

# SENTRON Switching and Protection Devices – Switch Disconnectors, 8US Busbar Systems

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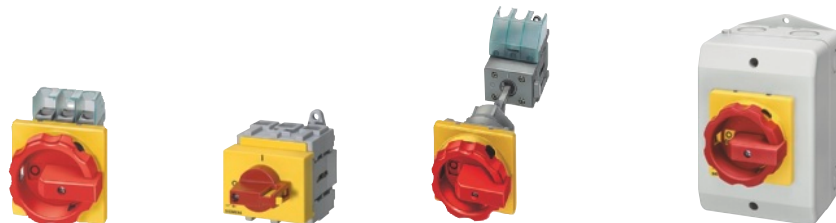
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# SENTRON Switch Disconnectors, 8US Busbar Systems

## Introduction

## Overview



Type	3LD20	3LD21	3LD22	3LD25	3LD27	3LD28	
<b>3LD main and EMERGENCY-STOP switches from 16 A to 250 A</b>							
<b>Rated uninterrupted current <math>I_u</math></b>							
At 35 °C ambient temperature	A	16	25	32	100	100	125
<b>Rated operational voltage</b>							
$U_e$	V	690	690	690	690	690	690
<b>AC-3 motor load switches</b>							
Operational switching of individual motors							
• At 220 ... 240 V	kW	3.0	4.0	5.5	18.5	18.5	22.0
• At 380 ... 440 V	kW	5.5	7.5	9.5	30.0	30.0	37.0
• At 660/690 V	kW	5.5	7.5	9.5	22.0	22.0	30.0
<b>AC-23A main control switches, repair switches</b>							
Frequent, but not operational switching of single motors							
• At 220 ... 240 V	kW	4.0	5.0	6.0	18.5	18.5	22.0
• At 380 ... 440 V	kW	7.5	9.5	11.5	37.0	37.0	45.0
• At 660/690 V	kW	7.5	9.5	11.5	30.0	30.0	37.0
<b>Switch versions</b>							
Front mounting							
• Central		✓	✓	✓	--	--	--
• Four-hole		✓	✓	✓	✓	✓	✓
Floor mounting							
• Central		✓	✓	✓	--	--	--
• Four-hole		✓	✓	✓	✓	✓	✓
Distribution board mounting		✓	✓	✓	✓	✓	✓
Molded-plastic enclosure							
• Metric screwed glands		✓	✓	✓	✓	✓	✓
<b>Switch accessories</b>							
4th pole (N conductor) (leading switch-on, delayed switch-off)		✓	✓	✓	✓	✓	✓
N terminals		✓	✓	✓	✓	✓	✓
PE-terminals		✓	✓	✓	✓	✓	✓
Auxiliary contact elements							
• 1 NO + 1 NC		✓	✓	✓	✓	✓	✓

✓ Available

-- Not available



Type		3NP	3K	3NJ4	3NJ6
<b>SENTRON switch disconnectors</b>					
<b>Rated uninterrupted current <math>I_u</math></b>					
At 35 °C ambient temperature	A	160 to 630	63 to 1000	160 to 1250	160 to 630
<b>Rated operational voltage</b>					
$U_e$	V	690	690	690	690
<b>AC-21</b>					
At 400 V		✓	✓	✓	✓
At 500 V		✓	✓	✓	✓
At 690 V		✓	✓	✓	✓
<b>AC-22</b>					
At 400 V		✓	✓	✓	✓
At 500 V		✓	✓	✓	✓
At 690 V		✓	✓	✓	✓
<b>AC-23</b>					
At 400 V		✓	✓	--	✓
At 500 V		--	✓	--	✓
At 690 V		--	✓	--	✓
<b>Switch versions</b>					
Front mounting		--	✓	--	--
Floor mounting		✓	✓	--	--
<b>Busbars</b>					
• 40 mm		✓	--	--	--
• 60 mm		✓	✓	--	--
• 185 mm		--	--	✓	✓
Molded-plastic enclosure		✓	✓	--	--
<b>Switch accessories</b>					
<b>Auxiliary contact elements</b>					
• 1 NO + 1 NC		--	✓	--	✓
• 1 CO		✓	✓	✓	--
<b>Fuse monitoring</b>					
• With circuit breakers		✓	✓	✓	--
• With electronics		✓	✓	✓	--
Current transformers		--	--	✓	✓

✓ Available

-- Not available

# SENTRON Switch Disconnectors, 8US Busbar Systems

## Introduction



Type	40 mm busbar system	60 mm busbar system
<b>SENTRON 8US busbar systems</b>		
<b>Adapters for SIRIUS size S00/S0</b>		
Motor starter protectors/circuit breakers	✓	✓
Motor starter protectors/circuit breakers + lateral auxiliary switch	✓	✓
Contactors + overload relay	✓	✓
Direct-on-line start load feeders	✓	✓
Reversing feeder	✓	✓
<b>Adapters for SIRIUS size S2</b>		
Motor starter protectors/circuit breakers	✓	✓
Motor starter protectors/circuit breakers + lateral auxiliary switch	✓	✓
Contactors + overload relay	✓	✓
Direct-on-line start load feeders	✓	✓
Reversing feeder	✓	✓
<b>Adapters for SIRIUS size S3</b>		
Motor starter protectors/circuit breakers	✓	✓
<b>Adapters for 3VF circuit breakers</b>		
3VF3	✓	✓
3VF4	--	✓
3VF5	--	✓
<b>Adapters for 3VL circuit breakers</b>		
3VL1	✓	✓
3VL2	✓	✓
3VL3	--	✓
3VL4	--	✓
<b>Adapters for 3KA switch disconnectors</b>		
3KA52	--	✓
3KA53	--	✓
3KA55	--	✓
3KA57	--	✓
3KA58	--	✓
<b>Adapters for 3NP fuse switch disconnectors</b>		
3NP50 60	--	✓
3NP52	--	✓
3NP53	--	✓
3NP54	--	✓

✓ Standard

-- Not available

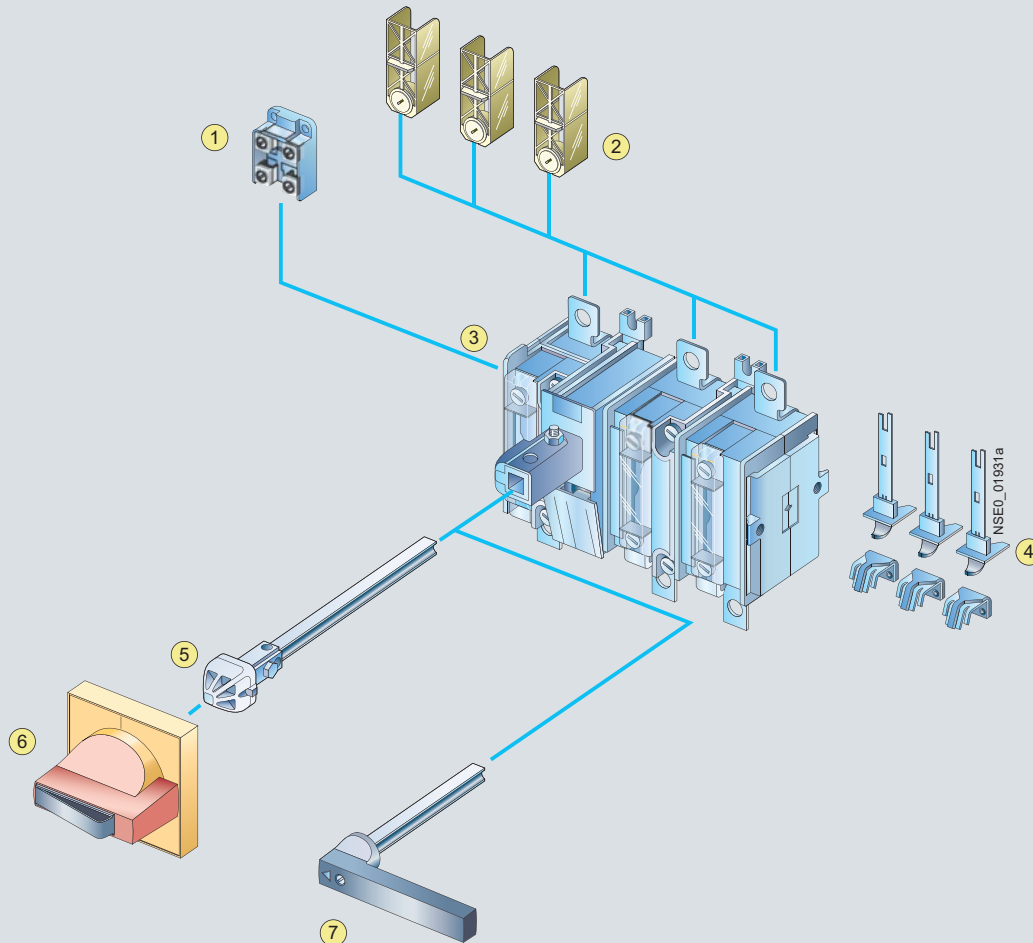


# 3KA, 3KE, 3LD Switch Disconnectors

## 3KA, 3KE Switch Disconnectors up to 1000 A

General data

### Overview



- ① Auxiliary switch (3SB for 3KA; 3KX for 3KE)
- ② IP20 terminal cover (PROFIBUS)
- ③ 3K switch disconnector
- ④ Arcing contacts (only for 3KE)
- ⑤ Extension shaft
- ⑥ 8UC7 door-coupling rotary operating mechanism in standard version (ti-grey) or EMERGENCY-STOP version (red/yellow).
- ⑦ 8UC9 knob for fixed mounting in standard version (black) or EMERGENCY-STOP version (red/yellow).

All components from the switch to the actuator are provided with non-interchangeability features.

### Application

3KA and 3KE switch disconnectors are used as main control, EMERGENCY-STOP, maintenance and transfer switches in distribution boards for residential and non-residential buildings as well as industrial switchboards. As three and four-pole versions, they ensure activation and deactivation of the specified rated current under load. At the same time, they constitute a safety isolating function and isolating distance in all low-voltage circuits.

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

Switch disconnectors in the type-tested 8HP molded-plastic distribution board enclosure (degree of protection IP65) are available for use as safety switches.

More data can be found in the catalog "ALPHA Distribution Boards and Terminal Blocks" (Order No. E86060-K8210-A101-A8-7600).

# 3KA, 3KE, 3LD Switch Disconnectors

## 3KA, 3KE Switch Disconnectors up to 1000 A

### Floor mounting

#### Application

3KA switch disconnectors are implemented as main control switches and EMERGENCY-STOP switches for normal switching duty and isolation of main circuits and auxiliary circuits. Another field of application is the switching of induction motors and other loads in the event of maintenance and repair.

Main control and EMERGENCY-STOP switches are manually operated switch disconnectors according to IEC 60947-3 and EN 60947-3 (VDE 0660 Part 107) and comply with the conditions for switch disconnectors and the requirements of the machinery directive EN 60204-1.

#### Selection and ordering data

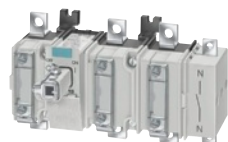
*All switch disconnectors with degree of protection IP00*

*Conductor connecting screws are generally included in the scope of supply*

Rated uninterrupted current $I_u$	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A							kg
<b>Complete versions with 8UC7 door-coupling rotary operating mechanism (black handle)</b>							
<b>3-pole for motor loads and for power distribution</b>							
63	B	3KA50 30-1GE01		1	1 unit	103	1.444
80	B	3KA51 30-1GE01		1	1 unit	103	1.403
125	B	3KA52 30-1GE01		1	1 unit	103	2.383
160	B	3KA53 30-1GE01		1	1 unit	103	2.426
250	B	3KA55 30-1GE01		1	1 unit	103	5.475
400	B	3KA57 30-1GE01		1	1 unit	103	5.556
630	B	3KA58 30-1GE01		1	1 unit	103	6.128
<b>4-pole<sup>1)</sup> for power distribution</b>							
63	B	3KA50 40-1GE01		1	1 unit	103	2.498
80	B	3KA51 40-1GE01		1	1 unit	103	2.540
125	B	3KA52 40-1GE01		1	1 unit	103	2.490
160	B	3KA53 40-1GE01		1	1 unit	103	2.458
250	B	3KA55 40-1GE01		1	1 unit	103	6.038
400	B	3KA57 40-1GE01		1	1 unit	103	5.154
630	B	3KA58 40-1GE01		1	1 unit	103	6.595
<b>Basic switch versions without handle</b>							
<b>3-pole for motor loads and for power distribution</b>							
63	B	3KA50 30-1AE01		1	1 unit	103	0.946
80	B	3KA51 30-1AE01		1	1 unit	103	0.918
125	B	3KA52 30-1AE01		1	1 unit	103	1.880
160	▶	3KA53 30-1AE01		1	1 unit	103	2.028
250	B	3KA55 30-1AE01		1	1 unit	103	4.514
400	B	3KA57 30-1AE01		1	1 unit	103	4.630
630	B	3KA58 30-1AE01		1	1 unit	103	5.151
<b>4-pole<sup>1)</sup> for power distribution</b>							
63	B	3KA50 40-1AE01		1	1 unit	103	2.100
80	B	3KA51 40-1AE01		1	1 unit	103	2.112
125	B	3KA52 40-1AE01		1	1 unit	103	2.090
160	B	3KA53 40-1AE01		1	1 unit	103	2.240
250	C	3KA55 40-1AE01		1	1 unit	103	5.042
400	B	3KA57 40-1AE01		1	1 unit	103	5.195
630	B	3KA58 40-1AE01		1	1 unit	103	5.740
<b>8UC7 EMERGENCY-STOP door-coupling rotary operating mechanisms (red handle, yellow indicator plate) for basic switch versions without handle</b>							
<b>3-pole for motor loads and for power distribution</b>							
63	C	8UC71 21-3BB10		1	1 unit	103	0.200
80	C	8UC71 21-3BB10		1	1 unit	103	0.200
125	C	8UC72 22-3BB20		1	1 unit	103	0.200
160	C	8UC72 22-3BB20		1	1 unit	103	0.200
250	C	8UC73 23-3BB30		1	1 unit	103	0.200
400	C	8UC73 23-3BB30		1	1 unit	103	0.200
630	C	8UC73 23-3BB30		1	1 unit	103	0.200
<b>4-pole<sup>1)</sup> for power distribution</b>							
63	C	8UC72 22-3BB20		1	1 unit	103	0.200
80	C	8UC72 22-3BB20		1	1 unit	103	0.200
125	C	8UC72 22-3BB20		1	1 unit	103	0.200
160	C	8UC72 22-3BB20		1	1 unit	103	0.200
250	C	8UC73 23-3BB30		1	1 unit	103	0.200
400	C	8UC73 23-3BB30		1	1 unit	103	0.200
630	C	8UC73 23-3BB30		1	1 unit	103	0.200



3KA53 30-1AE01



3KA53 40-1AE01

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

For 8UC7 EMERGENCY-STOP door-coupling rotary operating mechanisms (red handle, yellow indicator plate), see Accessories.

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

# 3KA, 3KE, 3LD Switch Disconnectors

## 3KA, 3KE Switch Disconnectors up to 1000 A

Floor mounting

Rated uninterrupted current $I_u$	DT	<b>3-pole, assembly kit for mounting in control cabinet side panel</b>	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
		<b>Assembly kits (IP40)</b> Comprising: Lockable handle and three terminal covers for the infeed side				
		Order No.	Price per PU			kg
<b>Black handles</b>						
A						
63	B	<b>3KX3 516-2AA</b>		1	1 unit	103 0.591
80	B	<b>3KX3 516-2AA</b>		1	1 unit	103 0.591
125	B	<b>3KX3 536-2AA</b>		1	1 unit	103 0.843
160	B	<b>3KX3 536-2AA</b>		1	1 unit	103 0.843
250	B	<b>3KX3 556-2AA</b>		1	1 unit	103 1.560
400	B	<b>3KX3 556-2AA</b>		1	1 unit	103 1.560
630	B	<b>3KX3 556-2AA</b>		1	1 unit	103 1.560
<b>EMERGENCY-STOP red handles</b>						
63	B	<b>3KX3 516-2BA</b>		1	1 unit	103 0.584
80	B	<b>3KX3 516-2BA</b>		1	1 unit	103 0.584
125	B	<b>3KX3 536-2BA</b>		1	1 unit	103 0.860
160	B	<b>3KX3 536-2BA</b>		1	1 unit	103 0.860
250	B	<b>3KX3 556-2BA</b>		1	1 unit	103 1.590
400	B	<b>3KX3 556-2BA</b>		1	1 unit	103 1.590
630	B	<b>3KX3 556-2BA</b>		1	1 unit	103 1.590



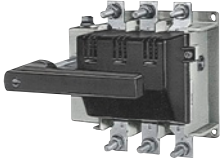
3KA53 30-1AE01 with  
3KX3 536-2AA

# 3KA, 3KE, 3LD Switch Disconnectors

## 3KA, 3KE Switch Disconnectors up to 1000 A

### Floor mounting

All switch disconnectors with degree of protection IP00 with high speed closing and opening conductor connecting screws are generally included in the scope of supply

Rated uninterrupted current $I_U$	DT	3-pole, operating mechanism and actuation from the front	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A		Direct operating mechanisms	Order No.	Price per PU		kg
<b>Complete versions with black handle</b>						
 3KE43 30-0BA	250	B	<b>3KE42 30-0BA</b>	1	1 unit	103 4.210
	400	B	<b>3KE43 30-0BA</b>	1	1 unit	103 4.178
	630	B	<b>3KE44 30-0BA</b>	1	1 unit	103 7.184
	1000	B	<b>3KE45 30-0BA</b>	1	1 unit	103 7.838
<b>Basic switch versions without handle</b>						
250	B	<b>3KE42 30-0AA</b>	1	1 unit	103	3.879
400	B	<b>3KE43 30-0AA</b>	1	1 unit	103	3.870
630	B	<b>3KE44 30-0AA</b>	1	1 unit	103	6.915
1000	B	<b>3KE45 30-0AA</b>	1	1 unit	103	7.427
<b>EMERGENCY-STOP red handles + coupling sockets for basic switch versions without handle</b>						
250	B	<b>8UC93 71</b>	1	1 unit	103	0.146
	B	<b>+ 3KX2 210-0H</b>	1	1 unit	103	0.236
400	B	<b>8UC93 71</b>	1	1 unit	103	0.146
	B	<b>+ 3KX2 210-0H</b>	1	1 unit	103	0.236
630	B	<b>8UC93 75</b>	1	1 unit	103	0.165
	B	<b>+ 3KX2 210-0H</b>	1	1 unit	103	0.236
1000	B	<b>8UC93 75</b>	1	1 unit	103	0.165
	B	<b>+ 3KX2 210-0H</b>	1	1 unit	103	0.236
Rated uninterrupted current $I_U$	DT	3-pole, operating mechanism and actuation from the front	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A		Door-coupling rotary operating mechanisms (lockable)	Order No.	Price per PU		kg
<b>Complete versions with 8UC7 door-coupling rotary operating mechanism (black handle)</b>						
250	B	<b>3KE42 30-0GA</b>	1	1 unit	103	5.032
400	B	<b>3KE43 30-0GA</b>	1	1 unit	103	5.041
630	B	<b>3KE44 30-0GA</b>	1	1 unit	103	7.885
1000	B	<b>3KE45 30-0GA</b>	1	1 unit	103	8.532
<b>Basic switch versions without handle</b>						
250	B	<b>3KE42 30-0AA</b>	1	1 unit	103	3.879
400	B	<b>3KE43 30-0AA</b>	1	1 unit	103	3.870
630	B	<b>3KE44 30-0AA</b>	1	1 unit	103	6.915
1000	B	<b>3KE45 30-0AA</b>	1	1 unit	103	7.427
<b>8UC7 EMERGENCY-STOP door-coupling rotary operating mechanisms (red handle, yellow indicator plate) for basic switch versions without handle</b>						
250, 400, 630, 1000	C	<b>8UC73 24-3BB44</b>	1	1 unit	103	0.200

