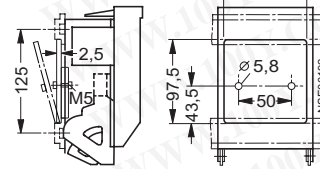


Mounting cutout for 3NP35 and 3NP40 10



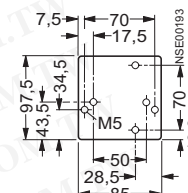
### 3NP40 10

with 3NY1 995 quick-fitting retaining plate  
 Standard mounting rails with 125 mm center-to-center distance



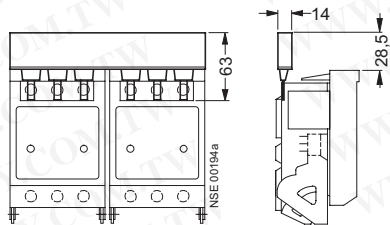
### 3NY1 995 quick-fitting retaining plate for 3NP40 10 and 3NP40 70

Top holes with a 50 mm intermediate dimension must be used for installation in STAB 8GD wall-mounting distribution boards.



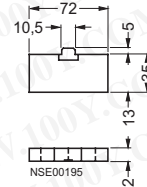
### 3NP40 10

with 3NY1 237 three-phase busbar for 2 fuse switch disconnectors



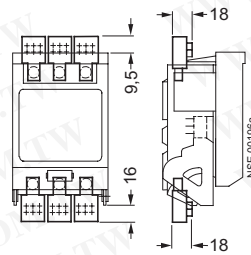
### 3NY1 265 covering cap

for 3NY1 238 three-phase busbar



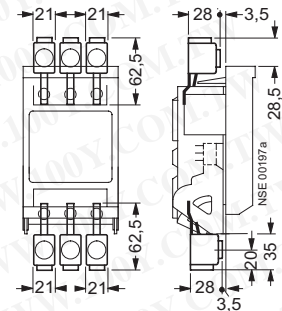
### 3NP40 10

with 3NY1 235 triple terminal



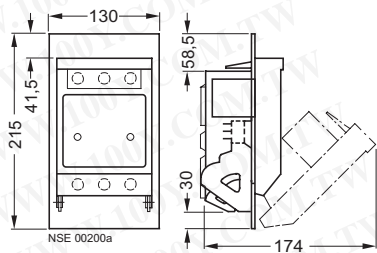
### 3NP40 10

with 3NY1 236 feed-in terminal



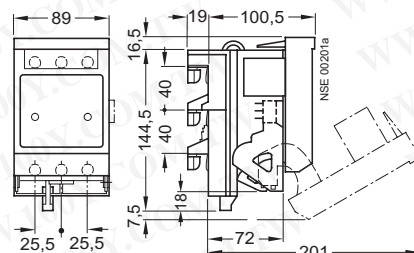
### 3NP40 10

with 3NY1 251 molded-plastic masking frame



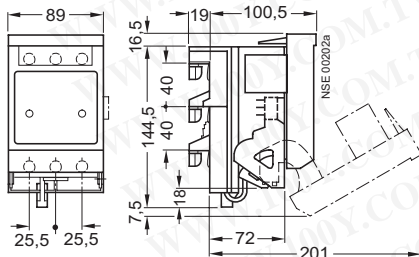
### 3NP40 15-1CJ01

with busbar adapter, flat, for busbars 12 mm or 15 mm wide and 5 mm or 10 mm thick, connection from bottom



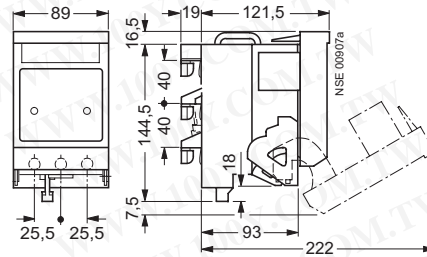
### 3NP40 15-1CK01

with busbar adapter, flat, for busbars 12 mm or 15 mm wide and 5 mm or 10 mm thick, connection from top



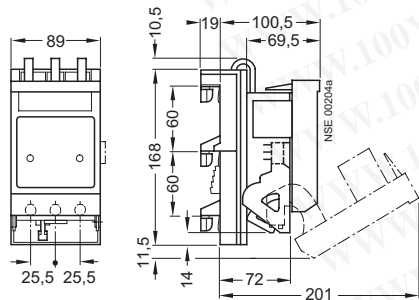
### 3NP40 15-0CJ01

with busbar adapter, deep, for busbars 12 mm or 15 mm wide and 5 mm or 10 mm thick, connection from bottom



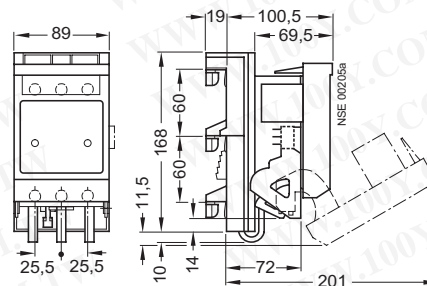
### 3NP40 16-1CJ01

with busbar adapter, for busbars 12, 15, 20 mm or 30 mm wide and 5 mm or 10 mm thick, flat, T-shaped, double-T-shaped and other well-known busbar systems, connection from below



### 3NP40 16-1CK01

with busbar adapter, for busbars 12, 15, 20, 25 mm or 30 mm wide and 5 mm or 10 mm thick, flat, T-shaped, double-T-shaped and other well-known busbar systems, connection from top



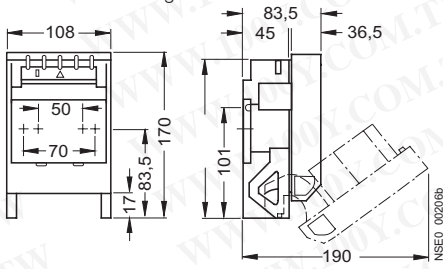


# SENTRIC NP Fuse Switch Disconnectors

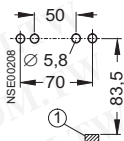
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## Project planning aids

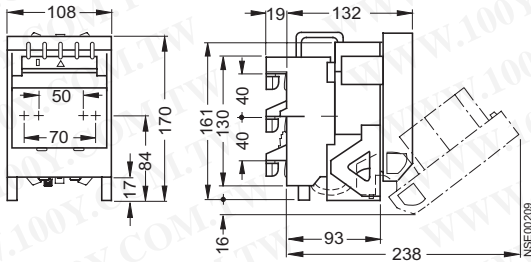
**3NP40 70**  
for surface mounting



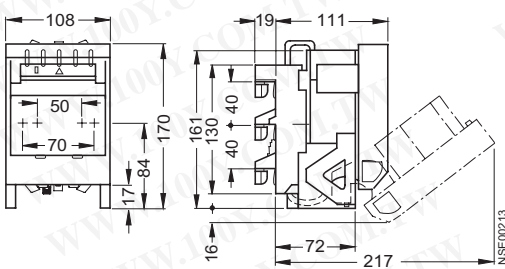
Drilling pattern for 3NP40 70



**3NP40 75-0**  
with busbar adapter, deep,  
for busbars 12 mm or 15 mm wide  
and 5 mm or 10 mm thick



**3NP40 75-1**  
with busbar adapter, flat,  
for busbars 12 mm or 15 mm wide  
and 5 mm or 10 mm thick



### For metal frames

Mounting cutouts for 3NP4

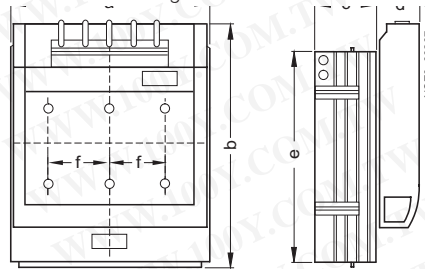
Type	Masking frame between frame assembly kit		Panel cutout min.			
	B	H	B	H	h <sup>1)</sup>	
3NP40 1	3NY1 251	130	215	100	180	100
3NP40 7	3NY7 200	130	215	118	195	110
	3NY7 201					
3NP42 7	3NY7 220	220	375	210	275	157
3NP43 7	3NY7 230	245	375	235	315	174
3NP44 7	3NY7 240	290	375	280	325	178

Type	Masking frame in front of control panel		Panel cutout min.			
	B	H	B	H	h <sup>1)</sup>	
3NP40 1	3NY1 251	130	215	100	155	87
3NP40 7	3NY7 200	130	215	118	195	110
	3NY7 201					
3NP42 7	3NY7 220	220	375	198	275	157
3NP43 7	3NY7 230	245	375	224	315	174
3NP44 7	3NY7 240	290	375	270	325	178

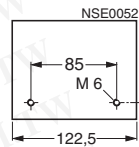
1) h = distance from top edge of panel cutout to center of disconnector mounting.