# 3KA, 3KE, 3LD Switch Disconnectors

## 3KA, 3KE Switch Disconnectors up to 1000 A

Floor mounting

Rated uninterrupted current $I_u$	DT	3-pole, rear operating mechanism and actuation	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A		Order No.	Price per PU			kg
<b>Basic switch versions without handle</b>						
<b>Direct operating mechanisms</b>						
250	B	3KE42 30-0CA		1	1 unit	103 5.306
400	B	3KE43 30-0CA		1	1 unit	103 5.030
630	C	3KE44 30-0CA		1	1 unit	103 7.395
1000	C	3KE45 30-0CA		1	1 unit	103 7.990
<b>Direct operating mechanisms (lockable)</b>						
250	B	3KE42 30-0CA		1	1 unit	103 5.306
400	B	3KE43 30-0CA		1	1 unit	103 5.030
630	C	3KE44 30-0CA		1	1 unit	103 7.395
1000	C	3KE45 30-0CA		1	1 unit	103 7.990
<b>Handles (black) + masking plates + display plates (silver) for basic switch versions without handle</b>						
<b>Direct operating mechanisms</b>						
250	B	8UC93 70		1	1 unit	103 0.128
	A	+ 8UB95 30		1	1 unit	103 0.028
	A	+ 8UC96 31-0B		1	1 unit	103 0.011
400	B	8UC93 70		1	1 unit	103 0.128
	A	+ 8UB95 30		1	1 unit	103 0.028
	A	+ 8UC96 31-0B		1	1 unit	103 0.011
630	B	8UC93 74		1	1 unit	103 0.145
	A	+ 8UB95 30		1	1 unit	103 0.028
	A	+ 8UC96 31-0B		1	1 unit	103 0.011
1000	B	8UC93 74		1	1 unit	103 0.145
	A	+ 8UB95 30		1	1 unit	103 0.028
	A	+ 8UC96 31-0B		1	1 unit	103 0.011
<b>Direct operating mechanisms (lockable)</b>						
250	B	8UC93 70		1	1 unit	103 0.128
	B	+ 8UC95 63		1	1 unit	103 0.271
	A	+ 8UC96 31-0B		1	1 unit	103 0.011
400	B	8UC93 70		1	1 unit	103 0.128
	B	+ 8UC95 63		1	1 unit	103 0.271
	A	+ 8UC96 31-0B		1	1 unit	103 0.011
630	B	8UC93 74		1	1 unit	103 0.145
	B	+ 8UC95 63		1	1 unit	103 0.271
	A	+ 8UC96 31-0B		1	1 unit	103 0.011
1000	B	8UC93 74		1	1 unit	103 0.145
	B	+ 8UC95 63		1	1 unit	103 0.271
	A	+ 8UC96 31-0B		1	1 unit	103 0.011

# 3KA, 3KE, 3LD Switch Disconnectors

## 3KA, 3KE Switch Disconnectors up to 1000 A

### Floor mounting

Rated uninterrupted current $I_U$	DT	3-pole, rear operating mechanism and actuation	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A		Order No.	Price per PU			kg
<b>EMERGENCY-STOP red handles + masking plates + display plates (yellow) for basic switch versions without handle</b>						
<b>Direct operating mechanisms</b>						
250	B	<b>8UC93 71</b>		1	1 unit	103 0.146
	A	+ <b>8UB95 30</b>		1	1 unit	103 0.028
	A	+ <b>8UC96 33-0B</b>		1	1 unit	103 0.011
400	B	<b>8UC93 71</b>		1	1 unit	103 0.146
	A	+ <b>8UB95 30</b>		1	1 unit	103 0.028
	A	+ <b>8UC96 33-0B</b>		1	1 unit	103 0.011
630	B	<b>8UC93 75</b>		1	1 unit	103 0.165
	A	+ <b>8UB95 30</b>		1	1 unit	103 0.028
	A	+ <b>8UC96 33-0B</b>		1	1 unit	103 0.011
1000	B	<b>8UC93 75</b>		1	1 unit	103 0.165
	A	+ <b>8UB95 30</b>		1	1 unit	103 0.028
	A	+ <b>8UC96 33-0B</b>		1	1 unit	103 0.011
<b>Direct operating mechanisms (lockable)</b>						
250	B	<b>8UC93 71</b>		1	1 unit	103 0.146
	B	+ <b>8UC95 63</b>		1	1 unit	103 0.271
	A	+ <b>8UC96 33-0B</b>		1	1 unit	103 0.011
400	B	<b>8UC93 71</b>		1	1 unit	103 0.146
	B	+ <b>8UC95 63</b>		1	1 unit	103 0.271
	A	+ <b>8UC96 33-0B</b>		1	1 unit	103 0.011
630	B	<b>8UC93 75</b>		1	1 unit	103 0.165
	B	+ <b>8UC95 63</b>		1	1 unit	103 0.271
	A	+ <b>8UC96 33-0B</b>		1	1 unit	103 0.011
1000	B	<b>8UC93 75</b>		1	1 unit	103 0.165
	B	+ <b>8UC95 63</b>		1	1 unit	103 0.271
	A	+ <b>8UC96 33-0B</b>		1	1 unit	103 0.011
<b>3-pole, rear rotary operating mechanism (lockable)</b>						
<b>Door-coupling rotary operating mechanism (lockable)</b>						
A		Order No.	Price per PU			kg
<b>Basic switch versions without handle</b>						
250	B	<b>3KE42 30-OCA</b>		1	1 unit	103 5.306
400	B	<b>3KE43 30-OCA</b>		1	1 unit	103 5.030
630	C	<b>3KE44 30-OCA</b>		1	1 unit	103 7.395
1000	C	<b>3KE45 30-OCA</b>		1	1 unit	103 7.990
<b>8UC7 door-coupling rotary operating mechanisms (black handle) for basic switch versions without handle</b>						
250, 400, 630, 1000	C	<b>8UC73 14-1BB44</b>		1	1 unit	103 0.200
<b>8UC7 EMERGENCY-STOP door-coupling rotary operating mechanisms (red handle, yellow indicator plate) for basic switch versions without handle</b>						
250, 400, 630, 1000	C	<b>8UC73 24-3BB44</b>		1	1 unit	103 0.200

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

# 3KA, 3KE, 3LD Switch Disconnectors

## 3KA, 3KE Switch Disconnectors up to 1000 A

Molded-plastic enclosures

### Benefits

- Lockable with 3 padlocks
- Generous terminal compartment
- Degree of protection IP65
- Maintenance-free
- Easy mounting


### Application

Our master and EMERGENCY-STOP switches provide absolute safety, even during maintenance and repair work. All-round safety for people and machines.

building and industrial installations as well as the food and chemical industry. Even with the enclosure open, they comply with Safety Class 2. IP20 is the minimum!

With their high degree of protection IP65, they can even withstand dust and water spray, providing unparalleled safety in the

### Selection and ordering data

Main contacts	Auxiliary contacts	P/AC-23A		$I_u$	Conductor cross-section of main conductor/PEN	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
		at 380 ... 400 V	at 660/690 V										
		kW	kW	A	mm <sup>2</sup>								
<b>Main control switches complete with rotary operating mechanism, black<sup>1)</sup></b>													
	3	--	65	110	125	35/35 <sup>2)</sup>	C	<b>8HP2 707</b>		1	1 unit	046	5.240
			80	150	160	120/70 <sup>2)</sup>	C	<b>8HP2 711</b>		1	1 unit	046	8.039
			132	220	250	150/70 <sup>2)</sup>	C	<b>8HP2 712</b>		1	1 unit	046	12.242
			200	375	400	2 × 150 or 1 × 240/120	C	<b>8HP2 717</b>		1	1 unit	046	12.378
			350	375	630	2 × 240/120	C	<b>8HP2 718</b>		1	1 unit	046	13.050
			315	315	800 <sup>3)</sup>	2 × 240/240	C	<b>8HP2 738</b>		1	1 unit	046	14.290
<b>EMERGENCY-STOP switches complete with rotary operating mechanism, red/yellow<sup>1)</sup></b>													
	3	--	65	110	125	35/35 <sup>2)</sup>	C	<b>8HP2 747</b>		1	1 unit	046	5.217
			80	150	160	120/70 <sup>2)</sup>	C	<b>8HP2 748</b>		1	1 unit	046	7.992
			132	220	250	150/70 <sup>2)</sup>	C	<b>8HP2 761</b>		1	1 unit	046	12.340
			200	375	400	2 × 150 or 1 × 240/120	C	<b>8HP2 762</b>		1	1 unit	046	12.354
			350	375	630	2 × 240/120	C	<b>8HP2 763</b>		1	1 unit	046	12.875
			315	315	800 <sup>3)</sup>	2 × 240/240	C	<b>8HP2 758</b>		1	1 unit	046	14.329

<sup>1)</sup> With PE-/ground or N terminal.

<sup>2)</sup> For a fifth conductor, the same terminal can be fitted additionally.

<sup>3)</sup> At ambient temperatures up to 35 °C.

# 3KA, 3KE, 3LD Switch Disconnectors

## 3KA, 3KE Switch Disconnectors up to 1000 A

### Accessories

#### Selection and ordering data

	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
<b>3KA50 30/3KA51 30</b>							
		<b>Terminal covers</b> (1 set = 6 units) for 3-pole devices (1 set = 8 units) for 4-pole devices					
	▶	<b>3KX3 552-3DA01</b>		1	1 unit	103	0.077
	B	<b>3KX3 552-3DB01</b>		1	1 unit	103	0.102
		<b>Door-coupling rotary operating mechanisms IP65</b> Black handle, shaft 300 mm EMERGENCY-STOP (yellow/red), shaft 300 mm					
	C	<b>8UC71 11-1BB10</b>		1	1 unit	103	0.200
	C	<b>8UC71 21-3BB10</b>		1	1 unit	103	0.200
	▶	<b>Operating mechanisms for fixed mounting</b> Black handle, shaft 250 mm		1	1 unit	103	0.088
	B	<b>3KX3 516-1AA</b>		1	1 unit	103	0.088
	B	<b>8UC60 31</b>		1	1 unit	103	0.068
	B	<b>8UC60 81</b>		1	1 unit	103	0.136
	B	<b>8UC60 21</b>		1	1 unit	103	0.031
	C	<b>Auxiliary switches</b> 1 NO + 1 NC <sup>1)</sup>		1	1 unit	102	0.020
	C	<b>3SB14 00-0A</b>		1	1 unit	102	0.020
<b>3KA50 40/3KA51 40/3KA52/3KA53</b>							
		<b>Terminal covers</b> (1 set = 6 units) for 3-pole devices 3KA52		1	1 unit	103	0.077
	▶	<b>3KX3 552-3DA01</b>		1	1 unit	103	0.077
	▶	<b>3KX3 553-3DA01</b>		1	1 unit	103	0.147
	B	<b>3KX3 552-3DB01</b>		1	1 unit	103	0.102
	B	<b>3KX3 553-3DB01</b>		1	1 unit	103	0.170
		<b>Door-coupling rotary operating mechanisms IP65</b> Black handle, shaft 300 mm EMERGENCY-STOP (yellow/red), shaft 300 mm					
	C	<b>8UC72 12-1BB20</b>		1	1 unit	103	0.200
	C	<b>8UC72 22-3BB20</b>		1	1 unit	103	0.200
	▶	<b>Operating mechanisms for fixed mounting</b> Black handle, shaft 250 mm		1	1 unit	103	0.155
	B	<b>3KX3 536-1AA</b>		1	1 unit	103	0.155
	B	<b>8UC60 32</b>		1	1 unit	103	0.132
	B	<b>8UC60 82</b>		1	1 unit	103	0.265
	B	<b>8UC60 22</b>		1	1 unit	103	0.023
	C	<b>Auxiliary switches</b> 1 NO + 1 NC <sup>1)</sup>		1	1 unit	102	0.020
	C	<b>3SB14 00-0A</b>		1	1 unit	102	0.020
	B	<b>3KX3 552-3EA01</b>		1	1 unit	103	0.019
	B	<b>3KX3 552-3EA01</b>		1	1 unit	103	0.019
<b>3KA55/3KA57/3KA58</b>							
		<b>Terminal covers</b> (1 set = 6 units) for 3-pole devices (1 set = 8 units) for 4-pole devices					
	▶	<b>3KX3 557-3DA01</b>		1	1 unit	103	0.277
	B	<b>3KX3 557-3DB01</b>		1	1 unit	103	0.362
		<b>Door-coupling rotary operating mechanisms IP65</b> Black handle, shaft 300 mm EMERGENCY-STOP (yellow/red), shaft 300 mm					
	C	<b>8UC73 13-1BB30</b>		1	1 unit	103	0.200
	C	<b>8UC73 23-3BB30</b>		1	1 unit	103	0.200
	▶	<b>Operating mechanisms for fixed mounting</b> Black handle, shaft 250 mm		1	1 unit	103	0.285
	C	<b>3KX3 176-1E</b>		1	1 unit	103	0.285
	C	<b>8UC60 33</b>		1	1 unit	103	0.217
	B	<b>8UC60 83</b>		1	1 unit	103	0.430
	B	<b>8UC60 23</b>		1	1 unit	103	0.085
	C	<b>Auxiliary switches</b> 1 NO + 1 NC <sup>1)</sup>		1	1 unit	102	0.020
	C	<b>3SB14 00-0A</b>		1	1 unit	102	0.020
	B	<b>3KX3 552-3EA01</b>		1	1 unit	103	0.019
	B	<b>3KX3 552-3EA01</b>		1	1 unit	103	0.019

<sup>1)</sup> For more 3SB14 00-0. contact blocks with other contact types, see our Mall.



# 3KA, 3KE, 3LD Switch Disconnectors

## 3KA, 3KE Switch Disconnectors up to 1000 A

### Accessories

Version	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
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#### 3KE42/3KE43



3KX2 210-0D

#### Changeover switches

##### Changeover switches with interruption

Switch I ON – Switch II OFF  
Switch I OFF – Switch II ON  
Switch I OFF – Switch II ON

B **3KX2 210-0D** 1 1 unit 103 2.442

##### Door-coupling rotary operating mechanisms IP65

Twin handle (black), shaft 300 mm

C **8UC74 14-1BF44** 1 1 unit 103 0.200

##### Direct operating mechanisms

Twin handle (black) for fixed mounting

B **8UC93 81** 1 1 unit 103 0.264

##### Changeover switches without interruption

Switch I ON – Switch II OFF  
Switch I ON – Switch II ON  
Switch I OFF – Switch II ON

B **3KX2 210-0E** 1 1 unit 103 2.448

##### Door-coupling rotary operating mechanisms IP65

Twin handle (black), shaft 300 mm

C **8UC74 14-1FG44** 1 1 unit 103 0.200

##### Direct operating mechanisms

Twin handle (black) for fixed mounting

B **8UC93 81** 1 1 unit 103 0.264

#### Parallel switches

Switch I ON – Switch II OFF  
Switch I OFF – Switch II OFF

C **3KX2 250-1A** 1 1 unit 103 0.750

##### Door-coupling rotary operating mechanisms IP65

Twin handle (black), shaft 300 mm

C **8UC74 14-1BB44** 1 1 unit 103 0.200

##### EMERGENCY-STOP door-coupling rotary operating mechanisms IP65

Twin handle (red), shaft 300 mm

C **8UC74 24-3BB44** 1 1 unit 103 0.200

##### Direct operating mechanisms

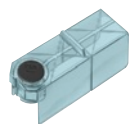
Twin handle (black) for fixed mounting

B **8UC93 81** 1 1 unit 103 0.264

#### Further accessories

##### Terminal covers (1 set = 6 units)

▶ **3KX3 557-3DA01** 1 1 unit 103 0.277



3KX3 557-3DA01

##### Door-coupling rotary operating mechanisms IP65

Black handle, shaft 300 mm  
EMERGENCY-STOP (yellow/red), shaft 300 mm

C **8UC73 14-1BB44** 1 1 unit 103 0.200

C **8UC73 24-3BB44** 1 1 unit 103 0.200

##### Extension shafts, 300 mm long

B **8UC60 34** 1 1 unit 103 0.315

##### Extension shafts, 600 mm long

B **8UC60 84** 1 1 unit 103 0.640

##### Auxiliary switches with switching cam 1 NO + 1 NC (complete mounting kit)

B **3KX2 231-1A** 1 1 unit 103 0.049



3KX2 231-1A

##### Grounding brackets

B **3KX2 252-1A** 1 1 unit 103 0.049

##### Arc chutes

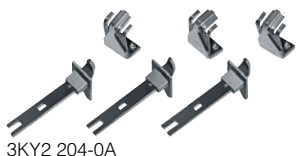
(spare part with 3 arc-splitter assemblies)

B **3KY2 202-0B** 1 1 unit 103 0.640

##### Arcing contacts

(spare part with 3 fixed and 3 movable contact pieces)

B **3KY2 204-0A** 1 1 unit 103 0.202



3KY2 204-0A

# 3KA, 3KE, 3LD Switch Disconnectors

## 3KA, 3KE Switch Disconnectors up to 1000 A

### Accessories

Version	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
<b>3KE44/3KE45</b>							
<i>Changeover switches</i>							
<b>Changeover switches with interruption</b>							
Switch I ON – Switch II OFF Switch I OFF – Switch II OFF Switch I OFF – Switch II ON	B	<b>3KX2 210-0D</b>		1	1 unit	103	2.442
<b>Door-coupling rotary operating mechanisms IP65</b> Twin handle (black), shaft 300 mm							
	C	<b>8UC74 14-1BF44</b>		1	1 unit	103	0.200
<b>Direct operating mechanisms</b> Twin handle (black) for fixed mounting							
	B	<b>8UC93 81</b>		1	1 unit	103	0.264
<b>Changeover switches without interruption</b>							
Switch I ON – Switch II OFF Switch I ON – Switch II ON Switch I OFF – Switch II ON	B	<b>3KX2 210-0E</b>		1	1 unit	103	2.448
<b>Door-coupling rotary operating mechanisms IP65</b> Twin handle (black), shaft 300 mm							
	C	<b>8UC74 14-1FG44</b>		1	1 unit	103	0.200
<b>Direct operating mechanisms</b> Twin handle (black) for fixed mounting							
	B	<b>8UC93 81</b>		1	1 unit	103	0.264
<i>Parallel switches</i>							
Switch I ON – Switch II OFF Switch I OFF – Switch II OFF	C	<b>3KX2 250-1A</b>		1	1 unit	103	0.750
<b>Door-coupling rotary operating mechanisms IP65</b> Twin handle (black), shaft 300 mm							
	C	<b>8UC74 14-1BB44</b>		1	1 unit	103	0.200
<b>EMERGENCY-STOP door-coupling rotary operating mechanisms IP65</b> Twin handle (red), shaft 300 mm							
	C	<b>8UC74 24-3BB44</b>		1	1 unit	103	0.200
<b>Direct operating mechanisms</b> Twin handle (black) for fixed mounting							
	B	<b>8UC93 81</b>		1	1 unit	103	0.264
<i>Further accessories</i>							
<b>Terminal covers</b> (top and bottom)							
	B	<b>3KX2 252-0C</b>		1	1 unit	103	0.424
<b>Door-coupling rotary operating mechanisms IP65</b> Black handle, shaft 300 mm							
	C	<b>8UC73 14-1BB44</b>		1	1 unit	103	0.200
EMERGENCY-STOP (yellow/red), square shaft 300 mm	C	<b>8UC73 24-3BB44</b>		1	1 unit	103	0.200
<b>Extension shafts, 300 mm long</b>							
	B	<b>8UC60 34</b>		1	1 unit	103	0.315
<b>Extension shafts, 600 mm long</b>							
	B	<b>8UC60 84</b>		1	1 unit	103	0.640
<b>Auxiliary switches</b> 1 NO + 1 NC (complete mounting kit)							
	B	<b>3KX2 231-1A</b>		1	1 unit	103	0.049
<b>Grounding brackets</b>							
	B	<b>3KX2 252-1A</b>		1	1 unit	103	0.049
<b>Arc chutes</b> (spare part with 3 arc-splitter assemblies)							
	B	<b>3KY2 232-0A</b>		1	1 unit	103	1.040
<b>Arcing contacts</b> (spare part with 3 fixed and 3 movable contact pieces)							
	B	<b>3KY2 234-0A</b>		1	1 unit	103	0.105



3KX2 210-0D



3KX2 231-1A



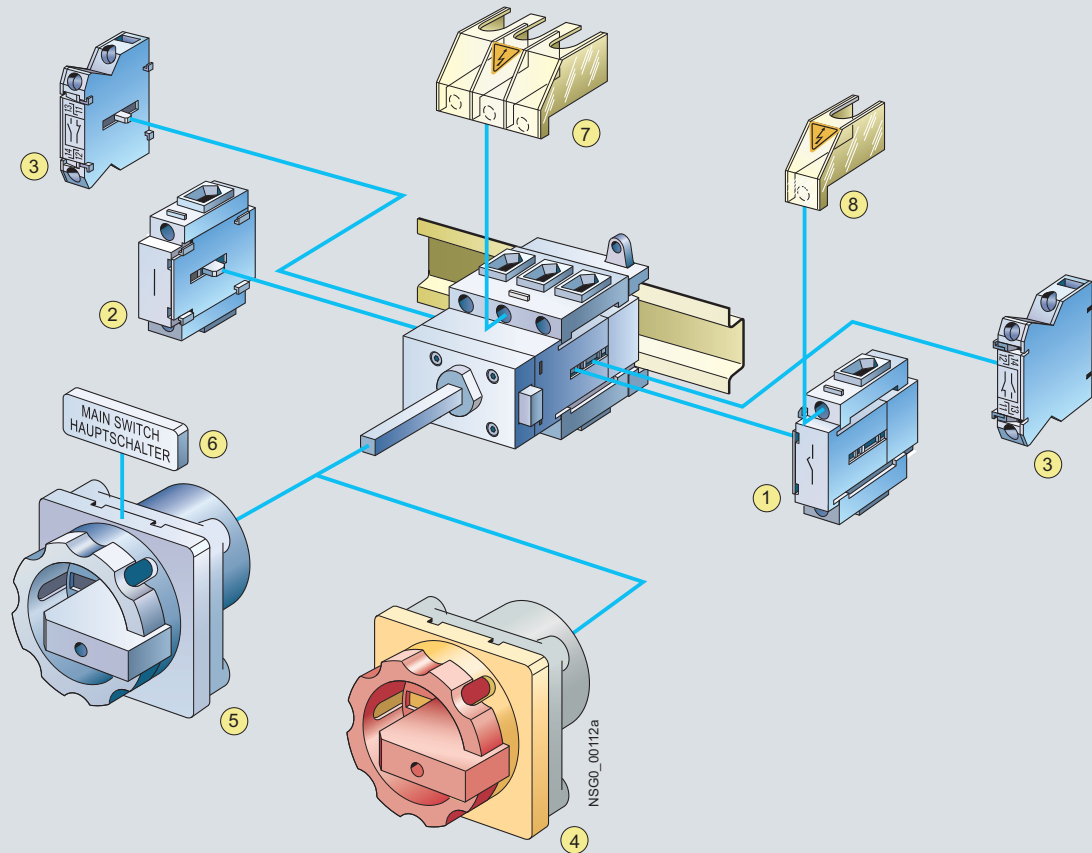
3KY2 232-0A

# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main Control and EMERGENCY-STOP Switches up to 125 A

General data

## Overview



- ① 4th contact (N conductor)
- ② N or PE/ground terminal, continuous
- ③ Auxiliary switch 1 NO + 1 NC
- ④ Rotary operating mechanism, red/yellow
- ⑤ Rotary operating mechanism, black
- ⑥ Front plate, English/German
- ⑦ Terminal cover, three-pole
- ⑧ Terminal cover, single-pole

## Application

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

They are manually operated switch disconnectors according to IEC 60947-3/ EN 60947-3 (VDE 0660 Part 107) and comply with the conditions for switch disconnectors.

The 3LD can be used as

- ON-OFF switch
- EMERGENCY-STOP switch
- Main control switch according to EN 60204-1

In EN 60204-1 (VDE 0113 Part 1), main control switches are called "disconnecter units", while EMERGENCY-STOP switches are termed "devices for emergency shutdown". Maintenance personnel can protect themselves against unauthorized startup with padlocks (up to three can be fitted).

The 3LD switches can be used in any mounting position.

The 3LD switches for 16 to 125 A are approved according to UL508 and can be used as "manual motor controllers" and "motor disconnects".

# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main Control and EMERGENCY-STOP Switches up to 125 A

### Front mounting

#### Selection and ordering data

Number and version of the contacts		Rated data at 50 ... 60 Hz 380 ... 440 V			DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Main contacts	Auxiliary contacts	P/AC-3 kW	P/AC-23A kW	I <sub>U</sub> / AC-21A A							

#### Main control and EMERGENCY-STOP switches with rotary operating mechanism/knob-operated mechanism

- Lockable in 0 position with up to 3 padlocks
- Degree of protection at front side IP65
- Including terminal cover for the infeed side
- Front plate
- 3LD2 0, 3LD2 1, 3LD2 2: 67 mm × 67 mm
- 3LD2 5 to 3LD2 8: 90 mm × 90 mm

#### Four-hole mounting



3LD2 203-0TK53

3	--	5.5	7.5	16	▶	3LD2 003-0TK5□	1	1 unit	103	0.207
		7.5	9.5	25	▶	3LD2 103-0TK5□	1	1 unit	103	0.206
		9.5	11.5	32	▶	3LD2 203-0TK5□	1	1 unit	103	0.206
		18.5	22	63	▶	3LD2 504-0TK5□	1	1 unit	103	0.424
		30	37	100	▶	3LD2 704-0TK5□	1	1 unit	103	0.501
		37	45	125	A	3LD2 804-0TK5□	1	1 unit	103	0.503
3 + N	--	5.5	7.5	16	▶	3LD2 003-1TL5□	1	1 unit	103	0.217
		7.5	9.5	25	A	3LD2 103-1TL5□	1	1 unit	103	0.243
		9.5	11.5	32	A	3LD2 203-1TL5□	1	1 unit	103	0.243
		18.5	22	63	A	3LD2 504-1TL5□	1	1 unit	103	0.424
		30	37	100	▶	3LD2 704-0TK5□ + <sup>1)</sup>	1	1 unit	103	0.501
					▶	3LD9 280-0B	1	1 unit	103	0.101
		37	45	125	A	3LD2 804-0TK5□ + <sup>1)</sup>	1	1 unit	103	0.503
					▶	3LD9 280-0B	1	1 unit	103	0.101

#### Center-hole mounting Ø 22.5 mm

3	--	5.5	7.5	16	A	3LD2 054-0TK5□	1	1 unit	103	0.215
		7.5	9.5	25	A	3LD2 154-0TK5□	1	1 unit	103	0.215
		9.5	11.5	32	A	3LD2 254-0TK5□	1	1 unit	103	0.214
		18.5	22	63	A	3LD2 555-0TK5□	1	1 unit	103	0.443
3 + N	--	5.5	7.5	16	A	3LD2 054-1TL5□	1	1 unit	103	0.230
		7.5	9.5	25	A	3LD2 154-1TL5□	1	1 unit	103	0.256
		9.5	11.5	32	A	3LD2 254-1TL5□	1	1 unit	103	0.260
		18.5	22	63	A	3LD2 555-0TK5□ + <sup>1)</sup>	1	1 unit	103	0.443
					▶	3LD9 250-0BA	1	1 unit	103	0.079

#### Actuator color

Black  
Red/yellow (EMERGENCY-STOP)

1  
3

<sup>1)</sup> 4th contact element as N conductor to be ordered separately, see "Accessories".

# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main Control and EMERGENCY-STOP Switches up to 125 A


Front mounting

Number and version of the contacts		Rated data at 50 ... 60 Hz 380 ... 440 V		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Main contacts	Auxiliary contacts	P/AC-23A	$I_u$							kg
		kW	A							

### Main control and EMERGENCY-STOP switches with rotary operating mechanism/knob-operated mechanism

- Lockable in 0 position with up to 3 padlocks
- Degree of protection at front side IP65
- Including terminal cover for the infeed side
- Front plate
  - 3LD2 0, 3LD2 1, 3LD2 2: 67 mm × 67 mm
  - 3LD2 5 to 3LD2 8: 90 mm × 90 mm

#### Four-hole mounting

	3	1 NO + 1 NC	7.5	16	A	3LD2 003-1TP5□	1	1 unit	103	0.250
			9.5	25	A	3LD2 103-1TP5□	1	1 unit	103	0.249
			11.5	32	A	3LD2 203-1TP5□	1	1 unit	103	0.206
			22	63	A	3LD2 504-1TP5□	1	1 unit	103	0.424
			37	100	A	3LD2 704-1TP5□	1	1 unit	103	0.503
	3 + N	1 NO + 1 NC	7.5	16	A	3LD2 003-2EP5□	1	1 unit	103	0.272
			9.5	25	A	3LD2 103-2EP5□	1	1 unit	103	0.287
			11.5	32	A	3LD2 203-1TL5□ <sup>+1)</sup>	1	1 unit	103	0.243
						▶ 3LD9 200-5B	1	1 unit	103	0.046
			22	63	A	3LD2 504-1TP5□ <sup>+2)</sup>	1	1 unit	103	0.424
					▶ 3LD9 250-0BA	1	1 unit	103	0.079	
37			100		▶ 3LD2 704-0TK5□ <sup>+2)</sup>	1	1 unit	103	0.501	
					▶ 3LD9 280-0B <sup>+1)</sup>	1	1 unit	103	0.101	
					▶ 3LD9 200-5B	1	1 unit	103	0.046	
45			125	A	3LD2 804-0TK5□ <sup>+2)</sup>	1	1 unit	103	0.503	
			▶ 3LD9 280-0B <sup>+1)</sup>	1	1 unit	103	0.101			
			▶ 3LD9 200-5B	1	1 unit	103	0.046			

#### Center-hole mounting Ø 22.5 mm

3	1 NO + 1 NC	7.5	16	A	3LD2 054-1TP5□	1	1 unit	103	0.261
		9.5	25	A	3LD2 154-1TP5□	1	1 unit	103	0.257
		11.5	32	A	3LD2 254-0TK5□ <sup>+1)</sup>	1	1 unit	103	0.214
					▶ 3LD9 200-5B	1	1 unit	103	0.046
		22	63	A	3LD2 555-0TK5□ <sup>+1)</sup>	1	1 unit	103	0.443
			▶ 3LD9 200-5B	1	1 unit	103	0.046		
3 + N	1 NO + 1 NC	7.5	16	A	3LD2 054-2EP5□	1	1 unit	103	0.276
		9.5	25	C	3LD2 154-2EP5□	1	1 unit	103	0.304
		11.5	32	A	3LD2 254-1TL5□ <sup>+1)</sup>	1	1 unit	103	0.260
					▶ 3LD9 200-5B	1	1 unit	103	0.046
		22	63	A	3LD2 555-0TK5□ <sup>+2)</sup>	1	1 unit	103	0.443
			▶ 3LD9 250-0BA <sup>+1)</sup>	1	1 unit	103	0.079		
			▶ 3LD9 200-5B	1	1 unit	103	0.046		

#### Actuator color

Black  
Red/yellow (EMERGENCY-STOP)

1  
3

<sup>1)</sup> Please order auxiliary switches 1 NO + 1 NC separately, see "Accessories".

<sup>2)</sup> 4th contact element as N conductor to be ordered separately, see "Accessories".

# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main Control and EMERGENCY-STOP Switches up to 125 A

### Front mounting

Number and version of the contacts		Rated data at 50 Hz ... 60 Hz, 380 ... 440 V		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Main contacts	Auxiliary contacts	P/AC-23A	$I_u$							
		kW	A							

#### Main control and EMERGENCY-STOP switches with knob-operated mechanism

- Lockable in 0 position (can be modified to I position) with max. 2 padlocks
- Degree of protection at front side IP65
- Including terminal cover for the infeed side
- Front plate  
- 48 mm x 48 mm

### Four-hole mounting



3LD2 222-0TK11

3	--	7.5	16	A	<b>3LD2 022-0TK1</b> □	1	1 unit	103	0.186
		9.5	25	A	<b>3LD2 122-0TK1</b> □	1	1 unit	103	0.181
		11.5	32	A	<b>3LD2 222-0TK1</b> □	1	1 unit	103	0.182
3 + N	--	7.5	16	A	<b>3LD2 022-1TL1</b> □	1	1 unit	103	0.206
		9.5	25	A	<b>3LD2 122-1TL1</b> □	1	1 unit	103	0.180
		11.5	32	A	<b>3LD2 222-0TK1</b> □ +1)	1	1 unit	103	0.182
					▶ <b>3LD9 220-0B</b>	1	1 unit	103	0.039
3	1 NO + 1 NC	7.5	16	A	<b>3LD2 022-0TK1</b> □ +2)	1	1 unit	103	0.186
					▶ <b>3LD9 200-5B</b>	1	1 unit	103	0.046
		9.5	25	A	<b>3LD2 122-0TK1</b> □ +2)	1	1 unit	103	0.181
					▶ <b>3LD9 200-5B</b>	1	1 unit	103	0.046
		11.5	32	A	<b>3LD2 222-0TK1</b> □ +2)	1	1 unit	103	0.182
					▶ <b>3LD9 200-5B</b>	1	1 unit	103	0.046
3 + N	1 NO + 1 NC	7.5	16	A	<b>3LD2 022-1TL1</b> □ +2)	1	1 unit	103	0.206
					▶ <b>3LD9 200-5B</b>	1	1 unit	103	0.046
		9.5	25	A	<b>3LD2 122-1TL1</b> □ +2)	1	1 unit	103	0.180
					▶ <b>3LD9 200-5B</b>	1	1 unit	103	0.046
		11.5	32	A	<b>3LD2 222-0TK1</b> □ +1)	1	1 unit	103	0.182
					▶ <b>3LD9 220-0B</b>	1	1 unit	103	0.039
					▶ <b>3LD9 200-5B</b>	1	1 unit	103	0.046

#### Actuator color

Black  
Red/yellow (EMERGENCY-STOP)

1  
3

1) 4th contact element as N conductor to be ordered separately, see "Accessories".

2) Please order auxiliary switches 1 NO + 1 NC separately, see "Accessories".

# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main Control and EMERGENCY-STOP Switches up to 125 A

Front mounting

Number and version of the contacts		Rated data at 50 Hz ... 60 Hz, 380 ... 440 V		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Main contacts	Auxiliary contacts	P/AC-23A	$I_u$							
		kW	A							
<b>Center-hole mounting Ø 22.5 mm</b>										
3	--	7.5	16	A	<b>3LD2 050-0TK1</b> □		1	1 unit	103	0.197
		9.5	25	A	<b>3LD2 150-0TK1</b> □		1	1 unit	103	0.191
		11.5	32	A	<b>3LD2 250-0TK1</b> □		1	1 unit	103	0.192
3 + N	--	7.5	16	A	<b>3LD2 050-1TL1</b> □		1	1 unit	103	0.215
		9.5	25	A	<b>3LD2 150-0TK1</b> □ + <sup>1)</sup>		1	1 unit	103	0.191
					▶ <b>3LD9 200-5B</b>		1	1 unit	103	0.046
		11.5	32	A	<b>3LD2 250-0TK1</b> □ + <sup>1)</sup>		1	1 unit	103	0.192
					▶ <b>3LD9 200-5B</b>		1	1 unit	103	0.046
3	1 NO + 1 NC	7.5	16	A	<b>3LD2 050-0TK1</b> □ + <sup>2)</sup>		1	1 unit	103	0.197
					▶ <b>3LD9 200-5B</b>		1	1 unit	103	0.046
		9.5	25	A	<b>3LD2 150-0TK1</b> □ + <sup>2)</sup>		1	1 unit	103	0.191
					▶ <b>3LD9 200-5B</b>		1	1 unit	103	0.046
		11.5	32	A	<b>3LD2 250-0TK1</b> □ + <sup>2)</sup>		1	1 unit	103	0.192
					▶ <b>3LD9 200-5B</b>		1	1 unit	103	0.046
3 + N	1 NO + 1 NC	7.5	16	A	<b>3LD2 050-1TL1</b> □ + <sup>2)</sup>		1	1 unit	103	0.215
					▶ <b>3LD9 200-5B</b>		1	1 unit	103	0.046
		9.5	25	A	<b>3LD2 150-0TK1</b> □ + <sup>1)</sup>		1	1 unit	103	0.191
					▶ <b>3LD9 220-0B</b> + <sup>2)</sup>		1	1 unit	103	0.039
					▶ <b>3LD9 200-5B</b>		1	1 unit	103	0.046
		11.5	32	A	<b>3LD2 250-0TK1</b> □ + <sup>1)</sup>		1	1 unit	103	0.192
					▶ <b>3LD9 220-0B</b> + <sup>2)</sup>		1	1 unit	103	0.039
					▶ <b>3LD9 200-5B</b>		1	1 unit	103	0.046

**Actuator color**

Black  
Red/yellow (EMERGENCY-STOP)

1  
3

<sup>1)</sup> 4th contact element as N conductor to be ordered separately, see "Accessories".

<sup>2)</sup> Please order auxiliary switches 1 NO + 1 NC separately, see "Accessories".

# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main Control and EMERGENCY-STOP Switches up to 125 A

### Front mounting

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V			DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Main contacts	Auxiliary contacts	P/AC-3 kW	P/AC-23A kW	$I_u$ A							kg



3LD2 103-3VK53

#### Main control and EMERGENCY-STOP switches with rotary operating mechanism/knob-operated mechanism

- Lockable in 0 position with up to 3 padlocks
- Degree of protection at front side IP65
- All versions with rotary operating mechanism  
Exception: 3LD2 3 and 3LD2 4 with knob-operated mechanism
- Including terminal cover for the infeed side
- Front plate
  - 3LD2 0, 3LD2 1, 3LD2 2: 67 mm × 67 mm
  - 3LD2 5: 90 mm × 90 mm

6	--	7.5	9.5	25	A	<b>3LD2 103-3VK5□</b>	1	1 unit	103	0.380
		9.5	11.5	32	A	<b>3LD2 203-3VK5□</b>	1	1 unit	103	0.381
		18.5	22.0	63	A	<b>3LD2 504-3VK5□</b>	1	1 unit	103	0.854
6	1 NO + 1 NC	7.5	9.5	25	A	<b>3LD2 103-4VP5□</b>	1	1 unit	103	0.432

#### Actuator color

- Black
- Red/yellow (EMERGENCY-STOP)

1  
3

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V			DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Main contacts	Auxiliary contacts	P/AC-3 kW	P/AC-23A kW	$I_u$ A							kg



3LD2 123-7UK01

#### Changeover switches with knob-operated mechanism

- Black actuator
- Knob-operated mechanism on 3LD2 3 and 3LD2 4 is lockable on all other versions it is non-lockable
- Degree of protection at front side IP65

3	--	7.5	9.5	25	A	<b>3LD2 123-7UK01</b>	1	1 unit	103	0.374
		9.5	11.5	32	A	<b>3LD2 223-7UK01</b>	1	1 unit	103	0.378
		18.5	22.0	63	A	<b>3LD2 524-7UK01</b>	1	1 unit	103	0.841
		30.0	37.0	100	A	<b>3LD2 724-7UK01</b>	1	1 unit	103	1.061



# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main Control and EMERGENCY-STOP Switches up to 125 A

Floor mounting

## Selection and ordering data

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Main contacts	Auxiliary contacts	P/AC-23A	$I_u$							kg
		kW	A							

### Main control and EMERGENCY-STOP switches with door-coupling rotary operating mechanism

- With 300 mm switch shaft
- Lockable in 0 position with up to 3 padlocks
- Degree of protection at front side IP65
- Door-coupling rotary operating mechanism with integrated tolerance compensation
- All versions with rotary operating mechanism
- Mounting using screws or snap-on mounting on 35 mm standard mounting rail
- Including terminal cover for the infeed side
- Front plate
  - 3LD2 0, 3LD2 1, 3LD2 2: 67 mm × 67 mm
  - 3LD2 5 to 3LD2 8: 90 mm × 90 mm

## Four-hole mounting



3LD2 213-0TK53

3	--	7.5	16	▶	3LD2 013-0TK5□		1	1 unit	103	0.412
		9.5	25	▶	3LD2 113-0TK5□		1	1 unit	103	0.407
		11.5	32	▶	3LD2 213-0TK5□		1	1 unit	103	0.405
		22	63	▶	3LD2 514-0TK5□		1	1 unit	103	0.655
		37	100	▶	3LD2 714-0TK5□		1	1 unit	103	0.765
		45	125	A	3LD2 814-0TK5□		1	1 unit	103	0.766
3 + N	--	7.5	16	▶	3LD2 013-1TL5□		1	1 unit	103	0.412
		9.5	25	A	3LD2 113-1TL5□		1	1 unit	103	0.450
		11.5	32	A	3LD2 213-1TL5□		1	1 unit	103	0.446
		22	63	A	3LD2 514-1TL5□		1	1 unit	103	0.720
		37	100	▶	3LD2 714-0TK5□ + <sup>1)</sup>		1	1 unit	103	0.765
		45	125	A	3LD2 814-0TK5□ + <sup>1)</sup>		1	1 unit	103	0.766
				▶	3LD9 280-0C		1	1 unit	103	0.102

## Center-hole mounting Ø 22.5 mm

3	--	7.5	16	A	3LD2 044-0TK5□		1	1 unit	103	0.430
		9.5	25	A	3LD2 144-0TK5□		1	1 unit	103	0.426
		11.5	32	A	3LD2 244-0TK5□		1	1 unit	103	0.427
		22	63	A	3LD2 545-0TK5□		1	1 unit	103	0.710
3 + N	--	7.5	16	A	3LD2 044-1TL5□		1	1 unit	103	0.433
		9.5	25	A	3LD2 144-1TL5□		1	1 unit	103	0.461
		11.5	32	A	3LD2 244-1TL5□		1	1 unit	103	0.465
		22	63	A	3LD2 545-0TK5□ + <sup>1)</sup>		1	1 unit	103	0.710
				▶	3LD9 250-0CA		1	1 unit	103	0.080

## Actuator color

Black  
Red/yellow (EMERGENCY-STOP)

1  
3

<sup>1)</sup> 4th contact element as N conductor to be ordered separately, see "Accessories".

# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main Control and EMERGENCY-STOP Switches up to 125 A

### Floor mounting

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Main contacts	Auxiliary contacts	P/AC-23A	$I_u$							kg
		kW	A							

#### Main control and EMERGENCY-STOP switches with door-coupling rotary operating mechanism

- With 300 mm switch shaft
- Lockable in 0 position with up to 3 padlocks
- Degree of protection at front side IP65
- Door-coupling rotary operating mechanism with integrated tolerance compensation
- Mounting using screws or snap-on mounting on 35 mm standard mounting rail
- Including terminal cover for the infeed side
- Front plate
  - 3LD2 0, 3LD2 1, 3LD2 2: 67 mm × 67 mm
  - 3LD2 5 to 3LD2 8: 90 mm × 90 mm

### Four-hole mounting



3LD2 213-0TK53

	3	1 NO + 1 NC	7.5	16	▶	<b>3LD2 013-0TK5□</b>	1	1 unit	103	0.412
					▶	<b>3LD9 200-5C</b>	1	1 unit	103	0.046
			9.5	25	▶	<b>3LD2 113-0TK5□</b>	1	1 unit	103	0.407
					▶	<b>3LD9 200-5C</b>	1	1 unit	103	0.046
			11.5	32	▶	<b>3LD2 213-0TK5□</b>	1	1 unit	103	0.405
					▶	<b>3LD9 200-5C</b>	1	1 unit	103	0.046
			22	63	▶	<b>3LD2 514-0TK5□</b>	1	1 unit	103	0.655
					▶	<b>3LD9 200-5C</b>	1	1 unit	103	0.046
			37	100	▶	<b>3LD2 714-0TK5□</b>	1	1 unit	103	0.765
					▶	<b>3LD9 200-5C</b>	1	1 unit	103	0.046
			45	125	A	<b>3LD2 814-0TK5□</b>	1	1 unit	103	0.766
					▶	<b>3LD9 200-5C</b>	1	1 unit	103	0.046

#### Actuator color

Black  
Red/yellow (EMERGENCY-STOP)

1  
3

1) 4th contact element as N conductor to be ordered separately, see "Accessories".

2) Please order auxiliary switches 1 NO + 1 NC separately, see "Accessories".

# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main Control and EMERGENCY-STOP Switches up to 125 A

Floor mounting

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.	
Main contacts	Auxiliary contacts	P/AC-23A	$I_u$							kg	
		kW	A								
3 + N	1 NO + 1 NC	7.5	16	▶	<b>3LD2 013-1TL5</b> □ +2)		1	1 unit	103	0.412	
				▶	<b>3LD9 200-5C</b>		1	1 unit	103	0.046	
		9.5	25	A	▶	<b>3LD2 113-1TL5</b> □ +2)		1	1 unit	103	0.450
				▶	<b>3LD9 200-5C</b>		1	1 unit	103	0.046	
		11.5	32	A	▶	<b>3LD2 213-1TL5</b> □ +2)		1	1 unit	103	0.446
				▶	<b>3LD9 200-5C</b>		1	1 unit	103	0.046	
		22	63	A	▶	<b>3LD2 514-1TL5</b> □ +2)		1	1 unit	103	0.720
				▶	<b>3LD9 200-5C</b>		1	1 unit	103	0.046	
		37	100		▶	<b>3LD2 714-0TK5</b> □ +1)		1	1 unit	103	0.765
					▶	<b>3LD9 280-0C</b> +2)		1	1 unit	103	0.102
					▶	<b>3LD9 200-5C</b>		1	1 unit	103	0.046
		45	125	A	▶	<b>3LD2 814-0TK5</b> □ +1)		1	1 unit	103	0.766
					▶	<b>3LD9 280-0C</b> +2)		1	1 unit	103	0.102
					▶	<b>3LD9 200-5C</b>		1	1 unit	103	0.046

**Actuator color**

Black

Red/yellow (EMERGENCY-STOP)


  
1
   
3

1) 4th contact element as N conductor to be ordered separately, see "Accessories".

2) Please order auxiliary switches 1 NO + 1 NC separately, see "Accessories".

# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main Control and EMERGENCY-STOP Switches up to 125 A

### Floor mounting

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Main contacts	Auxiliary contacts	P/AC-23A	$I_u$							kg
		kW	A							

#### Main control and EMERGENCY-STOP switches with door-coupling rotary operating mechanism

- With 300 mm switch shaft
- Lockable in 0 position with up to 3 padlocks
- Degree of protection at front side IP65
- Door-coupling rotary operating mechanism with integrated tolerance compensation
- Including terminal cover for the infeed side
- Front plate
  - 3LD2 0, 3LD2 1, 3LD2 2: 67 mm × 67 mm
  - 3LD2 5 to 3LD2 8: 90 mm × 90 mm

### Center-hole mounting Ø 22.5 mm

3	1 NO + 1 NC	7.5	16	A	3LD2 044-0TK5□	1	1 unit	103	0.430
					▶ + <sup>2)</sup> 3LD9 200-5C				
		9.5	25	A	3LD2 144-0TK5□	1	1 unit	103	0.426
					▶ + <sup>2)</sup> 3LD9 200-5C				
		11.5	32	A	3LD2 244-0TK5□	1	1 unit	103	0.427
					▶ + <sup>2)</sup> 3LD9 200-5C				
		22	63	A	3LD2 545-0TK5□	1	1 unit	103	0.710
					▶ + <sup>2)</sup> 3LD9 200-5C				
3 + N	1 NO + 1 NC	7.5	16	A	3LD2 044-1TL5□	1	1 unit	103	0.433
					▶ + <sup>2)</sup> 3LD9 200-5C				
		9.5	25	A	3LD2 144-1TL5□	1	1 unit	103	0.461
					▶ + <sup>2)</sup> 3LD9 200-5C				
		11.5	32	A	3LD2 244-1TL5□	1	1 unit	103	0.465
					▶ + <sup>2)</sup> 3LD9 200-5C				
		22	63	A	3LD2 545-0TK5□	1	1 unit	103	0.710
					▶ + <sup>1)</sup> 3LD9 250-0CA				
					▶ + <sup>2)</sup> 3LD9 200-5C	1	1 unit	103	0.046

#### Actuator color

Black  
Red/yellow (EMERGENCY-STOP)

1  
3

1) 4th contact element as N conductor to be ordered separately, see "Accessories".

2) Please order auxiliary switches 1 NO + 1 NC separately, see "Accessories".

# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main Control and EMERGENCY-STOP Switches up to 125 A

Floor mounting

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V			DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Main contacts	Auxiliary contacts	P/AC-3 kW	P/AC-23A kW	$I_U$ A							kg

### Main control and EMERGENCY-STOP switches with door-coupling rotary operating mechanism

- Lockable in 0 position with up to 3 padlocks
- Degree of protection at front side IP65
- Door-coupling rotary operating mechanism with integrated tolerance compensation
- Mounting using screws or snap-on mounting on 35 mm standard mounting rail
- Including terminal cover for the infeed side
- Front plate  
- 3LD2 1: 67 mm × 67 mm

### Four-hole mounting

6	--	7.5	9.5	25	C	<b>3LD2 113-3VK5</b> □		1	1 unit	103	0.604
6	1 NO + 1 NC	9.5	9.5	25	C	<b>3LD2 113-4VP5</b> □		1	1 unit	103	0.645

### Actuator color

Black  
Red/yellow (EMERGENCY-STOP)

1  
3

# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main Control and EMERGENCY-STOP Switches up to 125 A

### Floor mounting

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Main contacts	Auxiliary contacts	P/AC-23A	$I_u$							kg
		kW	A							

#### Main control and EMERGENCY-STOP switches with defeatable door-coupling rotary operating mechanism

The SENTRON 3LD main control and EMERGENCY-STOP switch with defeatable door-coupling rotary operating mechanism enables you to conduct repairs, maintenance work or tests on electrical plants and machines without having to interrupt their operation. With the help of the defeatable door-coupling rotary operating mechanism, an electrician can bypass the interlock in ON position and open the control cabinet door with the plant activated.

SENTRON 3LD main control and EMERGENCY-STOP switches with defeatable door-coupling rotary operating mechanism are approved according to UL508.

- With 300 mm switch shaft
- Lockable in 0 position with up to 3 padlocks
- Degree of protection at front side IP65
- Door-coupling rotary operating mechanism with integrated tolerance compensation
- Mounting using screws or snap-on mounting on 35 mm standard mounting rail
- Including terminal cover for the infeed side
- Front plate 65 mm × 65 mm

#### Four-hole mounting



3LD2 017-0TK..

3	--	7.5	16	C	3LD2 017-0TK1□	1	1 unit	103	0.412
		11.5	32	C	3LD2 217-0TK1□	1	1 unit	103	0.412
		22	63	C	3LD2 517-0TK1□	1	1 unit	103	0.412
3 + N	--	7.5	16	C	3LD2 017-1TL1□	1	1 unit	103	0.412
		11.5	32	C	3LD2 217-1TL1□	1	1 unit	103	0.412
		22	63	C	3LD2 517-1TL1□	1	1 unit	103	0.412

#### Actuator color

Black

Red/yellow (EMERGENCY-STOP)

1  
3


<sup>1)</sup> Auxiliary contact elements and miscellaneous accessories to be ordered separately, see "Accessories".

# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main Control and EMERGENCY-STOP Switches up to 125 A

Distribution board mounting

## Selection and ordering data

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.	
Main contacts	Auxiliary contacts	P/AC-23A	$I_u$							kg	
		kW	A								
<b>ON/OFF and EMERGENCY-STOP switches with masking plate and selector switch</b>											
<ul style="list-style-type: none"> <li>• With screw and snap-on mounting on 35 mm standard mounting rail</li> <li>• Lockable in 0 position with up to 2 padlocks</li> <li>• Degree of protection at front side IP44</li> </ul>											
 3LD2 530-0TK13	3	--	7.5	16	A	3LD2 030-0TK1□		1	1 unit	103	0.169
			9.5	25	A	3LD2 130-0TK1□		1	1 unit	103	0.171
			11.5	32	A	3LD2 230-0TK1□		1	1 unit	103	0.168
			22	63	A	3LD2 530-0TK1□		1	1 unit	103	0.311
			37	100	A	3LD2 730-0TK1□		1	1 unit	103	0.379
			45	125	A	3LD2 830-0TK1□		1	1 unit	103	0.379
	3 + N	--	7.5	16	A	3LD2 030-1TL1□		1	1 unit	103	0.183
			9.5	25	A	3LD2 130-0TK1□ +1)		1	1 unit	103	0.171
						▶ 3LD9 220-0C		1	1 unit	103	0.039
			11.5	32	A	3LD2 230-0TK1□ +1)		1	1 unit	103	0.168
						▶ 3LD9 220-0C		1	1 unit	103	0.039
			22	63	A	3LD2 530-0TK1□ +1)		1	1 unit	103	0.311
						▶ 3LD9 250-0CA		1	1 unit	103	0.080
			37	100	A	3LD2 730-0TK1□ +1)		1	1 unit	103	0.379
						▶ 3LD9 280-0C		1	1 unit	103	0.102
45			125	A	3LD2 830-0TK1□ +1)		1	1 unit	103	0.379	
					▶ 3LD9 280-0C		1	1 unit	103	0.102	
3			1 NO + 1 NC	7.5	16	A	3LD2 030-0TK1□ +2)		1	1 unit	103
					▶ 3LD9 200-5C		1	1 unit	103	0.046	
	9.5	25		A	3LD2 130-0TK1□ +2)		1	1 unit	103	0.171	
					▶ 3LD9 200-5C		1	1 unit	103	0.046	
	11.5	32		A	3LD2 230-0TK1□ +2)		1	1 unit	103	0.168	
					▶ 3LD9 200-5C		1	1 unit	103	0.046	
	22	63		A	3LD2 530-0TK1□ +2)		1	1 unit	103	0.311	
					▶ 3LD9 200-5C		1	1 unit	103	0.046	
	37	100		A	3LD2 730-0TK1□ +2)		1	1 unit	103	0.379	
					▶ 3LD9 200-5C		1	1 unit	103	0.046	
	45	125		A	3LD2 830-0TK1□ +2)		1	1 unit	103	0.379	
					▶ 3LD9 200-5C		1	1 unit	103	0.046	

## Actuator color

Black

Red/yellow (EMERGENCY-STOP)

1

3

<sup>1)</sup> 4th contact element as N conductor to be ordered separately, see 'Accessories for Floor Mounting'.

<sup>2)</sup> Please order auxiliary switches 1 NO + 1 NC separately, see 'Accessories'.

# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main Control and EMERGENCY-STOP Switches up to 125 A

### Distribution board mounting

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Main contacts	Auxiliary contacts	P/AC-23A kW	$I_u$ A							
3 + N	1 NO + 1 NC	7.5	16	A	<b>3LD2 030-1TL1</b> □ + <sup>2)</sup> <b>3LD9 200-5C</b>		1	1 unit	103	0.183
			9.5	25	A	<b>3LD2 130-0TK1</b> □ + <sup>2)</sup> <b>3LD9 200-5C</b> + <sup>1)</sup> <b>3LD9 220-0C</b>	1	1 unit	103	0.171
11.5		11.5	32	A	<b>3LD2 230-0TK1</b> □ + <sup>2)</sup> <b>3LD9 200-5C</b> + <sup>1)</sup> <b>3LD9 220-0C</b>	1	1 unit	103	0.168	
					<b>3LD9 200-5C</b> + <sup>1)</sup> <b>3LD9 220-0C</b>	1	1 unit	103	0.046	
					<b>3LD9 220-0C</b>	1	1 unit	103	0.039	
22		22	63	A	<b>3LD2 530-0TK1</b> □ + <sup>2)</sup> <b>3LD9 200-5C</b> + <sup>1)</sup> <b>3LD9 250-0CA</b>	1	1 unit	103	0.311	
					<b>3LD9 200-5C</b> + <sup>1)</sup> <b>3LD9 250-0CA</b>	1	1 unit	103	0.046	
					<b>3LD9 250-0CA</b>	1	1 unit	103	0.080	
37		37	100	A	<b>3LD2 730-0TK1</b> □ + <sup>2)</sup> <b>3LD9 200-5C</b> + <sup>1)</sup> <b>3LD9 280-0C</b>	1	1 unit	103	0.379	
					<b>3LD9 200-5C</b> + <sup>1)</sup> <b>3LD9 280-0C</b>	1	1 unit	103	0.046	
					<b>3LD9 280-0C</b>	1	1 unit	103	0.102	
45		45	125	A	<b>3LD2 830-0TK1</b> □ + <sup>2)</sup> <b>3LD9 200-5C</b> + <sup>1)</sup> <b>3LD9 280-0C</b>	1	1 unit	103	0.379	
					<b>3LD9 200-5C</b> + <sup>1)</sup> <b>3LD9 280-0C</b>	1	1 unit	103	0.046	
					<b>3LD9 280-0C</b>	1	1 unit	103	0.102	

#### Actuator color

Black  
Red/yellow (EMERGENCY-STOP)

1  
3

<sup>1)</sup> 4th contact element as N conductor to be ordered separately, see "Accessories for Floor Mounting".

<sup>2)</sup> Please order auxiliary switches 1 NO + 1 NC separately, see "Accessories".



# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main Control and EMERGENCY-STOP Switches up to 125 A

Molded-plastic enclosures

## Selection and ordering data

Number and version of the contacts		Base terminal	Rated data at 50 ... 60 Hz, 380 ... 440 V		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Main contacts	Auxiliary contacts		P/AC-23A	$I_u$							kg
			kW	A							

**Main and EMERGENCY-STOP switches**

- With N- and/or PE-/ground base terminals
- Lockable in 0 position with up to max. 3 padlocks
- Degree of protection IP65
- Rotary operating mechanisms with center-hole mounting
- For floor-mounted auxiliary switches

**Metric screwed glands**

3LD2 164-0TB53

3	--	PE + N	7.5	16	A	3LD2 064-0TB5□	1	1 unit	103	0.463
		PE + N	9.5	25	A	3LD2 164-0TB5□	1	1 unit	103	0.463
		PE + N	11.5	32	A	3LD2 264-0TB5□	1	1 unit	103	0.465
		PE + N	22	63	A	3LD2 565-0TB5□	1	1 unit	103	0.906
		PE + N	37	100	A	3LD2 766-0TB5□	1	1 unit	103	1.890
		PE + N	45	125	A	3LD2 866-0TB5□	1	1 unit	103	1.890
3 + N	--	PE	7.5	16	A	3LD2 064-1TC5□	1	1 unit	103	0.453
		PE	9.5	25	A	3LD2 164-1TC5□	1	1 unit	103	0.487
		PE	11.5	32	C	3LD2 264-1TC5□	1	1 unit	103	0.500
		PE	22	63	C	3LD2 565-1TC5□	1	1 unit	103	0.960
		PE + N	37	100	A	3LD2 766-0TB5□ + <sup>1)</sup>	1	1 unit	103	1.890
						▶ 3LD9 280-0C	1	1 unit	103	0.102
3	1 NO + 1 NC	N	7.5	16	A	3LD2 064-1GP5□	1	1 unit	103	0.507
		N	9.5	25	A	3LD2 164-1GP5□	1	1 unit	103	0.501
		N	11.5	32	A	3LD2 264-1GP5□	1	1 unit	103	0.488
		N	22	63	A	3LD2 565-1GP5□	1	1 unit	103	0.935
		N	37	100	A	3LD2 766-1GP5□	1	1 unit	103	1.838
		N	45	125	A	3LD2 866-1GP5□	1	1 unit	103	1.843
3 + N	1 NO + 1 NC	PE	7.5	16	A	3LD2 064-1TC5□	1	1 unit	103	0.453
						▶ 3LD9 200-5C + <sup>2)</sup>	1	1 unit	103	0.046
		PE	9.5	25	A	3LD2 164-1TC5□	1	1 unit	103	0.487
						▶ 3LD9 200-5C	1	1 unit	103	0.046
		PE	11.5	32	C	3LD2 264-1TC5□	1	1 unit	103	0.500
						▶ 3LD9 200-5C	1	1 unit	103	0.046
		PE	22	63	C	3LD2 565-1TC5□	1	1 unit	103	0.960
						▶ 3LD9 200-5C	1	1 unit	103	0.046
		N	37	100	A	3LD2 766-1GP5□	1	1 unit	103	1.838
						▶ 3LD9 280-0C	1	1 unit	103	0.102
		N	45	125	A	3LD2 866-1GP5□	1	1 unit	103	1.843
						▶ 3LD9 280-0C	1	1 unit	103	0.102

**Actuator color**

Black  
Red/yellow (EMERGENCY-STOP)

1  
3

<sup>1)</sup> 4th contact element as N conductor to be ordered separately, see "Accessories for Floor Mounting".