**3NP42 70, 3NP43 70, 3NP44 70**  
for surface mounting

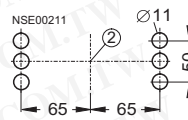


Type	a	B	c	d	e	f
3NP42 70	184	243	66	45.5	215	57
3NP43 70	210	288	80	48	255	65
3NP44 70	256	300	94.5	48	267	81

Quick-fitting retaining plate 3NY73 22



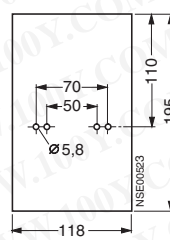
Drilling pattern for 3NP43



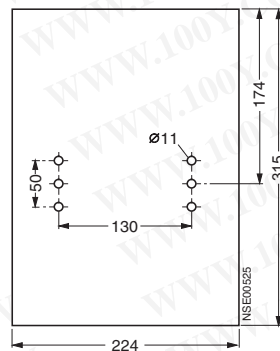
- ① Lower edge, disconnector base frame
- ② Center, disconnector base frame

### For plastic frames

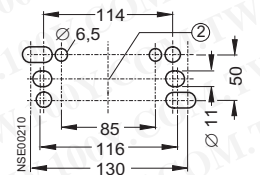
for 3NP40 70



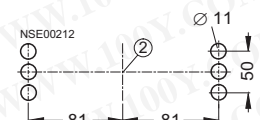
Mounting cutouts<sup>2)</sup> for 3NP43



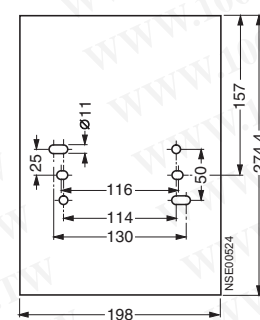
Drilling pattern for 3NP42 70



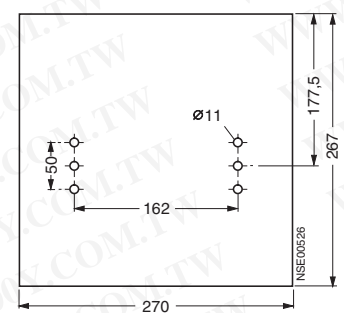
Drilling pattern for 3NP44



Mounting cutouts<sup>2)</sup> for 3NP42



Mounting cutouts<sup>2)</sup> for 3NP44



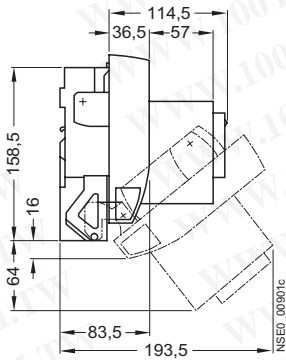
2) Masking frame rests open on control panel front; for masking frame behind control panel front: cutout dimensions on request.

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Project planning aids

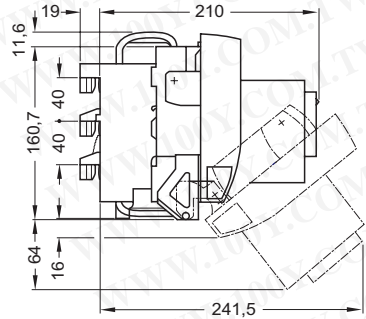
**3NP40 70-0F**

for surface mounting and flush mounting



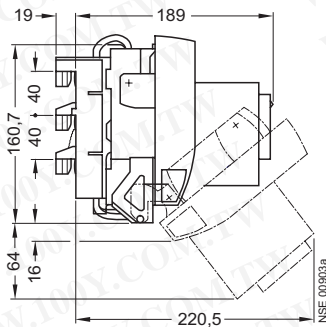
**3NP40 75-0F**

with busbar adapter, deep, 40 mm,  
busbars 12 mm or 15 mm wide  
and 5 mm or 10 mm thick



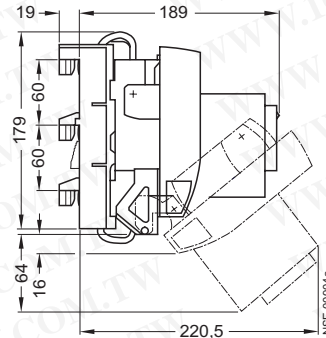
**3NP40 75-1F**

with busbar adapter, flat, 40 mm,  
busbars 12 mm or 15 mm wide  
and 5 mm or 10 mm thick



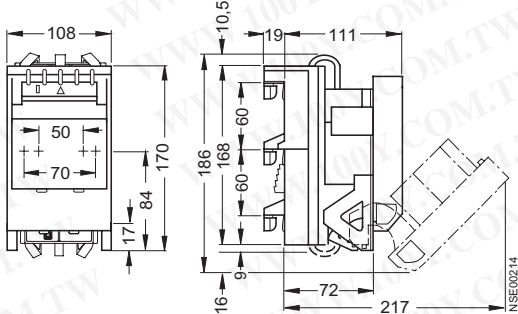
**3NP40 76-0F**

with busbar adapter, flat, 60 mm,  
busbars 12 mm or 30 mm wide  
and 5 mm or 10 mm thick