<sup>2)</sup> Please order auxiliary switches 1 NO + 1 NC separately, see "Accessories".

# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main Control and EMERGENCY-STOP Switches up to 125 A

### Molded-plastic enclosures

Number and version of the contacts		Base terminal	Rated data at 50 ... 60 Hz, 380 ... 440 V			DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Main contacts	Auxiliary contacts		P/AC-3	P/AC-23A	$I_u$						kg	
			kW	kW	A							

#### Main and EMERGENCY-STOP switches with rotary operating mechanism

- With N- and/or PE-/ground base terminals
- Degree of protection IP65

#### Metric screwed glands



3LD2 165-3VB53

6	--	PE + N	7.5	9.5	25	A	<b>3LD2 165-3VB5□</b>	1	1 unit	103	0.880
		PE + N	9.5	11.5	32	A	<b>3LD2 265-3VB5□</b>	1	1 unit	103	0.878
		PE + N	18.5	22.0	63	A	<b>3LD2 566-3VB5□</b>	1	1 unit	103	2.105
	1 NO + 1 NC	N	7.5	9.5	25	A	<b>3LD2 165-4VD5□</b>	1	1 unit	103	0.914
		N	9.5	11.5	32	A	<b>3LD2 265-4VD5□</b>	1	1 unit	103	0.910
		PE + N	18.5	22.0	63	A	<b>3LD2 566-4VD5□</b>	1	1 unit	103	2.084

#### Actuator color

- Black
- Red/yellow (EMERGENCY-STOP)

1  
3

Number and version of the contacts		Base terminal	Rated data at 50 ... 60 Hz, 380 ... 440 V			DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Main contacts	Auxiliary contacts		P/AC-3	P/AC-23A	$I_u$						kg	
			kW	kW	A							

#### Changeover switches with knob-operated mechanism, knob cannot be locked

- With N- and/or PE-/ground base terminals
- Black actuator
- Degree of protection IP65

#### Metric screwed glands



3LD2 165-7UB01








6	--	PE + N	7.5	9.5	25	A	<b>3LD2 165-7UB01</b>	1	1 unit	103	0.888
		PE + N	9.5	11.5	32	A	<b>3LD2 265-7UB01</b>	1	1 unit	103	0.888
		PE + N	18.5	22.0	63	A	<b>3LD2 566-7UB01</b>	1	1 unit	103	2.105
		PE + N	30.0	37.0	100	A	<b>3LD2 766-7UB01</b>	1	1 unit	103	2.335

# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main Control and EMERGENCY-STOP Switches up to 125 A

Accessories

## Selection and ordering data

Version	DT	3LD2 0	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.		
		Order No.	Price per PU			kg		
<b>For front mounting</b>								
		<b>N- or PE-terminals</b> Through-out	▶	<b>3LD9 200-2B</b>	1	1 unit	103	0.030
3LD9 200-2B								
		<b>Auxiliary switches</b> For mounting on the left and/or right, lagging switch-on, leading switch-off 1 NO + 1 NC	▶	<b>3LD9 200-5B</b>	1	1 unit	103	0.046
3LD9 200-5B		For mounting on the left and/or right, lagging switch-on, with gold-plated contacts for SIMATIC request, leading switch-off 1 NO + 1 NC	C	<b>3LD9 200-5BF</b>	1	1 unit	103	0.028
<b>For floor mounting, distribution board mounting or 3LD molded-plastic enclosures</b>								
		<b>N- or PE-terminals</b> Through-out	▶	<b>3LD9 200-2C</b>	1	1 unit	103	0.032
3LD9 200-2C								
		<b>Auxiliary switches</b> For mounting on the left and/or right, lagging switch-on, leading switch-off 1 NO + 1 NC	▶	<b>3LD9 200-5C</b>	1	1 unit	103	0.046
3LD9 200-5C		For mounting on the left and/or right, lagging switch-on, with gold-plated contacts for SIMATIC request, leading switch-off 1 NO + 1 NC	C	<b>3LD9 200-5CF</b>	1	1 unit	103	0.028
<b>For front and floor mounting</b>								
		<b>Rotary operating mechanisms</b> Lockable in 0 position with up to 3 padlocks						
3LD9 224-1B		• For four-hole mounting						
	A	- Black		<b>3LD9 224-1B</b>	1	1 unit	103	0.072
	A	- Red/Yellow		<b>3LD9 224-3B</b>	1	1 unit	103	0.075
	A	• For center-hole mounting						
	A	- Black		<b>3LD9 224-1D</b>	1	1 unit	103	0.080
	A	- Red/Yellow		<b>3LD9 224-3D</b>	1	1 unit	103	0.081
	C	<b>Switching shafts 6 x 6 mm</b> Length 300 mm		<b>3LD9 205-0C</b>	1	5 units	103	0.476
	A	<b>Inscription labels</b> With English/German inscription (MAIN SWITCH/HAUPTSCHALTER)		<b>3LD9 286-1A</b>	1	10 units	103	0.005
3LD9 286-1A	A	Without inscription		<b>3LD9 286-4A</b>	1	10 units	103	0.054
	A	<b>Terminal covers as additional touch protection (also for distribution board mounting)</b> Can be snapped on at top and bottom						
3LD9 201-2A	A	1-pole		<b>3LD9 201-2A</b>	100	4 units	103	0.200
	A	3-pole		<b>3LD9 201-1A</b>	1	4 units	103	0.007

# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main Control and EMERGENCY-STOP Switches up to 125 A

### Accessories










Version	DT	3LD2 1 and 3LD2 2	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
		Order No.	Price per PU			kg
<b>For front mounting</b>						
 3LD9 220-0B		<b>4th contact (N conductor)</b> Leading switch-on, lagging switch-off	▶	<b>3LD9 220-0B</b>	1	1 unit 103 0.039
 3LD9 220-2B		<b>N- or PE-terminals</b> Through-out	▶	<b>3LD9 220-2B</b>	1	1 unit 103 0.036
 3LD9 200-5B		<b>Auxiliary switches</b> For mounting on the left and/or right, lagging switch-on, leading switch-off 1 NO + 1 NC	▶	<b>3LD9 200-5B</b>	1	1 unit 103 0.046
		For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plated contacts for SIMATIC request 1 NO + 1 NC	C	<b>3LD9 200-5BF</b>	1	1 unit 103 0.028
<b>For floor mounting, distribution board mounting or 3LD molded-plastic enclosures</b>						
 3LD9 220-0C		<b>4th contact (N conductor)</b> Leading switch-on, lagging switch-off	▶	<b>3LD9 220-0C</b>	1	1 unit 103 0.039
		<b>N- or PE-terminals</b> Through-out	▶	<b>3LD9 220-2C</b>	1	1 unit 103 0.037
 3LD9 200-5C		<b>Auxiliary switches</b> For mounting on the left and/or right, lagging switch-on, leading switch-off 1 NO + 1 NC	▶	<b>3LD9 200-5C</b>	1	1 unit 103 0.046
		For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plated contacts for SIMATIC request 1 NO + 1 NC	C	<b>3LD9 200-5CF</b>	1	1 unit 103 0.028
<b>For front and floor mounting</b>						
 3LD9 224-1B		<b>Rotary operating mechanisms</b> Lockable in 0 position with up to 3 padlocks				
		• For four-hole mounting				
	A	- Black		<b>3LD9 224-1B</b>	1	1 unit 103 0.072
	A	- Red/Yellow		<b>3LD9 224-3B</b>	1	1 unit 103 0.075
		• For center-hole mounting				
	A	- Black		<b>3LD9 224-1D</b>	1	1 unit 103 0.080
	A	- Red/Yellow		<b>3LD9 224-3D</b>	1	1 unit 103 0.081
		<b>Switching shafts 6 x 6 mm</b> Length 300 mm	C	<b>3LD9 205-0C</b>	1	5 units 103 0.476
 3LD9 286-1A		<b>Inscription labels</b> With English/German inscription (MAIN SWITCH/HAUPTSCHALTER)	A	<b>3LD9 286-1A</b>	1	10 units 103 0.005
		Without inscription	A	<b>3LD9 286-4A</b>	1	10 units 103 0.054
 3LD9 221-2A		<b>Terminal covers as additional touch protection (also for distribution board mounting)</b> Can be snapped on at top and bottom				
	A	1-pole		<b>3LD9 221-2A</b>	100	4 units 103 0.100
 3LD9 221-0A		3-pole	A	<b>3LD9 221-0A</b>	1	4 units 103 0.007

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

# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main Control and EMERGENCY-STOP Switches up to 125 A

### Accessories








Version	DT	3LD2 5	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
		Order No.	Price per PU			kg
<b>For front mounting</b>						
 3LD9 250-0BA		<b>4th contact (N conductor)</b> Leading switch-on, lagging switch-off	▶	<b>3LD9 250-0BA</b>	1	1 unit 103 0.079
 3LD9 250-2BA		<b>N- or PE-terminals</b> Through-out	▶	<b>3LD9 250-2BA</b>	1	1 unit 103 0.072
 3LD9 200-5B		<b>Auxiliary switches</b> For mounting on the left and/or right, lagging switch-on, leading switch-off 1 NO + 1 NC	▶	<b>3LD9 200-5B</b>	1	1 unit 103 0.046
		For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plated contacts for SIMATIC request 1 NO + 1 NC	C	<b>3LD9 200-5BF</b>	1	1 unit 103 0.028
<b>For floor mounting, distribution board mounting or 3LD molded-plastic enclosures</b>						
 3LD9 250-0CA		<b>4th contact (N conductor)</b> Leading switch-on, lagging switch-off	▶	<b>3LD9 250-0CA</b>	1	1 unit 103 0.080
 3LD9 250-2CA		<b>N- or PE-terminals</b> Through-out	▶	<b>3LD9 250-2CA</b>	1	1 unit 103 0.073
 3LD9 200-5C		<b>Auxiliary switches</b> For mounting on the left and/or right, lagging switch-on, leading switch-off 1 NO + 1 NC	▶	<b>3LD9 200-5C</b>	1	1 unit 103 0.046
		For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plated contacts for SIMATIC request 1 NO + 1 NC	C	<b>3LD9 200-5CF</b>	1	1 unit 103 0.028
<b>For front and floor mounting</b>						
 3LD9 284-1B		<b>Rotary operating mechanisms</b> Lockable in 0 position with up to 3 padlocks				
		• For four-hole mounting				
	A	- Black		<b>3LD9 284-1B</b>	1	1 unit 103 0.154
	A	- Red/Yellow		<b>3LD9 284-3B</b>	1	1 unit 103 0.152
		• For center-hole mounting				
	A	- Black		<b>3LD9 284-1D</b>	1	1 unit 103 0.155
	A	- Red/Yellow		<b>3LD9 284-3D</b>	1	1 unit 103 0.155
		<b>Switching shafts 6 x 6 mm</b> Length 300 mm	C	<b>3LD9 205-0C</b>	1	5 units 103 0.476
 3LD9 286-1A		<b>Inscription labels</b> With English/German inscription (MAIN SWITCH/HAUPTSCHALTER)	A	<b>3LD9 286-1A</b>	1	10 units 103 0.005
	A	Without inscription	A	<b>3LD9 286-4A</b>	1	10 units 103 0.054
 3LD9 251-2A		<b>Terminal covers as additional touch protection (also for distribution board mounting)</b> Can be snapped on at top and bottom				
	A	1-pole		<b>3LD9 251-2A</b>	100	4 units 103 0.100
 3LD9 251-0A		3-pole	A	<b>3LD9 251-0A</b>	1	4 units 103 0.009

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

# 3KA, 3KE, 3LD Switch Disconnectors

## 3LD Main control and EMERGENCY-STOP Switches up to 125 A

### Accessories

Version	DT	3LD2 7 and 3LD2 8	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg		
		Order No.	Price per PU					
<b>For front mounting</b>								
		<b>4th contact (N conductor)</b> Leading switch-on, lagging switch-off	▶	<b>3LD9 280-0B</b>	1	1 unit	103	0.101
3LD9 280-0B		<b>N- or PE-terminals</b> Through-out	▶	<b>3LD9 280-2B</b>	1	1 unit	103	0.092
		<b>Auxiliary switches</b> For mounting on the left and/or right, lagging switch-on, leading switch-off 1 NO + 1 NC	▶	<b>3LD9 200-5B</b>	1	1 unit	103	0.046
3LD9 200-5B		For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plated contacts for SIMATIC request 1 NO + 1 NC	C	<b>3LD9 200-5BF</b>	1	1 unit	103	0.028
<b>For floor mounting, distribution board mounting or 3LD molded-plastic enclosures</b>								
		<b>4th contact (N conductor)</b> Leading switch-on, delayed switch-off	▶	<b>3LD9 280-0C</b>	1	1 unit	103	0.102
3LD9 280-0C		<b>N- or PE-terminals</b> Through-out	▶	<b>3LD9 280-2C</b>	1	1 unit	103	0.093
		<b>Auxiliary switches</b> For mounting on the left and/or right, lagging switch-on, leading switch-off 1 NO + 1 NC	▶	<b>3LD9 200-5C</b>	1	1 unit	103	0.046
3LD9 200-5C		For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plated contacts for SIMATIC request 1 NO + 1 NC	C	<b>3LD9 200-5CF</b>	1	1 unit	103	0.028
<b>For front and floor mounting</b>								
		<b>Rotary operating mechanisms for four-hole mounting</b> Lockable in 0 position with up to 3 padlocks						
	A	• Black		<b>3LD9 284-1B</b>	1	1 unit	103	0.154
	A	• Red/Yellow		<b>3LD9 284-3B</b>	1	1 unit	103	0.152
3LD9 284-1B		<b>Switching shafts 6 x 6 mm</b> Length 300 mm	C	<b>3LD9 205-0C</b>	1	5 units	103	0.476
		<b>Inscription labels</b> With English/German inscription (MAIN SWITCH/HAUPTSCHALTER)	A	<b>3LD9 286-1A</b>	1	10 units	103	0.005
3LD9 286-1A		Without inscription	A	<b>3LD9 286-4A</b>	1	10 units	103	0.054
		<b>Terminal covers as additional touch protection (also for distribution board mounting)</b> Can be snapped on at top and bottom 1-pole (1 pack = 4 units)	A	<b>3LD9 281-2A</b>	1	4 units	103	0.007
3LD9 281-2A								

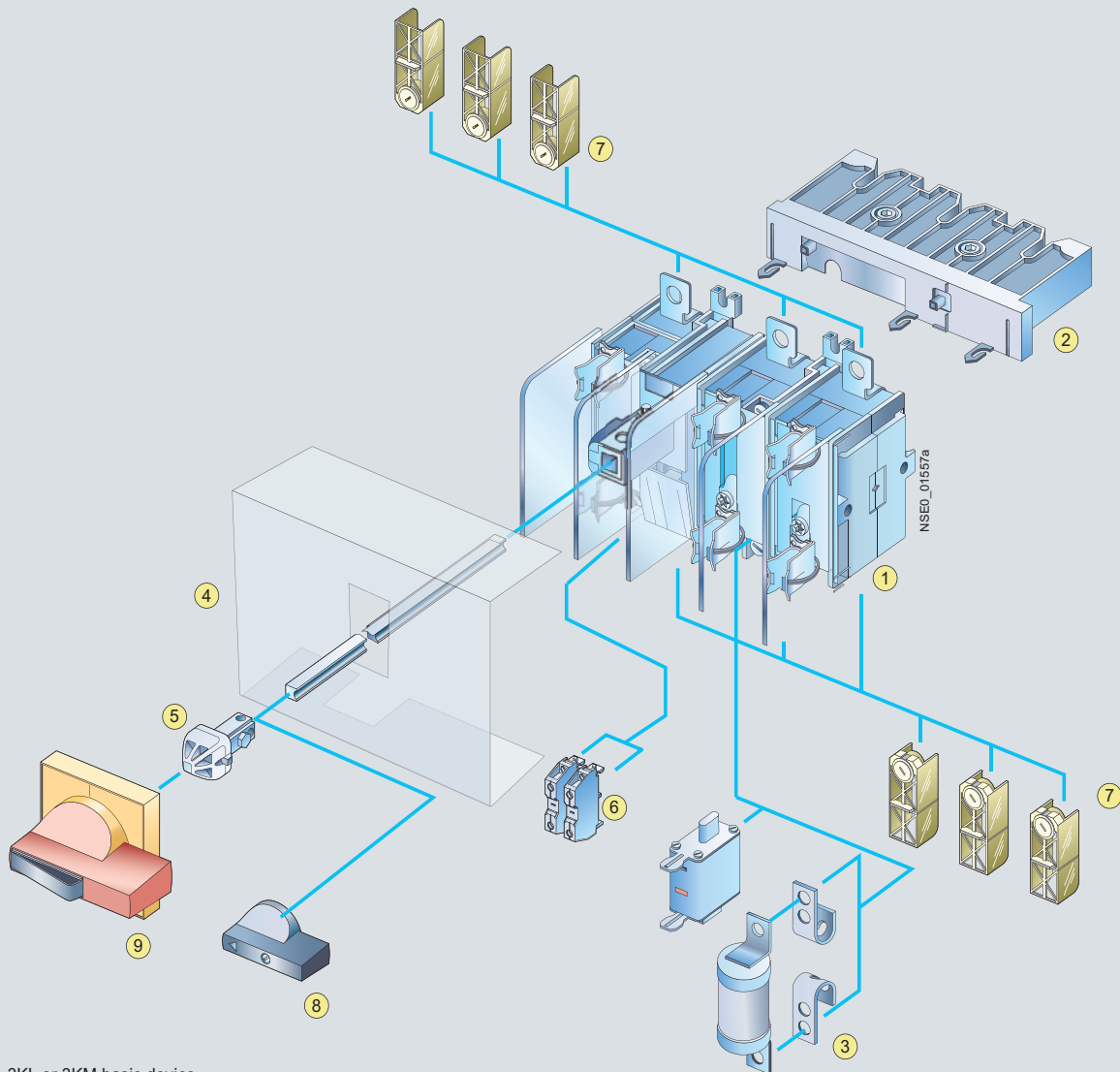
\* You can order this quantity or a multiple thereof.

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3KL Switch Disconnectors with Fuses up to 800 A

General data

## Overview



- ① 3KL or 3KM basic device
- ② Plug-in contact strip for 3KM
- ③ Fuses, optionally BS-88 or NH fuse system
- ④ Terminal cover, IP20 (vertical to operator side)
- ⑤ Coupling driver with extension shaft
- ⑥ Standard products from the Siemens 3SB1 range are used as auxiliary switches.
- ⑦ Single-pole terminal cover from 63 A to 630 A, IP20 (vertical to operator side)

All components from the switch to the actuator are provided with non-interchangeability features.

**Optional**

- ⑧ 8UC9 knob for fixed mounting in standard version (black) or EMERGENCY-STOP version (red), or
- ⑨ 8UC7 door-coupling rotary operating mechanism in standard version (ti-grey) or EMERGENCY-STOP version (red/yellow)

**Application**

3KL switch disconnectors with fuses protect against overload and short-circuits as main control and EMERGENCY-STOP switches of switch boards, distribution boards, power supply and motor outgoing feeders.

In conjunction with Siemens SITOR semiconductor fuses, they are also used in UPS systems, frequency converters and capacitor control systems.

All 3K switch disconnectors are climate-proof and meet the requirements of IEC 60947-1 and IEC 60947-3.



# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3KL Switch Disconnectors with Fuses up to 800 A

### Surface mounting and installation

#### Selection and ordering data

All switch disconnectors with degree of protection IP00

Conductor connecting screws and fuse partitions are generally included in the scope of supply

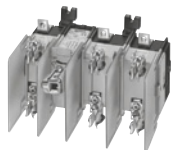
Rated uninterrupted current $I_U$	LV HRC fuse links <sup>1)</sup> acc. to DIN 43620 <sup>2)</sup>		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
	Size	Operational class							
A									

#### Complete versions with 8UC7 door-coupling rotary operating mechanism (black handle)

3-pole for LV HRC fuses									
125	00 and 000	gG, aM	B	<b>3KL52 30-1GB01</b>		1	1 unit	103	2.414
160	00 and 000	gG, aM	B	<b>3KL53 30-1GB01</b>		1	1 unit	103	2.600
250	1 and 2	gG, aM	B	<b>3KL55 30-1GB01</b>		1	1 unit	103	6.112
400	2 and 1	gG, aM	B	<b>3KL57 30-1GB01</b>		1	1 unit	103	6.067
630	3 and 2	gG, aM	B	<b>3KL61 30-1GB00</b>		1	1 unit	103	18.070
630 <sup>3)</sup>	3 and 2 <sup>3)</sup>	gG, aM <sup>3)</sup>	D	<b>3KL61 30-1GB02</b>		1	1 unit	113	15.200
800 <sup>3)</sup>	3 and 2 <sup>3)</sup>	gG, aM <sup>3)</sup>	C	<b>3KL62 30-1GB02</b>		1	1 unit	113	15.200
4-pole for LV HRC fuses									
63	00 and 000	gG, aM	B	<b>3KL50 40-1GB01</b>		1	1 unit	103	2.542
125	00 and 000	gG, aM	B	<b>3KL52 40-1GB01</b>		1	1 unit	103	2.623
160	00 and 000	gG, aM	C	<b>3KL53 40-1GB01</b>		1	1 unit	103	2.776
250	1 and 2	gG, aM	B	<b>3KL55 40-1GB01</b>		1	1 unit	103	6.642
400	2 and 1	gG, aM	B	<b>3KL57 40-1GB01</b>		1	1 unit	103	6.886
630	3 and 2	gG, aM	B	<b>3KL61 40-1GB00</b>		1	1 unit	103	16.690
3-pole for fuses acc. to BS 88									
63	Form A2/A3		B	<b>3KL50 30-1GG01</b>		1	1 unit	103	1.455
125	Form A2/A3		B	<b>3KL52 30-1GG01</b>		1	1 unit	103	2.360
125	Form A4		B	<b>3KL52 30-1GJ01</b>		1	1 unit	103	2.406
160	Form A4		B	<b>3KL53 30-1GJ01</b>		1	1 unit	103	2.575
250	Form B1-B3		B	<b>3KL55 30-1GG01</b>		1	1 unit	103	6.115
400	Form B1-B3		B	<b>3KL57 30-1GG01</b>		1	1 unit	103	6.582
630	Form C1-C3		C	<b>3KL61 30-1GG00</b>		1	1 unit	103	16.278
800	Form C1-C3		D	<b>3KL62 30-1GG00</b>		1	1 unit	113	15.400
4-pole for fuses acc. to BS 88									
63	Form A2/A3		B	<b>3KL50 40-1GG01</b>		1	1 unit	103	2.563
125	Form A2/A3		B	<b>3KL52 40-1GG01</b>		1	1 unit	103	2.560
125	Form A4		B	<b>3KL52 40-1GJ01</b>		1	1 unit	103	2.614
160	Form A4		B	<b>3KL53 40-1GJ01</b>		1	1 unit	103	2.780
250	Form B1-B3		B	<b>3KL55 40-1GG01</b>		1	1 unit	103	6.639
400	Form B1-B3		B	<b>3KL57 40-1GG01</b>		1	1 unit	103	7.148
630	Form C1-C3		C	<b>3KL61 40-1GG00</b>		1	1 unit	103	16.996

#### Basic switch versions without handle

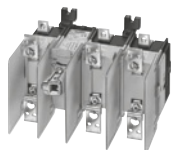
3-pole for LV HRC fuses									
63	00 and 000	gG, aM	▶	<b>3KL50 30-1AB01</b>		1	1 unit	103	1.055
125	00 and 000	gG, aM	▶	<b>3KL52 30-1AB01</b>		1	1 unit	103	1.989
160	00 and 000	gG, aM	▶	<b>3KL53 30-1AB01</b>		1	1 unit	103	2.200
250	1 and 2	gG, aM	▶	<b>3KL55 30-1AB01</b>		1	1 unit	103	5.715
400	2 and 1	gG, aM	▶	<b>3KL57 30-1AB01</b>		1	1 unit	103	5.400
630	3 and 2	gG, aM	A	<b>3KL61 30-1AB0</b>		1	1 unit	113	17.696
630 <sup>3)</sup>	3 and 2 <sup>3)</sup>	gG, aM <sup>3)</sup>	A	<b>3KL61 30-1AB02</b>		1	1 unit	113	14.000
800 <sup>3)</sup>	3 and 2 <sup>3)</sup>	gG, aM <sup>3)</sup>	A	<b>3KL62 30-1AB02</b>		1	1 unit	113	15.200
4-pole for LV HRC fuses									
63	00 and 000	gG, aM	B	<b>3KL50 40-1AB01</b>		1	1 unit	103	2.219
125	00 and 000	gG, aM	B	<b>3KL52 40-1AB01</b>		1	1 unit	103	2.195
160	00 and 000	gG, aM	B	<b>3KL53 40-1AB01</b>		1	1 unit	103	2.344
250	1 and 2	gG, aM	B	<b>3KL55 40-1AB01</b>		1	1 unit	103	5.577
400	2 and 1	gG, aM	B	<b>3KL57 40-1AB01</b>		1	1 unit	103	5.670
630	3 and 2	gG, aM	A	<b>3KL61 40-1AB00</b>		1	1 unit	113	15.423
3-pole for fuses acc. to BS 88									
63	Form A2/A3		B	<b>3KL50 30-1AG01</b>		1	1 unit	103	0.993
125	Form A2/A3		B	<b>3KL52 30-1AG01</b>		1	1 unit	103	1.939
125	Form A4		B	<b>3KL52 30-1AJ01</b>		1	1 unit	103	2.033
160	Form A4		B	<b>3KL53 30-1AJ01</b>		1	1 unit	103	2.170
250	Form B1-B3		B	<b>3KL55 30-1AG01</b>		1	1 unit	103	5.145
400	Form B1-B3		B	<b>3KL57 30-1AG01</b>		1	1 unit	103	5.666
630	Form C1-C3		A	<b>3KL61 30-1AG00</b>		1	1 unit	113	15.075
800	Form C1-C3		C	<b>3KL62 30-1AG00</b>		1	1 unit	113	14.200



3KL52 30-1AB01



3KL52 40-1AB01



3KL52 30-1AJ01

Fuse monitoring through 5TT3 170 safety monitor with a floating 1 NO signaling contact, see [Catalog ET B1](#).

For footnotes, see page 17/37.



# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3KL Switch Disconnectors with Fuses up to 800 A

### Surface mounting and installation

Rated uninterrupted current $I_u$	LV HRC fuse links <sup>1)</sup> according to DIN 43620 <sup>2)</sup>		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Size	Operational class							

A

kg



3KL52 40-1AJ01  
with fuses

#### 4-pole for fuses acc. to BS 88

63	Form A2/A3		B	<b>3KL50 40-1AG01</b>			1	1 unit	103	2.145
125	Form A2/A3		B	<b>3KL52 40-1AG01</b>			1	1 unit	103	2.161
125	Form A4		B	<b>3KL52 40-1AJ01</b>			1	1 unit	103	2.120
160	Form A4		B	<b>3KL53 40-1AJ01</b>			1	1 unit	103	2.230
250	Form B1-B3		B	<b>3KL55 40-1AG01</b>			1	1 unit	103	5.666
400	Form B1-B3		B	<b>3KL57 40-1AG01</b>			1	1 unit	103	6.441
630	Form C1-C3		C	<b>3KL61 40-1AG00</b>			1	1 unit	113	15.708

#### 8UC7 EMERGENCY-STOP door-coupling rotary operating mechanisms (red handle, yellow indicator plate) for basic switch versions without handle

#### 3-pole for LV HRC fuses

63	00 and 000	gG, aM	C	<b>8UC71 21-3BB10</b>			1	1 unit	103	0.200
125	00 and 000	gG, aM	C	<b>8UC72 22-3BB20</b>			1	1 unit	103	0.200
160	00 and 000	gG, aM	C	<b>8UC72 22-3BB20</b>			1	1 unit	103	0.200
250	1 and 2	gG, aM	C	<b>8UC73 23-3BB30</b>			1	1 unit	103	0.200
400	2 and 1	gG, aM	C	<b>8UC73 23-3BB30</b>			1	1 unit	103	0.200
630	3 and 2	gG, aM	C	<b>8UC74 24-3BB44</b>			1	1 unit	103	0.200
				+ <b>8UC92 53</b>			1	1 unit	103	0.115
800	3 and 2	gG, aM	C	<b>8UC74 24-3BB44</b>			1	1 unit	103	0.200
				+ <b>8UC92 53</b>			1	1 unit	103	0.115

#### 4-pole for LV HRC fuses

63	00 and 000	gG, aM	C	<b>8UC72 22-3BB20</b>			1	1 unit	103	0.200
125	00 and 000	gG, aM	C	<b>8UC72 22-3BB20</b>			1	1 unit	103	0.200
160	00 and 000	gG, aM	C	<b>8UC72 22-3BB20</b>			1	1 unit	103	0.200
250	1 and 2	gG, aM	C	<b>8UC73 23-3BB30</b>			1	1 unit	103	0.200
400	2 and 1	gG, aM	C	<b>8UC73 23-3BB30</b>			1	1 unit	103	0.200
630	3 and 2	gG, aM	C	<b>8UC74 24-3BB44</b>			1	1 unit	103	0.200
				+ <b>8UC92 53</b>			1	1 unit	103	0.115

#### 3-pole for fuses acc. to BS 88

63	Form A2/A3		C	<b>8UC71 21-3BB10</b>			1	1 unit	103	0.200
125	Form A2/A3		C	<b>8UC72 22-3BB20</b>			1	1 unit	103	0.200
125	Form A4		C	<b>8UC72 22-3BB20</b>			1	1 unit	103	0.200
160	Form A4		C	<b>8UC72 22-3BB20</b>			1	1 unit	103	0.200
250	Form B1-B3		C	<b>8UC73 23-3BB30</b>			1	1 unit	103	0.200
400	Form B1-B3		C	<b>8UC73 23-3BB30</b>			1	1 unit	103	0.200
630	Form C1-C3		C	<b>8UC74 24-3BB44</b>			1	1 unit	103	0.200
				+ <b>8UC92 53</b>			1	1 unit	103	0.115
800	Form C1-C3		C	<b>8UC74 24-3BB44</b>			1	1 unit	103	0.200
				+ <b>8UC92 53</b>			1	1 unit	103	0.115

#### 4-pole for fuses acc. to BS 88

63	Form A2/A3		C	<b>8UC72 22-3BB20</b>			1	1 unit	103	0.200
125	Form A2/A3		C	<b>8UC72 22-3BB20</b>			1	1 unit	103	0.200
125	Form A4		C	<b>8UC72 22-3BB20</b>			1	1 unit	103	0.200
160	Form A4		C	<b>8UC72 22-3BB20</b>			1	1 unit	103	0.200
250	Form B1-B3		C	<b>8UC73 23-3BB30</b>			1	1 unit	103	0.200
400	Form B1-B3		C	<b>8UC73 23-3BB30</b>			1	1 unit	103	0.200
630	Form C1-C3		C	<b>8UC74 24-3BB44</b>			1	1 unit	103	0.200
				+ <b>8UC92 53</b>			1	1 unit	103	0.115

Fuse monitoring through 5TT3 170 safety monitor with a floating 1 NO signaling contact, see [Catalog ET B1](#).

Footnotes for page 17/36 and page 17/37:

- <sup>1)</sup> Silver-plated fuse blades. Silver-plated isolating links can be used if desired.
- <sup>2)</sup> For the assignment of semiconductor fuses see "Accessories".
- <sup>3)</sup> With SITOR 3NE fuse links us-approved.

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3KL Switch Disconnectors with Fuses up to 800 A

### Front mounting

#### Selection and ordering data

All switch disconnectors with degree of protection IP00

Conductor connecting screws and fuse partitions are generally included in the scope of supply

Rated uninterrupted current $I_U$	LV HRC fuse links <sup>1)</sup> acc. to DIN 43620 <sup>2)</sup>		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Size	Operational class							
A									kg

**Assembly kits (IP40) comprising: lockable handle, cover for LV HRC fuses (locked in ON state) and three terminal covers for infeed side for basic switch versions without handle**

#### 3-pole, assembly kits for mounting in control cabinet side panels

##### • Black handle

63	00	gG, aM	B	<b>3KX3 516-3AA</b>		1	1 unit	103	0.626
125	00	gG, aM	B	<b>3KX3 526-3AA</b>		1	1 unit	103	0.820
160	00	gG, aM	B	<b>3KX3 536-3AA</b>		1	1 unit	103	0.880
250	1 and 2	gG, aM	B	<b>3KX3 556-3AA</b>		1	1 unit	103	1.720
400	2 and 1	gG, aM	B	<b>3KX3 556-3AA</b>		1	1 unit	103	1.720

##### • EMERGENCY-STOP red handle

63	00	gG, aM	B	<b>3KX3 516-3BA</b>		1	1 unit	103	0.625
125	00	gG, aM	B	<b>3KX3 526-3BA</b>		1	1 unit	103	0.846
160	00	gG, aM	B	<b>3KX3 536-3BA</b>		1	1 unit	103	0.883
250	1 and 2	gG, aM	B	<b>3KX3 556-3BA</b>		1	1 unit	103	1.690
400	2 and 1	gG, aM	B	<b>3KX3 556-3BA</b>		1	1 unit	103	1.690

Fuse monitoring through 5TT3 170 safety monitor with a floating 1 NO signaling contact, see [Catalog ET B1](#).

<sup>1)</sup> Silver-plated fuse blades. Silver-plated isolating links can be used if desired.








<sup>2)</sup> For the assignment of semiconductor fuses see ["Accessories"](#).

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3KL Switch Disconnectors with Fuses up to 800 A

Accessories

## Selection and ordering data

Version	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
<b>3KL50 30</b>							
 3KX3 552-3DA01		<b>Terminal covers</b> (1 set = 6 units) for 3-pole devices	▶	<b>3KX3 552-3DA01</b>	1	1 unit	103 0.077
 3KX3 5.7-3AA		<b>Fuse covers</b> (interlock only detachable in the OFF position)	▶	<b>3KX3 517-3AA</b>	1	1 unit	103 0.041
		<b>Covers IP20</b> For 3-pole devices	▶	<b>3KX3 507-0CA02</b>	1	1 unit	103 0.400
		<b>Fuse partitions</b> (1 set = 5 units)	▶	<b>3KX3 507-0AA01</b>	1	1 unit	103 0.044
 3KX3 507-0BA01	B	<b>Lyre-shaped fuse covers</b> (1 set = 6 units)		<b>3KX3 507-0BA01</b>	1	1 unit	103 0.033
	C	<b>Door-coupling rotary operating mechanisms IP65</b> Black handle, shaft 300 mm		<b>8UC71 11-1BB10</b>	1	1 unit	103 0.200
	C	EMERGENCY-STOP (yellow/red), shaft 300 mm		<b>8UC71 21-3BB10</b>	1	1 unit	103 0.200
		<b>Operating mechanisms for fixed mounting</b> Black handle, shaft 250 mm	▶	<b>3KX3 516-1AA</b>	1	1 unit	103 0.088
	B	<b>Extension shafts, 300 mm long</b>		<b>8UC60 31</b>	1	1 unit	103 0.068
	B	<b>Extension shafts, 600 mm long</b>		<b>8UC60 81</b>	1	1 unit	103 0.136
	B	<b>Shaft connecting pieces</b>		<b>8UC60 21</b>	1	1 unit	103 0.031
 3SB14 00-0A	C	<b>Auxiliary switches</b> 1 NO + 1 NC <sup>1)</sup>		<b>3SB14 00-0A</b>	1	1 unit	102 0.020
	B	<b>Fuse monitor connections</b> (1 set = 6 units)		<b>3KX3 505-0AA</b>	1	1 unit	103 0.014
<b>3KL50 40/3KL52/3KL53</b>							
 3KX3 552-3DA01		<b>Terminal covers</b> For 3-pole devices (1 set = 6 units)	▶	<b>3KX3 552-3DA01</b>	1	1 unit	103 0.077
		• 3KL52	▶	<b>3KX3 553-3DA01</b>	1	1 unit	103 0.147
		• 3KL53	▶	<b>3KX3 553-3DA01</b>	1	1 unit	103 0.147
	B	For 4-pole devices (1 set = 8 units)		<b>3KX3 552-3DB01</b>	1	1 unit	103 0.102
	B	• 3KL50 40, 3KL52		<b>3KX3 553-3DB01</b>	1	1 unit	103 0.170
		• 3KL53		<b>3KX3 553-3DB01</b>	1	1 unit	103 0.170
 3KX3 5.7-3AA		<b>Fuse covers<sup>2)</sup></b> (interlock only detachable in the OFF position)	▶	<b>3KX3 527-3AA</b>	1	1 unit	103 0.071
		<b>Covers IP20</b> For 3KL52 3-pole devices	▶	<b>3KX3 527-0CA02</b>	1	1 unit	103 0.765
		<b>Covers IP20</b> For 3KL53 3-pole devices	▶	<b>3KX3 537-0CA02</b>	1	1 unit	103 0.765
		<b>Fuse partitions</b> (1 set = 5 units)	▶	<b>3KX3 507-0AA01</b>	1	1 unit	103 0.044
 3KX3 507-0BA01	B	<b>Lyre-shaped fuse covers</b> (1 set = 6 units)		<b>3KX3 507-0BA01</b>	1	1 unit	103 0.033

1) For more 3SB14 00-0. contact blocks with other contact types, see "Pushbutton Units and Indicator Lights".

2) For 3KX3 527-3AA: Not suitable for use with type A4 BS fuses.

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3KL Switch Disconnectors with Fuses up to 800 A

### Accessories

Version	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
<b>Door-coupling rotary operating mechanisms IP65</b>							
Black handle, shaft 300 mm	C	<b>8UC72 12-1BB20</b>		1	1 unit	103	0.200
EMERGENCY-STOP (yellow/red), shaft 300 mm	C	<b>8UC72 22-3BB20</b>		1	1 unit	103	0.200
<b>Operating mechanisms for fixed mounting</b>							
Black handle, shaft 250 mm	▶	<b>3KX3 536-1AA</b>		1	1 unit	103	0.155
<b>Extension shafts, 300 mm long</b>							
	B	<b>8UC60 32</b>		1	1 unit	103	0.132
<b>Extension shafts, 600 mm long</b>							
	B	<b>8UC60 82</b>		1	1 unit	103	0.265
<b>Shaft connecting pieces</b>							
	B	<b>8UC60 22</b>		1	1 unit	103	0.023
<b>Auxiliary switches</b>							
1 NO + 1 NC <sup>1)</sup>	C	<b>3SB14 00-0A</b>		1	1 unit	102	0.020
<b>20 ms leading</b>							
1 NO + 1 NC	B	<b>3KX3 552-3EA01</b>		1	1 unit	103	0.019
<b>Fuse monitor connections</b>							
(1 set = 6 units)	B	<b>3KX3 505-0AA</b>		1	1 unit	103	0.014
<b>3KL55/3KL57</b>							
<b>Terminal covers</b>							
For 3-pole devices (1 set = 6 units)	▶	<b>3KX3 557-3DA01</b>		1	1 unit	103	0.277
For 4-pole devices (1 set = 8 units)	B	<b>3KX3 557-3DB01</b>		1	1 unit	103	0.362
<b>Fuse covers</b>							
(interlock only detachable in the OFF position)	▶	<b>3KX3 557-3AA</b>		1	1 unit	103	0.212
<b>Covers IP20</b>							
For 3-pole devices	▶	<b>3KX3 557-0CA02</b>		1	1 unit	103	1.235
<b>Fuse partitions</b>							
(1 set = 5 units)	▶	<b>3KX3 557-0AA01</b>		1	1 unit	103	0.162
<b>Door-coupling rotary operating mechanisms IP65</b>							
Black handle, shaft 300 mm	C	<b>8UC73 13-1BB30</b>		1	1 unit	103	0.200
EMERGENCY-STOP (yellow/red), shaft 300 mm	C	<b>8UC73 23-3BB30</b>		1	1 unit	103	0.200
<b>Operating mechanisms for fixed mounting, size 3</b>							
Black handle, shaft 250 mm	▶	<b>3KX3 176-1E</b>		1	1 unit	103	0.285
<b>Extension shafts, 300 mm long</b>							
	C	<b>8UC60 33</b>		1	1 unit	103	0.217
<b>Extension shafts, 600 mm long</b>							
	B	<b>8UC60 83</b>		1	1 unit	103	0.430
<b>Shaft connecting pieces</b>							
	B	<b>8UC60 23</b>		1	1 unit	103	0.085
<b>Auxiliary switches</b>							
1 NO + 1 NC <sup>1)</sup>	C	<b>3SB14 00-0A</b>		1	1 unit	102	0.020
<b>20 ms leading</b>							
1 NO + 1 NC	B	<b>3KX3 552-3EA01</b>		1	1 unit	103	0.019
<b>Fuse monitor connections</b>							
(1 set = 6 units)	B	<b>3KX3 505-0AA</b>		1	1 unit	103	0.014



3SB14 00-0A



3KX3 5.7-3AA



3KX3 176-1E



3SB14 00-0A

<sup>1)</sup> For more 3SB14 00-0. contact blocks with other contact types, see "Pushbutton Units and Indicator Lights".