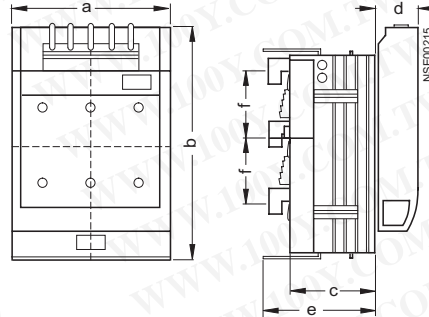
## Project planning aids

**3NP40 76-1**  
 with busbar adapter,  
 for busbars 12 mm to 30 mm wide  
 and 5 mm or 10 mm thick,  
 flat, T-shaped and double-T-shaped



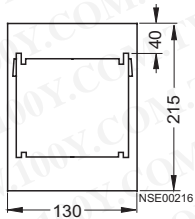
**3NP42 75-1**  
**3NP42 76-1**  
**3NP43 76-1**  
**3NP44 76-1**

with busbar adapter,  
 for busbars 12 mm to 30 mm wide  
 and 5 mm or 10 mm thick,  
 flat, T-shaped and double-T-shaped

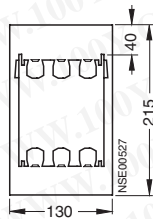


Type	a	b <sup>1)</sup>	c	d	e	f
3NP42 75-1	184	243	83 <sup>2)</sup>	45.5	111	40
3NP42 76-1	184	243	83 <sup>2)</sup>	45.5	111	60
3NP43 76-1	210	288	97	48	125	60
3NP44 76-1	256	300	112	48	139	60

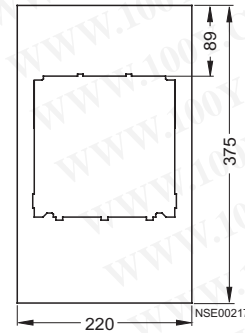
**3NY7 200 molded-plastic masking frame**  
 for 3NP40 7  
 for installation in any distribution board



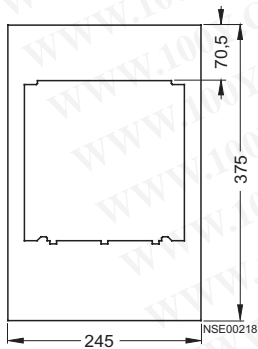
**3NY7 201 molded-plastic masking frame**  
 for 3NP40 7.-  
 for 3NP40 7.-CA01



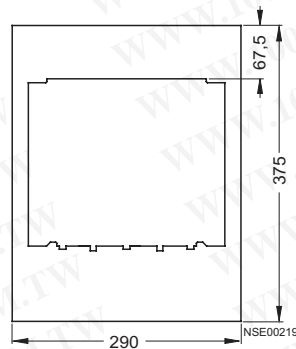
**3NY7 220 molded-plastic masking frame**  
 for 3NP42  
 for installation in any distribution board



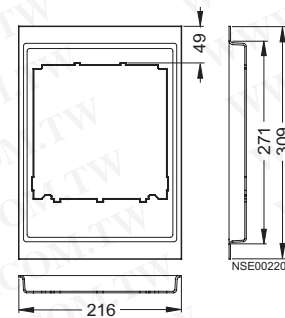
**3NY7 230 molded-plastic masking frame**  
 for 3NP43  
 for installation in any distribution board



**3NY7 240 molded-plastic masking frame**  
 for 3NP44  
 for installation in any distribution board



**3NY7 820 molded-plastic masking frame**  
 for one 3NP42 70 switch disconnector  
 for installation in STAB/SIKUS switchboards

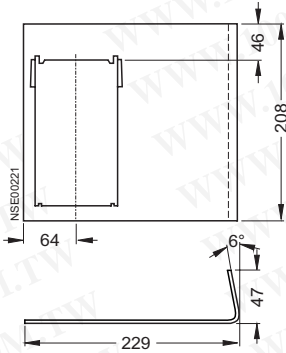


- 1) For VBG4 plus dimension c of the cable lug covers (see Page 6/61).
- 2) The 3NY7 820 molded-plastic masking frame is used for depth compensation (below) when installed together with size 000 or size 00 in STAB/SIKUS switchboards.

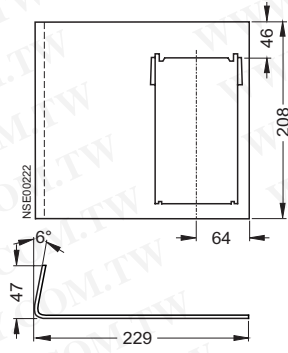
勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
 Http://www.100y.com.tw

Project planning aids

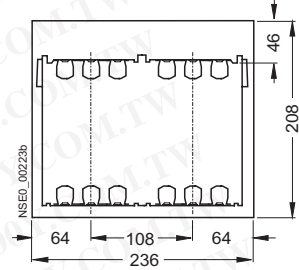
**3NY7 500 molded-plastic masking frame**  
 for one 3NP40 switch disconnector, left  
 for installation in SIKUS 3200, STAB 160 and  
 400 and SIKUS 630 switchboards



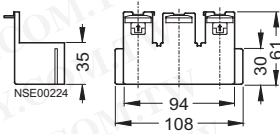
**3NY7 501 molded-plastic masking frame**  
 for one 3NP40 switch disconnector, right  
 for installation in SIKUS 3200, STAB 160 and  
 400 and SIKUS 630 switchboards



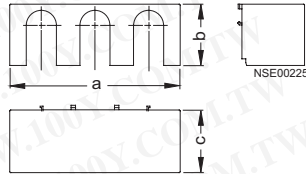
**3NY7 502 molded-plastic masking frame**  
 for two 3NP40 switch disconnectors,  
 for installation in SIKUS 3200, STAB 160 and  
 400 and SIKUS 630 switchboards



**Cable lug cover for 3NP40 7  
 with flat connector, 3NY7 101**



**Cable lug cover for 3NP42 to 3NP44,  
 3NY7 121, 3NY7 131, 3NY7 141**

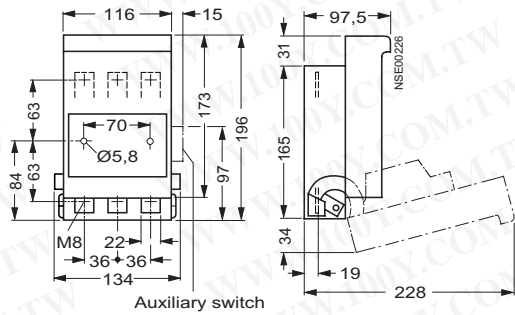


Type	a	b	c
3NY7 121	181	65	67
3NY7 131	207	79	50
3NY7 141	253	94	47

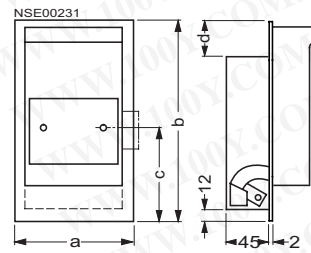
勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
 Http://www.100y.com.tw

**Project planning aids**

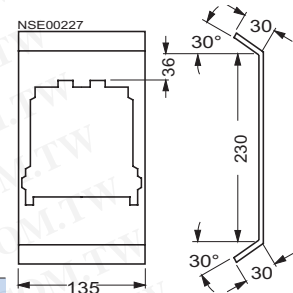
**3NP50 60, 160 A**  
 for surface mounting



**3NP50 60, 160 A**  
 with molded-plastic masking frame  
 for any installation

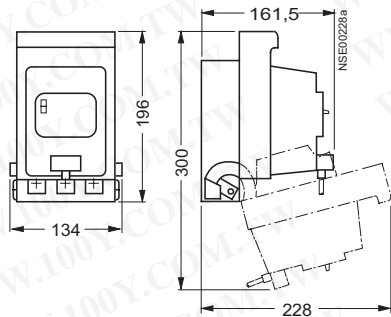


**3NY1 107 molded-plastic masking frame**



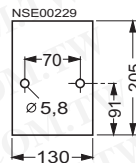
Type	a	b	c	d
3NY1 105	135	215	95.5	38
3NY1 115	135	215	95.5	38
3NY1 106	135	290	144.5	64
3NY1 108	135	290	144.5	64
3NY1 208	149	250	115	53.5