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3KL Switch Disconnectors with Fuses up to 800 A

### Accessories

Version	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
<b>3KL61/3KL62</b>							
<b>Terminal covers</b> (1 set = 6 units) for 3-pole devices (1 set = 8 units) for 4-pole devices	▶ B	<b>3KX3 561-3DA01</b> <b>3KX3 561-3DB01</b>		1 1	1 unit 1 unit	103 103	0.263 0.365
<b>Fuse covers</b> Cover plate Complete covers <sup>1)</sup>	A A	<b>3KX3 561-0AA00</b> <b>3KX3 561-1AA00</b>		1 1	1 unit 1 unit	113 113	0.408 0.408
<b>Door-coupling rotary operating mechanisms IP65</b> Black handle, shaft 300 mm	C	<b>8UC74 14-1BB44</b> + <b>8UC92 53</b>		1 1	1 unit 1 unit	103 103	0.200 0.115
EMERGENCY-STOP (yellow/red), shaft 300 mm	C	<b>8UC74 24-3BB44</b> + <b>8UC92 53</b>		1 1	1 unit 1 unit	103 103	0.200 0.115
<b>Operating mechanisms for fixed mounting, size 5</b> Black handle, shaft 250 mm	▶	<b>3KX3 616-1A</b>		1	1 unit	103	0.490
<b>Extension shafts, 300 mm long</b>	B	<b>8UC60 34</b>		1	1 unit	103	0.315
<b>Extension shafts, 600 mm long</b>	B	<b>8UC60 84</b>		1	1 unit	103	0.640
<b>Shaft connecting pieces</b>	B	<b>8UC60 24</b>		1	1 unit	103	0.077
<b>Auxiliary switches</b> 1 NO + 1 NC <sup>2)</sup>	C	<b>3KX3 612-1B</b>		1	1 unit	113	0.201



8UC92 53

<sup>1)</sup> Only for LV HRC fuses.

<sup>2)</sup> For more 3SB14 00-0. contact blocks with other contact types, see "Pushbutton Units and Indicator Lights".

### SITOR fuses for 3KL and KM fuse switch disconnectors: assignment table

For switch disconnectors			SITOR fuses				DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Type 3KL (Type 3KM)	Permissible load current <sup>1)</sup>	Required conductor cross-section Cu	Size	Operational class	Rated current	Rated voltage							
A		mm <sup>2</sup>			A	V							
<b>SITOR 3NE1 fuses for 3KL5, 3KL6 and 3 KM5</b>													
3KL50 30 (3KM50 30)	16 20 25 35 40 50 63	1.5 2.5 4 6 10 10 16	000 <sup>1)</sup> 000 <sup>1)</sup> 000 <sup>1)</sup> 000 <sup>1)</sup> 000 <sup>1)</sup> 000 <sup>1)</sup> 000 <sup>1)</sup>	gR/gS gR/gS gR/gS gR/gS gR/gS gR/gS gR/gS	16 20 25 35 40 50 63	690 690 690 690 690 690 690	▶ ▶ ▶ ▶ ▶ ▶ ▶	<b>3NE1 813-0</b> <b>3NE1 814-0</b> <b>3NE1 815-0</b> <b>3NE1 803-0</b> <b>3NE1 802-0</b> <b>3NE1 817-0</b> <b>3NE1 818-0</b>		1 1 1 1 1 1 1	3 units 3 units 3 units 3 units 3 units 3 units 3 units	047 047 047 047 047 047 047	0.127 0.128 0.127 0.128 0.127 0.128 0.128
3KL52 30 (3KM52 30)	80 100 125 125	25 35 50 50	000 <sup>1)</sup> 00 00 00	gR/gS gR/gS gR/gS gR	80 100 125 125	690 690 690 690	▶ ▶ ▶ A	<b>3NE1 820-0</b> <b>3NE1 021-0</b> <b>3NE1 022-0</b> <b>3NE1 022-2</b>		1 1 1 1	3 units 3 units 3 units 3 units	047 047 047 047	0.129 0.202 0.202 0.203
3KL55 30 (3KM55 30)	160 160 200 200 250 245	70 70 95 95 120 120	1 1 1 1 1 1	gR/gS gR gR/gS gR gR/gS gR	160 160 200 200 250 250	690 690 690 690 690 690	▶ A ▶ A ▶ A	<b>3NE1 224-0</b> <b>3NE1 224-2</b> <b>3NE1 225-0</b> <b>3NE1 225-2</b> <b>3NE1 227-0</b> <b>3NE1 227-2</b>		1 1 1 1 1 1	3 units 3 units 3 units 3 units 3 units 3 units	047 047 047 047 047 047	0.580 0.613 0.582 0.612 0.580 0.626
3KL57 30 (3KM57 30)	315 280	2 × 70 2 × 70	1 1	gR/gS gR	315 315	690 690	A A	<b>3NE1 230-0</b> <b>3NE1 230-2</b>		1 1	3 units 3 units	047 047	0.581 0.615
3KL57 3KL61 30 (3KM57 30)	350 (330) <sup>2)</sup> 350 (300) <sup>2)</sup> 400 (375) <sup>2)</sup>	2 × 95 2 × 95 2 × 95	2 2 2	gR/gS gR gR/gS	350 400 400	690 690 690	▶ A ▶	<b>3NE1 331-0</b> <b>3NE1 331-2</b> <b>3NE1 332-0</b>		1 1 1	3 units 3 units 3 units	047 047 047	0.766 0.754 0.743
3KL61 30 (3KM57 30)	450 (400) <sup>2)</sup> 450 (325) <sup>2)</sup> 500 (400) <sup>2)</sup> 500 (350) <sup>2)</sup>	2 × 120 2 × 120 2 × 120 2 × 120	2 2 2 2	gR/gS gR gR/gS gR	450 450 500 500	690 690 690 690	A A A A	<b>3NE1 333-0</b> <b>3NE1 333-2</b> <b>3NE1 334-0</b> <b>3NE1 334-2</b>		1 1 1 1	3 units 3 units 3 units 3 units	047 047 047 047	0.760 0.768 0.766 0.768

<sup>1)</sup> Permissible load current in the switch disconnector. In the case of cyclic loads, the currents may have to be reduced again (precise values on request).

<sup>2)</sup> Values in blue in brackets apply to 3KM switch disconnectors.

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3KL Switch Disconnectors with Fuses up to 800 A

### Accessories

For switch disconnectors		SITOR fuses						DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Type 3KL (Type 3KM)	Permissible load current <sup>1)</sup>	Required conductor cross-section Cu	Size	Operational class	Rated current	Rated voltage								
A		mm <sup>2</sup>			A	V							kg	
630 (710) <sup>3)</sup>		2 x (40 x 5)	3	gR/gS	710	690	A	<b>3NE1 437-0</b>		1	3 units	047	1.117	
630 (710) <sup>3)</sup>		2 x (40 x 5)	3	gR	710	600	D	<b>3NE1 437-1</b>		1	3 units	047	1.120	
630 (700) <sup>3)</sup>		2 x (40 x 5)	3	gR	710	690	B	<b>3NE1 437-2</b>		1	3 units	047	1.153	
630 (800) <sup>3)</sup>		2 x (50 x 5)	3	gR/gS	800	690	A	<b>3NE1 438-0</b>		1	3 units	047	1.124	
630 (800) <sup>3)</sup>		2 x (50 x 5)	3	gR	800	600	B	<b>3NE1 438-1</b>		1	3 units	047	1.113	
630 (760) <sup>3)</sup>		2 x (50 x 5)	3	gR	800	690	A	<b>3NE1 438-2</b>		1	3 units	047	1.184	
3KL61 30 (3KL62)	630 (670) <sup>3)</sup> 630 (790) <sup>3)</sup>	2 x (40 x 5) 2 x (40 x 8)	3	gR gR	670 850	690 690	A A	<b>3NE1 447-2</b> <b>3NE1 448-2</b>		1 1	3 units 3 units	047 047	1.170 1.207	
<b>SITOR 3NE3 ... 3NE8, 3NC2 fuses for 3KL5, 3KL6 and 3KM5</b>														
3KL50 (3KM50)	25 33 45 54	4 6 10 16	00 00 00 00	gR gR gR gR	25 35 50 63	690 690 690 690	▶ ▶ ▶ ▶	<b>3NE8 015-1</b> <b>3NE8 003-1</b> <b>3NE8 017-1</b> <b>3NE8 018-1</b>		1 1 1 1	3 units 3 units 3 units 3 units	047 047 047 047	0.205 0.204 0.203 0.205	
3KL52 (3KM52)	68 89 106 130	25 35 50 70	00 00 00 00	aR aR aR aR	80 100 125 160	690 690 690 690	▶ ▶ ▶ ▶	<b>3NE8 020-1</b> <b>3NE8 021-1</b> <b>3NE8 022-1</b> <b>3NE8 024-1</b>		1 1 1 1	3 units 3 units 3 units 3 units	047 047 047 047	0.203 0.205 0.213 0.207	
3KL55 <sup>2)</sup> (3KM55 <sup>2)</sup> )	32 40 50 63  80 95 120 150  90 110 140 175 210	6 10 10 16  25 35 50 70	0 0 0 0  0 0 0 0	gR gR gR gR  aR aR aR aR	32 40 50 63  80 100 125 160	1000 1000 1000 1000  1000 1000 1000 1000	▶ ▶ ▶ ▶  ▶ ▶ ▶ ▶	<b>3NE4 101</b> <b>3NE4 102</b> <b>3NE4 117</b> <b>3NE4 118</b>  <b>3NE4 120</b> <b>3NE4 121</b> <b>3NE4 122</b> <b>3NE4 124</b>		1 1 1 1  1 1 1 1	3 units 3 units 3 units 3 units  3 units 3 units 3 units 3 units	047 047 047 047  047 047 047 047	0.278 0.277 0.276 0.279  0.276 0.278 0.279 0.279	
3KL57 (3KM57)	240 265 290 320	185 240 240 2 x 150	1 1 1 1	aR aR aR aR	315 350 400 450	1000 1000 1000 1000	▶ ▶ ▶ ▶	<b>3NE3 230-0B</b> <b>3NE3 231</b> <b>3NE3 232-0B</b> <b>3NE3 233</b>		1 1 1 1	3 units 3 units 3 units 3 units	047 047 047 047	0.585 0.590 0.576 0.720	
3KL61 (3KL62) (3KM57)	340 (360) <sup>3)</sup> (290) <sup>4)</sup> 380 (400) <sup>3)</sup> (320) <sup>4)</sup> 440 (470) <sup>3)</sup> (360) <sup>4)</sup> 500 (530) <sup>3)</sup> (400) <sup>4)</sup> 540 (580) <sup>3)</sup> (400) <sup>4)</sup>  600 (640) <sup>3)</sup> (400) <sup>4)</sup> 630 (720) <sup>3)</sup> (400) <sup>4)</sup> 630 (800) <sup>3)</sup> (400) <sup>4)</sup>  200 (200) <sup>3)</sup> (175) <sup>4)</sup> 260 (260) <sup>3)</sup> (230) <sup>4)</sup> 370 (370) <sup>3)</sup> (340) <sup>4)</sup> 425 (450) <sup>3)</sup> (380) <sup>4)</sup> 600 (630) <sup>3)</sup> (400) <sup>4)</sup>	240 2 x 150 2 x 150 2 x 185 2 x 185  2 x 200 2 x 200 2 x 200  120 240 2 x (30 x 5) 2 x (30 x 5) 2 x (40 x 5)	2 2 2 2 2  2 2 2  2 2 2 2 2	aR aR aR aR aR  aR aR aR  aR aR aR aR aR	400 450 500 560 630  710 800 900  250 315 450 500 710	1000 1000 1000 1000 1000  800 800 690  800 800 800 800 800	A A A A A  A A A  A A A A A	▶ ▶ ▶ ▶ ▶  ▶ ▶ ▶ ▶ ▶ ▶ ▶ ▶ ▶	<b>3NE3 332-0B</b> <b>3NE3 333</b> <b>3NE3 334-0B</b> <b>3NE3 335</b> <b>3NE3 336</b>  <b>3NE3 337-8</b> <b>3NE3 338-8</b> <b>3NE3 340-8</b>  <b>3NE4 327-0B</b> <b>3NE4 330-0B</b> <b>3NE4 333-0B</b> <b>3NE4 334-0B</b> <b>3NE4 337</b>		1 1 1 1 1  1 1 1  1 1 1 1 1	3 units 3 units 3 units 3 units 3 units  3 units 3 units 3 units  3 units 3 units 3 units 3 units 3 units	047 047 047 047 047  047 047 047  047 047 047 047 047	0.759 0.748 0.753 0.756 0.760  0.762 0.764 0.753  0.753 0.760 0.760 0.760 0.754 0.771
3KL61 (3KL62)	145 (150) <sup>3)</sup> 180 (190) <sup>3)</sup> 225 (240) <sup>3)</sup> 255 (270) <sup>3)</sup> 330 (345) <sup>3)</sup> 400 (400) <sup>3)</sup>  135 (140) <sup>3)</sup> 180 (190) <sup>3)</sup> 225 (240) <sup>3)</sup> 300 (315) <sup>3)</sup> 425 (450) <sup>3)</sup> 630 (800) <sup>3)</sup>	70 95 120 185 240 240  70 95 120 240 2 x 150	3 3 3 3 3 3  3 3 3 3 3	gR gR gR gR gR gR  gR gR gR gR gR	150 200 250 300 350 400  150 200 250 350 500	500 500 500 500 500 500  660 660 660 660 660	B A B B B B  B B B B B	▶ ▶ ▶ ▶ ▶ ▶  ▶ ▶ ▶ ▶ ▶	<b>3NC2 423-3C</b> <b>3NC2 425-3</b> <b>3NC2 427-3</b> <b>3NC2 428-3</b> <b>3NC2 431-3C</b> <b>3NC2 432-3C</b>  <b>3NC8 423-3</b> <b>3NC8 425-3</b> <b>3NC8 427-3</b> <b>3NC8 431-3</b> <b>3NC8 434-3</b> <b>3NC8 444-3</b>		1 1 1 1 1 1  1 1 1 1 1	3 units 3 units 3 units 3 units 3 units 3 units  3 units 3 units 3 units 3 units 3 units	047 047 047 047 047 047  047 047 047 047 047	0.940 1.057 1.066 1.078 0.940 0.940  1.062 1.063 1.069 1.072 1.069

<sup>1)</sup> Permissible load current in the switch disconnector. In the case of cyclic loads, the currents may have to be reduced again (precise values on request).

<sup>2)</sup> Due to the mechanical stress on the relatively long fuse blades, SITOR 3NE41 fuses should be switchable only occasionally and only at zero current.

<sup>3)</sup> Values in black in brackets apply to 3KL62 switch disconnectors.

<sup>4)</sup> Values in blue in brackets apply to 3KM switch disconnectors.

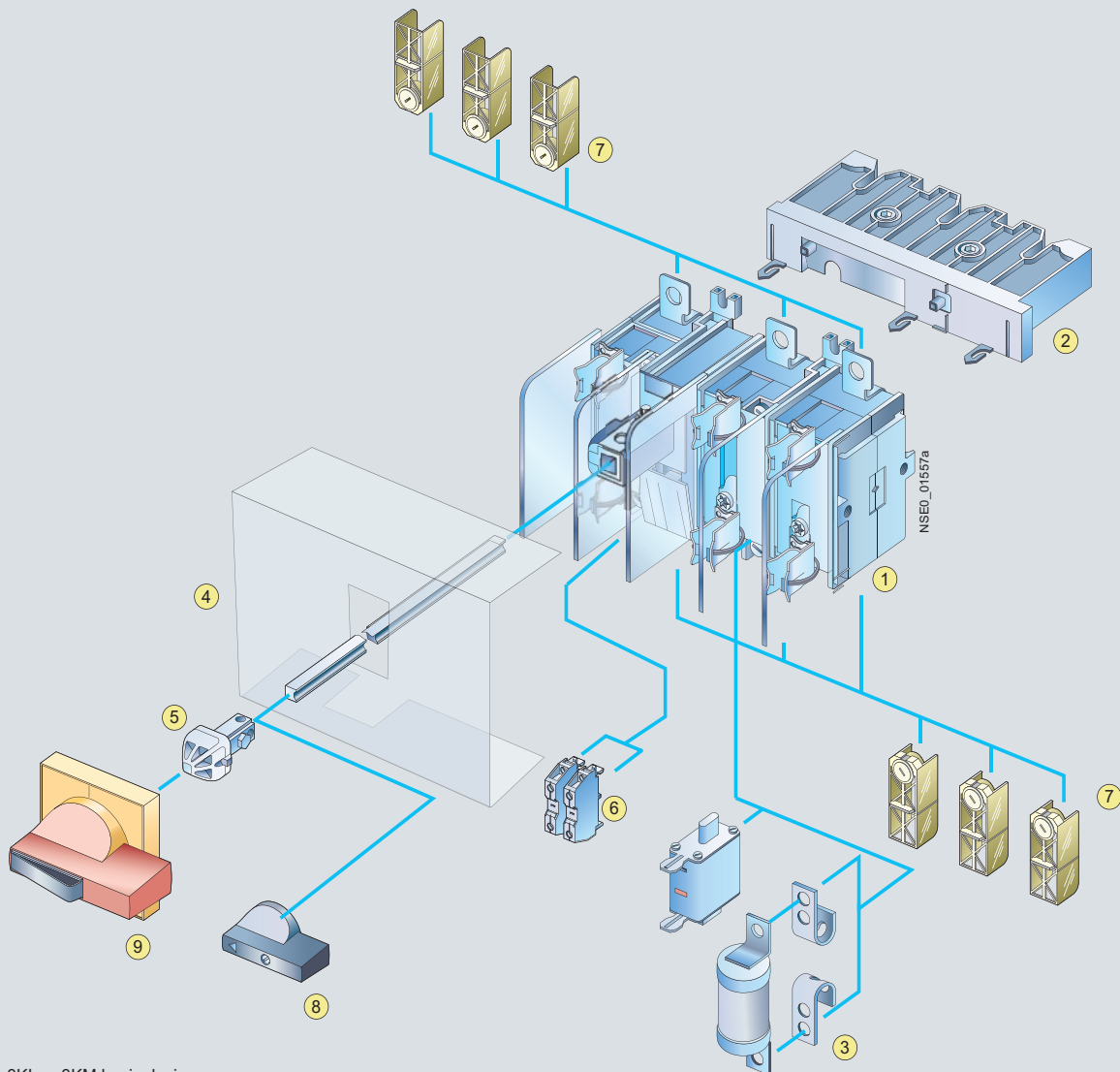
For technical specifications and dimensional drawings of the SITOR fuses see [Catalog ET B1](#).

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3KM Switch Disconnectors with Fuses and Isolating Plug Connectors up to 400 A

General data

## Overview



- ① 3KL or 3KM basic device
- ② Plug-in contact strip for 3KM
- ③ Fuses, optionally BS-88 or NH fuse system
- ④ Terminal cover, IP20 (vertical to operator side)
- ⑤ Coupling driver with extension shaft
- ⑥ Standard products from the Siemens 3SB1 range are used as auxiliary switches.
- ⑦ Single-pole terminal cover from 63 A to 630 A, IP20 (vertical to operator side)

All components from the switch to the actuator are provided with non-interchangeability features.