**3NP50 60, 160 A**  
 with fuse monitoring by 3RV1 circuit-breaker,  
 with plug connector

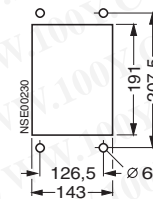


**For plastic frames**

Mounting cutout for 3NP50 60, with and without auxiliary contact

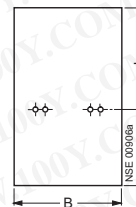


Mounting cutout for 3NY1 208 installation kit



**For metal frames**

Mounting cutouts for 3NP5



Type	Masking frame between assembly kit		Panel cutout min.			
	Type	B	H	B	H	h <sup>1)</sup>
3NP50 6	3NY1 105 <sup>2)</sup>	135	215	130	206	115
3NP50 6	3NY1 125					
3NP52 6	3NY1 210	222	300	210	293	146
3NP53 6	3NY1 211	245	300	235	293	146
3NP54 6	3NY1 212	290	300	280	293	146
	Molded-plastic masking frame in front of control panel					
Type	Type	B	H	B	H	h <sup>1)</sup>
3NP50 6	3NY1 105	135	215	130	205	115
3NP50 6	3NY1 208	149	250	143	191	-
3NP52 6	3NY1 210	220	300	210	262	132
3NP53 6	3NY1 211	245	300	234	262	132
3NP54 6	3NY1 212	290	300	279	262	132

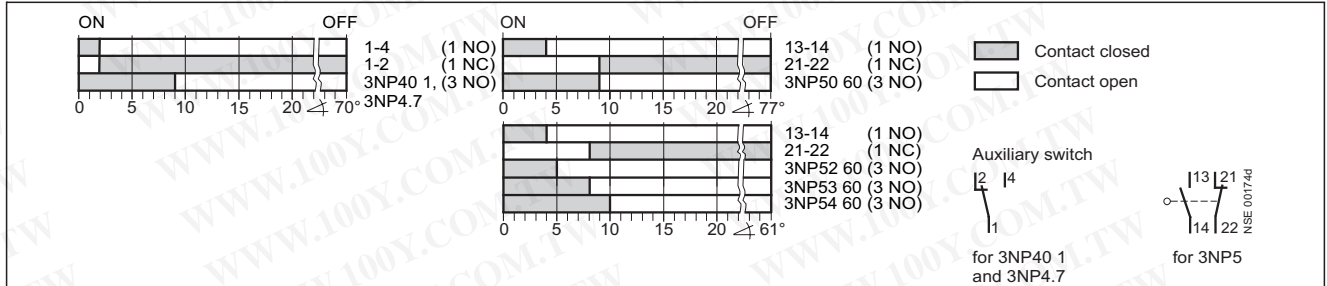
- 1) h = distance from top edge of switch panel cutout to center of disconnect mounting.
- 2) With standard molded-plastic masking frame behind the control panel and corresponding control panel cutout, the specified switching capacity is reduced to the following AC 23B values: at 400 V I<sub>e</sub> 160 A, at 500 V from I<sub>e</sub> 160 V to 125 A and at 690 V from I<sub>e</sub> 100 A to 50 A.



**Project planning aids**

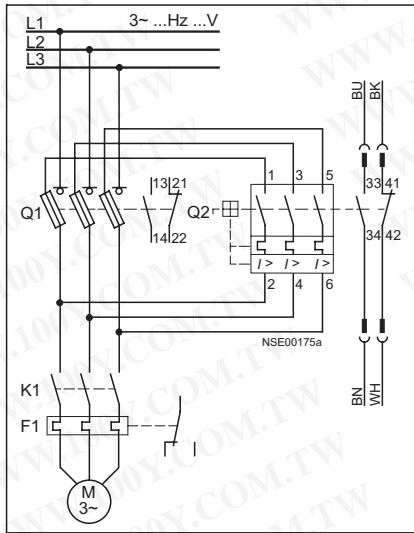
**Circuit diagrams**

Function of auxiliary contacts and main contacts of SENTRIC 3NP4 and 3NP5

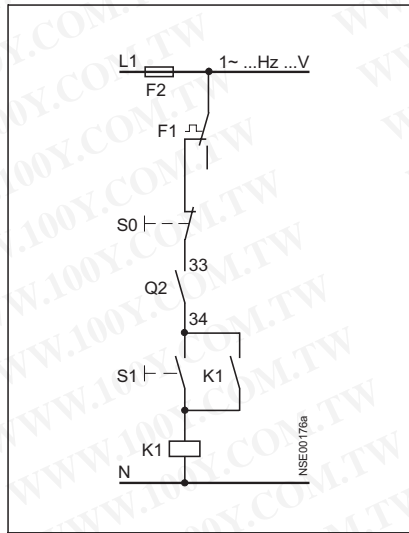


**SENTRIC 3NP fuse switch disconnecter with fuse monitoring (with 3RV1 circuit-breaker, with auxiliary switch 1 NO + 1 NC)**

Circuit diagram of the main circuit



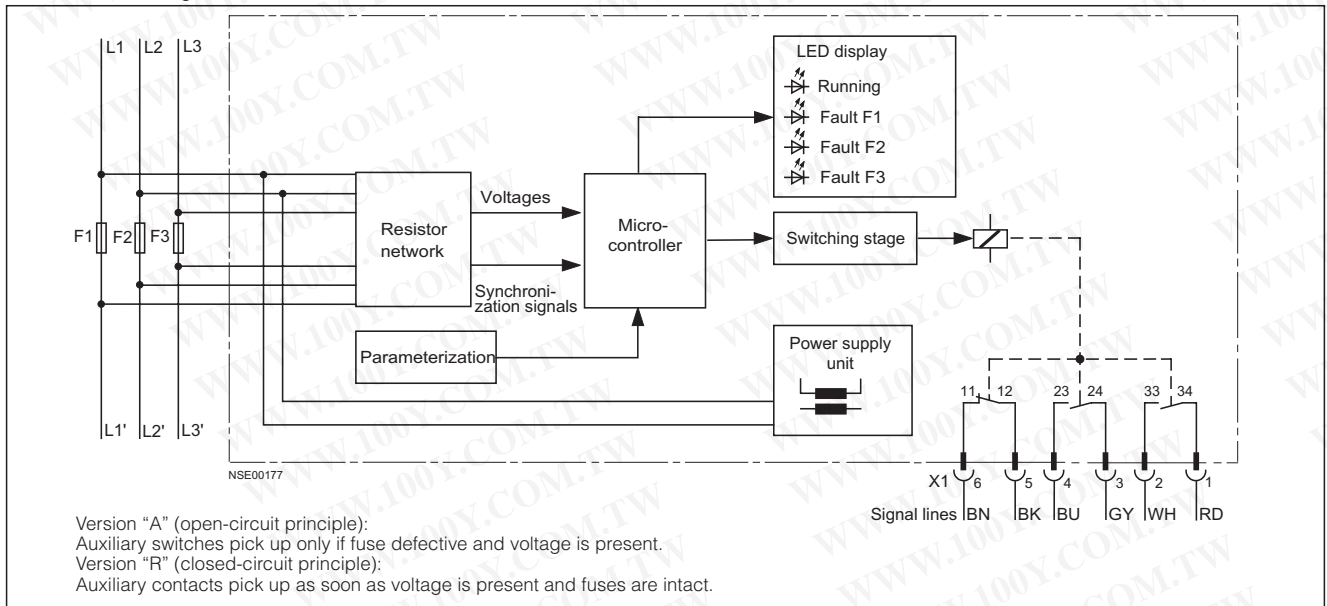
Circuit diagram of the auxiliary circuit



- Q1 = Fuse switch disconnecter
- Q2 = Circuit-breaker
- K1 = Contactor
- S1 = ON button
- S0 = OFF button
- F1 = Overload relay
- F2 = Control-circuit fuse

**SENTRIC 3NP5 fuse switch disconnecter with electronic fuse monitoring**

Schematic circuit diagram



# SENTRIC KL and 3KM Switch Disconnectors with Fuses

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

## General data

### Area of application

SENTRIC KL and 3KM switch disconnectors with fuses protect against overload and short-circuits as main control and EMERGENCY-STOP switches for switchboards, distribution boards, power supply feeders and motor feeders. In conjunction with Siemens SITOR semiconductor protection fuses, they are also used in UPS systems, frequency converters and capacitor control systems.

All SENTRIC K switch disconnectors are climate-proof and meet the requirements of IEC 60947-1, IEC 60947-3 and VDE 0660 Part 107.

### Design

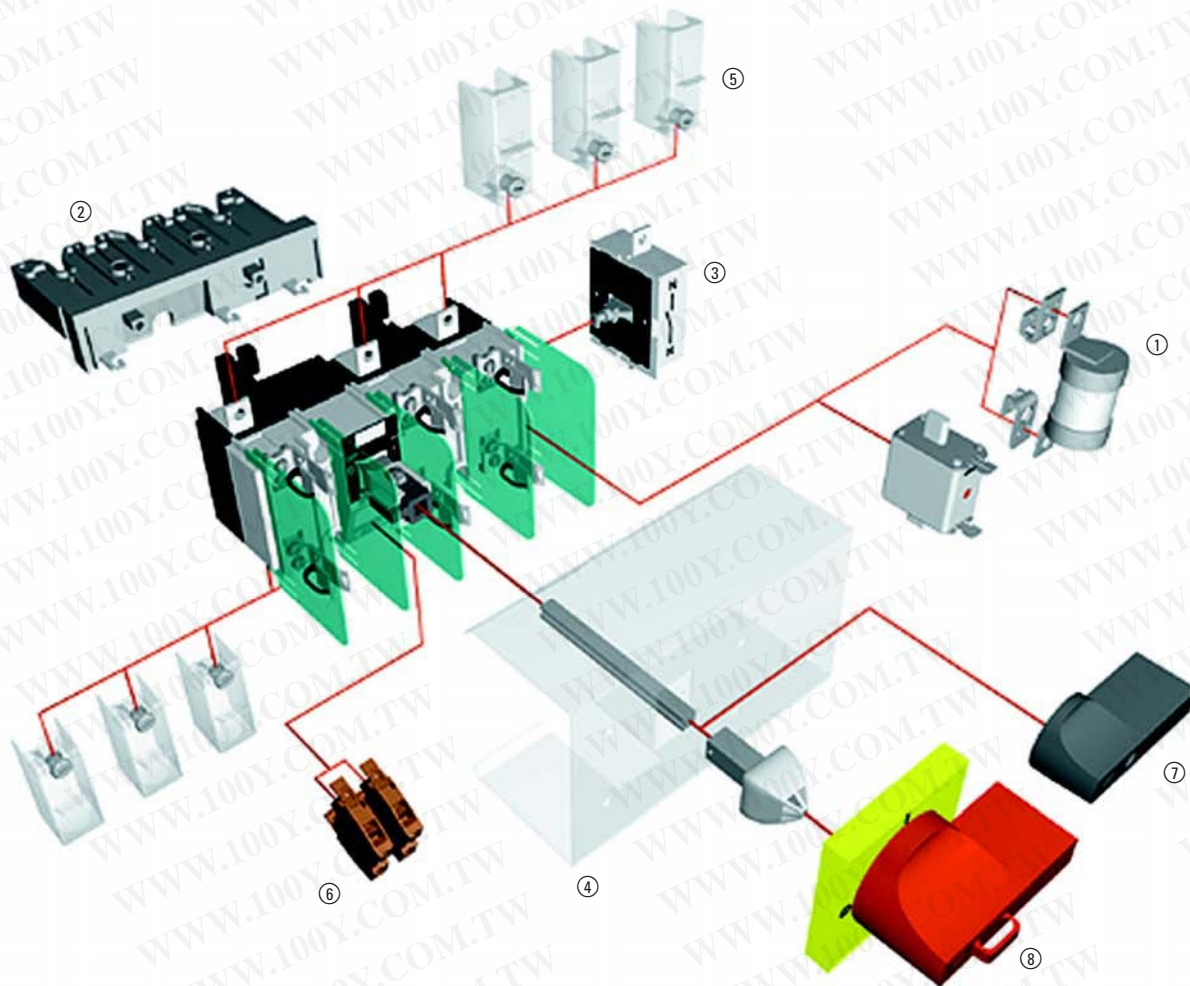
All switch disconnectors feature double contact interruption and an isolating distance. As a result, the fuses are de-energized when the switch disconnectors are in the disconnected position.

The 3KM switch disconnector fuses also feature an isolating plug connector. This facilitates installation and contact establishment in motor control centers (MCCs) in conjunction with vertical busbars.

Generally, all SENTRIC 3K.5 switch disconnectors can be secured on the shaft with a padlock to prevent unauthorized re-closing.

The fact that the accessories for SENTRIC KA, KL and 3KM switch disconnectors with and without fuses are identical simplifies the keeping of stocks.

Please inquire about a special variant with reduced values that is particularly resistant to atmospheres high in sulfur, e.g. in the paper and cellulose processing industries.



- ① Can be converted from IEC LV HRC to British Standard BS 88 fuses.
- ② As standard, 3KM switch disconnectors with fuses feature a rear isolating plug connector for use in motor control centers (MCCs).
- ③ Switchable 4th pole can easily be fitted later.
- ④ IP20 fuse cover.
- ⑤ Single-pole IP20 terminal cover from 63 A to 630 A.
- ⑥ Standard products from the Siemens 3SB1 range are used as auxiliary switches.

### Optional

- ⑦ Selector switch for fixed installation 8UC9 as standard version (black) or as an EMERGENCY-STOP version (red) or
- ⑧ 8UC6 door-coupling rotary operating mechanism with automatic tolerance compensation of  $\pm 5$  mm in the horizontal and vertical directions. Standard (black) or EMERGENCY-STOP version (red/yellow). All components from the switch to the operating mechanism have non-interchangeability features.