**Optional**

- ⑧ 8UC9 knob for fixed mounting in standard version (black) or EMERGENCY-STOP version (red), or
- ⑨ 8UC7 door-coupling rotary operating mechanism in standard version (ti-grey) or EMERGENCY-STOP version (red/yellow)

**Application**

3KM switch disconnectors with fuses protect against overload and short-circuits as main control and EMERGENCY-STOP switches of switch boards, distribution boards, power supply and motor outgoing feeders.

In conjunction with Siemens SITOR semiconductor fuses, they are also used in UPS systems, frequency converters and capacitor control systems.

All 3K switch disconnectors are climate-proof and meet the requirements of IEC 60947-1 and IEC 60947-3.



# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3KM Switch Disconnectors with Fuses and Isolating Plug Connectors up to 400 A

For snapping onto busbars

### Selection and ordering data

All switch disconnectors with degree of protection IP00

Mounting on vertical busbars with busbar center-to-center spacing of 60 mm and bar thickness from 5 mm to 6.35 mm

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

Rated uninterrupted current $I_U$	LV HRC fuse links <sup>1)</sup> acc. to DIN 43620 <sup>2)</sup>		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Size	Operational class							
A									kg

#### 8UC7 complete versions with door-coupling rotary operating mechanisms

##### 3-pole for LV HRC fuses

- (Black handle)

63	00 and 000	gG, aM	B	<b>3KM50 30-1GB01</b>		1	1 unit	103	1.890
125	00 and 000	gG, aM	B	<b>3KM52 30-1GB01</b>		1	1 unit	103	2.860
160	00 and 000	gG, aM	B	<b>3KM53 30-1GB01</b>		1	1 unit	103	2.935
250	1 and 2	gG, aM	B	<b>3KM55 30-1GB01</b>		1	1 unit	103	5.670
400	2 and 1	gG, aM	B	<b>3KM57 30-1GB01</b>		1	1 unit	103	6.938

##### 3-pole for fuses acc. to BS 88

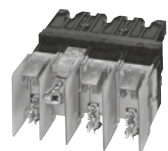
- Complete versions with 8UC7 door-coupling rotary operating mechanism (black handle)

125	Form A2/A3		C	<b>3KM52 30-1GG01</b>		1	1 unit	103	2.785
125	Form A4		C	<b>3KM52 30-1GJ01</b>		1	1 unit	103	2.340
160	Form A4		C	<b>3KM53 30-1GJ01</b>		1	1 unit	103	2.926
250	Form B1-B3		C	<b>3KM55 30-1GG01</b>		1	1 unit	103	6.651
400	Form B1-B3		C	<b>3KM57 30-1GG01</b>		1	1 unit	103	7.175

#### Basic switch versions without handle

##### 3-pole for LV HRC fuses

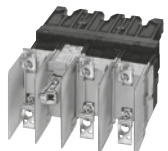
63	00 and 000	gG, aM	B	<b>3KM50 30-1AB01</b>		1	1 unit	103	1.515
125	00 and 000	gG, aM	B	<b>3KM52 30-1AB01</b>		1	1 unit	103	2.450
160	00 and 000	gG, aM	C	<b>3KM53 30-1AB01</b>		1	1 unit	103	2.516
250	1 and 2	gG, aM	B	<b>3KM55 30-1AB01</b>		1	1 unit	103	5.698
400	2 and 1	gG, aM	B	<b>3KM57 30-1AB01</b>		1	1 unit	103	5.966



3KM53 30-1AB01 with fuses

##### 3-pole for fuses acc. to BS 88

63	Form A2/A3		C	<b>3KM50 30-1AG01</b>		1	1 unit	103	1.450
125	Form A2/A3		C	<b>3KM52 30-1AG01</b>		1	1 unit	103	2.405
125	Form A4		C	<b>3KM52 30-1AJ01</b>		1	1 unit	103	2.430
160	Form A4		C	<b>3KM53 30-1AJ01</b>		1	1 unit	103	2.520
250	Form B1-B3		C	<b>3KM55 30-1AG01</b>		1	1 unit	103	5.689
400	Form B1-B3		C	<b>3KM57 30-1AG01</b>		1	1 unit	103	6.250



3KM55 30-1AG01 with fuses

#### 8UC7 EMERGENCY-STOP door-coupling rotary operating mechanisms (red handle, yellow indicator plate) for basic switch versions without handle

63	00 and 000	gG, aM	C	<b>8UC71 21-3BB10</b>		1	1 unit	103	0.200
125	00 and 000	gG, aM	C	<b>8UC72 22-3BB20</b>		1	1 unit	103	0.200
160	00 and 000	gG, aM	C	<b>8UC72 22-3BB20</b>		1	1 unit	103	0.200
250	1 and 2	gG, aM	C	<b>8UC73 23-3BB30</b>		1	1 unit	103	0.200
400	2 and 1	gG, aM	C	<b>8UC73 23-3BB30</b>		1	1 unit	103	0.200

- 8UC7 EMERGENCY-STOP door-coupling rotary operating mechanisms (red handle, yellow indicator plate)

63	Form A2/A3		C	<b>8UC71 21-3BB10</b>		1	1 unit	103	0.200
125	Form A2/A3		C	<b>8UC72 22-3BB20</b>		1	1 unit	103	0.200
125	Form A4		C	<b>8UC72 22-3BB20</b>		1	1 unit	103	0.200
160	Form A4		C	<b>8UC72 22-3BB20</b>		1	1 unit	103	0.200
250	Form B1-B3		C	<b>8UC73 23-3BB30</b>		1	1 unit	103	0.200
400	Form B1-B3		C	<b>8UC73 23-3BB30</b>		1	1 unit	103	0.200

Fuse monitoring through 5TT3 170 safety monitor with a floating 1 NO signaling contact, see [Catalog ET B1](#).

<sup>1)</sup> Silver-plated fuse blades. Silver-plated isolating links can be used if desired.

<sup>2)</sup> For the assignment of semiconductor fuses see "3KL Switch Disconnectors with Fuses up to 800 A" -> "Accessories".

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



# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3KM Switch Disconnectors with Fuses and Isolating Plug Connectors up to 400 A

Accessories

## Selection and ordering data

Version	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
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## 3KM50



3KX3 5.7-3AA

**Terminal covers**

(1 set = 6 units) for 3-pole devices

▶ **3KX3 552-3DA01** 1 1 unit 103 0.077**Fuse covers**

(interlock only detachable in the OFF position)

▶ **3KX3 517-3AA** 1 1 unit 103 0.041**Fuse partitions**

(1 set = 5 units)

▶ **3KX3 507-0AA01** 1 1 unit 103 0.044**Lyre-shaped fuse covers**

(1 set = 6 units)

B **3KX3 507-0BA01** 1 1 unit 103 0.033

3KX3 507-0BA01

**Door-coupling rotary operating mechanisms IP65**

Black handle, shaft 300 mm

EMERGENCY-STOP (yellow/red), shaft 300 mm

C **8UC71 11-1BB10** 1 1 unit 103 0.200C **8UC71 21-3BB10** 1 1 unit 103 0.200**Operating mechanisms for fixed mounting**

Black handle, shaft 250 mm

▶ **3KX3 516-1AA** 1 1 unit 103 0.088**Extension shafts, 300 mm long**B **8UC60 31** 1 1 unit 103 0.068**Extension shafts, 600 mm long**B **8UC60 81** 1 1 unit 103 0.136**Shaft connecting pieces**B **8UC60 21** 1 1 unit 103 0.031**Auxiliary switches**1 NO + 1 NC<sup>1)</sup>C **3SB14 00-0A** 1 1 unit 102 0.020

3SB14 00-0A

**Fuse monitor connections**

(1 set = 6 units)

B **3KX3 505-0AA** 1 1 unit 103 0.014

## 3KM52/3KM53

**Terminal covers**

(1 set = 6 units) for 3-pole devices

3KM52 ▶ **3KX3 552-3DA01** 1 1 unit 103 0.077

(1 set = 8 units) for 4-pole devices

3KM53 ▶ **3KX3 553-3DA01** 1 1 unit 103 0.147

(1 set = 8 units) for 4-pole devices

3KM52 B **3KX3 552-3DB01** 1 1 unit 103 0.102

(1 set = 8 units) for 4-pole devices

3KM53 B **3KX3 553-3DB01** 1 1 unit 103 0.170

3KX3 5.7-3AA

**Fuse covers<sup>2)</sup>**

(interlock only detachable in the OFF position)

▶ **3KX3 527-3AA** 1 1 unit 103 0.071**Fuse partitions**

(1 set = 5 units)

▶ **3KX3 507-0AA01** 1 1 unit 103 0.044**Lyre-shaped fuse covers**

(1 set = 6 units)

B **3KX3 507-0BA01** 1 1 unit 103 0.033

3KX3 507-0BA01

**Door-coupling rotary operating mechanisms IP65**

Black handle, shaft 300 mm

EMERGENCY-STOP (yellow/red), shaft 300 mm

C **8UC72 12-1BB20** 1 1 unit 103 0.200C **8UC72 22-3BB20** 1 1 unit 103 0.200**Operating mechanisms for fixed mounting**

Black handle, shaft 250 mm

▶ **3KX3 536-1AA** 1 1 unit 103 0.155






<sup>1)</sup> For more 3SB14 00-0. contact blocks with other contact types, see our Mall.

<sup>2)</sup> For 3KX3 527-3AA: Not suitable for use with type A BS fuses.

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3KM Switch Disconnectors with Fuses and Isolating Plug Connectors up to 400 A

### Accessories

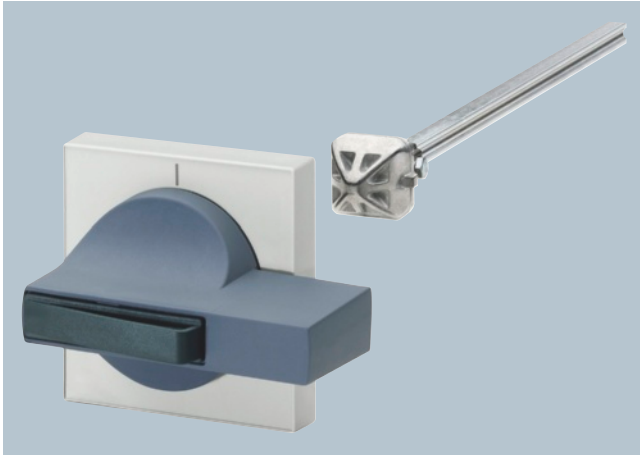
Version	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
<b>Extension shafts, 300 mm long</b>	B	<b>8UC60 32</b>		1	1 unit	103	0.132
<b>Extension shafts, 600 mm long</b>	B	<b>8UC60 82</b>		1	1 unit	103	0.265
<b>Shaft connecting pieces</b>	B	<b>8UC60 22</b>		1	1 unit	103	0.023
<b>Auxiliary switches</b> 1 NO + 1 NC <sup>1)</sup>	C	<b>3SB14 00-0A</b>		1	1 unit	102	0.020
							
3SB14 00-0A							
<b>20 ms leading</b> 1 NO + 1 NC	B	<b>3KX3 552-3EA01</b>		1	1 unit	103	0.019
<b>Fuse monitor connections</b> (1 set = 6 units)	B	<b>3KX3 505-0AA</b>		1	1 unit	103	0.014
<b>3KM55/3KM57</b>							
<b>Terminal covers</b> (1 set = 6 units) for 3-pole devices (1 set = 8 units) for 4-pole devices	▶ B	<b>3KX3 557-3DA01</b> <b>3KX3 557-3DB01</b>		1 1	1 unit 1 unit	103 103	0.277 0.362
<b>Fuse covers</b> (interlock only detachable in the OFF position)	▶	<b>3KX3 557-3AA</b>		1	1 unit	103	0.212
							
3KX3 5.7-3AA							
<b>Fuse partitions</b> (1 set = 5 units)	▶	<b>3KX3 557-0AA01</b>		1	1 unit	103	0.162
							
3KX3 557-0AA01							
<b>Door-coupling rotary operating mechanisms IP65</b> Black handle, shaft 300 mm EMERGENCY-STOP (yellow/red), shaft 300 mm	C C	<b>8UC73 13-1BB30</b> <b>8UC73 23-3BB30</b>		1 1	1 unit 1 unit	103 103	0.200 0.200
<b>Operating mechanisms for fixed mounting, size 3</b> Black handle, shaft 250 mm	▶	<b>3KX3 176-1E</b>		1	1 unit	103	0.285
							
3KX3 176-1E							
<b>Extension shafts, 300 mm long</b>	C	<b>8UC60 33</b>		1	1 unit	103	0.217
<b>Extension shafts, 600 mm long</b>	B	<b>8UC60 83</b>		1	1 unit	103	0.430
<b>Shaft connecting pieces</b>	B	<b>8UC60 23</b>		1	1 unit	103	0.085
<b>Auxiliary switches</b> 1 NO + 1 NC <sup>1)</sup>	C	<b>3SB14 00-0A</b>		1	1 unit	102	0.020
							
3SB14 00-0A							
<b>20 ms leading</b> 1 NO + 1 NC	B	<b>3KX3 552-3EA01</b>		1	1 unit	103	0.019
<b>Fuse monitor connections</b> (1 set = 6 units)	B	<b>3KX3 505-0AA</b>		1	1 unit	103	0.014

<sup>1)</sup> For more 3SB 14 00-0. contact blocks with other contact types, see our [Mail](#).

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses 8UC Door-Coupling Rotary Operating Mechanisms

For 3K switch disconnectors

## Overview



4 standard sizes of operating mechanisms are available:

Size	Rated torque <sup>1)</sup> Nm	Shaft profile mm x mm	Masking plate mm x mm
1	4	6 x 6	75 x 75
2	9	8 x 8	75 x 75
3	25	10 x 10 or 12 x 12	100 x 100
4	40/55 <sup>2)</sup>	12 x 12	100 x 100

<sup>1)</sup> Operating mechanisms tested with triple torque (according to EN 60947-3). They are therefore qualified for use in all controls, especially for disconnectors.

<sup>2)</sup> Operation with two hands.

## Application

8UC7 door-coupling rotary operating mechanisms can be used in electrical controls, distribution and switchboards in cases where switches have to be mounted behind covers, end plates and doors that must be opened and where they are to be operated manually from outside.

### Operating conditions and ambient conditions

The temperature range for operation of the rotary operating mechanisms is between -25 °C and +60 °C.

Thanks to the use of glass fiber-reinforced molded plastic for handles and masking plates as well as metal components with surface protection, the rotary operating mechanisms are suitable for rough conditions, high air humidity and aggressive atmospheres.

### Degree of protection

Degree of protection when installed is IP65.

### Protective measures

All rotary operating mechanisms are fully insulated.

### Standards

8UC7 door-coupling rotary operating mechanisms are in line with the following standards:

IEC 60204-1, EN 60204-1 (VDE 0113 Part 1)	Electrical equipment of machines
IEC 60439-1, EN 60439-1 (VDE 0660 Part 500)	Low-voltage switchgear and controlgear assemblies
IEC 60947-3, EN 60947-3 (VDE 0660 Part 107)	Low-voltage switchgear and controlgear; switches, disconnectors, switch disconnectors and fuse-combination units

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 8UC Door-Coupling Rotary Operating Mechanisms

For 3K switch disconnectors

### Selection and ordering data

#### Door-coupling rotary operating mechanisms, complete (ti-gray handle, light-gray masking plate with black inscription)

Can be padlocked, with door interlocking

Supplied with seal and fixing screws

Switching device    Rated current    Cross-section of the actuating shaft    Torque    Rotary oper. mechanisms    Illustrated: Handle, masking plate

Type    A    mm    Nm    Size

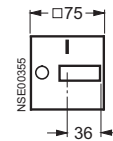
Switch disconnectors with or without fuses

3KL50<sup>1)</sup> 3KM50<sup>1)</sup> 63  
3KA50<sup>1)</sup> 63  
3KA51<sup>1)</sup> 80

6 x 6  
6 x 6  
6 x 6

3  
3  
3

1

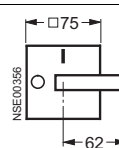


3KL52, 3KM52 125  
3KL53, 3KM53 160  
3KA52 125  
3KA53 160

8 x 8  
8 x 8  
8 x 8  
8 x 8

7.5  
7.5  
7.5  
7.5

2

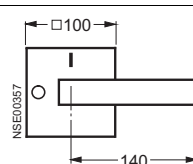


3KL55, 3KM55 250  
3KL57, 3KM57 400  
3KA55 250  
3KA57 400  
3KA58 630

10 x 10  
10 x 10  
10 x 10  
10 x 10  
10 x 10

16  
16  
16  
16  
16

3

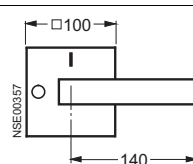


3KE42 250  
3KE43 400  
3KE44 630  
3KE45 1000

12 x 12  
12 x 12  
12 x 12  
12 x 12

15  
15  
24  
24

3

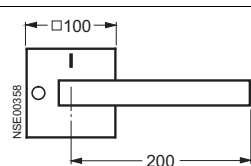


3KL61<sup>2)</sup> 630  
3KL62<sup>2)</sup> 800

12 x 12  
12 x 12

30  
30

4



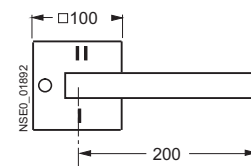
Switch disconnectors as changeover switches with break-before-make feature

3KE42 (2 units) 250  
3KE43 (2 units) 400  
3KE44 (2 units) 630  
3KE45 (2 units) 1000

12 x 12  
12 x 12  
12 x 12  
12 x 12

20  
20  
30  
30

4



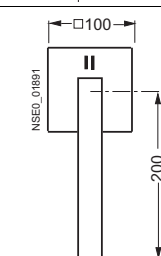
Switch disconnectors as changeover switches without break-before-make feature<sup>3)</sup>

3KE42 (2 units) 250  
3KE43 (2 units) 400  
3KE44 (2 units) 630  
3KE45 (2 units) 1000

12 x 12  
12 x 12  
12 x 12  
12 x 12

40  
40  
55  
55

4



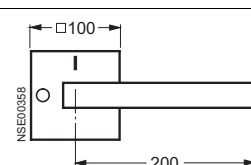
Switch disconnectors with operating linkage (for parallel connection)

3KE42 (2 units) 250  
3KE43 (2 units) 400  
3KE44 (2 units) 630  
3KE45 (2 units) 1000

12 x 12  
12 x 12  
12 x 12  
12 x 12

40  
40  
55  
55

4



<sup>1)</sup> Valid only for 3-pole switching devices. For 4-pole switching devices, an operating mechanism with 8 x 8 mm actuating shaft must be used, see [lower level for 3KA52, 3KL52 or 3KM52](#).

<sup>2)</sup> Additionally required for 3KL61: 1 shaft coupling, Order No. 8UC92 53, see ["Individual Parts"](#).

<sup>3)</sup> The door interlocking plate must be removed.

<sup>4)</sup> With shortened 8UC60 16/8UC60 17 coupling driver and reduced tolerance compensation, see ["Dimensional Drawings"](#).

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 8UC Door-Coupling Rotary Operating Mechanisms

For 3K switch disconnectors

DT	Rotary operating mechanisms, complete Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	Individual parts of the 8UC7 rotary operating mechanism	Order No.
C	<b>8UC71 11-1BB10</b>		1	1 unit	103	0.200	Handle with masking plate Coupling driver for shaft □ 6 mm Extension shaft □ 6 mm, 300 mm long	8UC71 10-1BB 8UC60 11 8UC60 31
C	<b>8UC71 61-1BB10</b>		1	1 unit	103	0.200	Handle with masking plate Coupling driver <sup>4)</sup> for shaft □ 6 mm Extension shaft □ 6 mm, 300 mm long	8UC71 10-1BB 8UC60 16 8UC60 31
C	<b>8UC72 12-1BB20</b>		1	1 unit	103	0.200	Handle with masking plate Coupling driver for shaft □ 8 mm Extension shaft □ 8 mm, 300 mm long	8UC72 10-1BB 8UC60 12 8UC60 32
C	<b>8UC72 62-1BB20</b>		1	1 unit	103	0.200	Handle with masking plate Coupling driver <sup>4)</sup> for shaft □ 8 mm	8UC72 10-1BB 8UC60 17
C	<b>8UC73 13-1BB30</b>		1	1 unit	103	0.200	Handle with masking plate Coupling driver for shaft □ 10 mm Extension shaft □ 10 mm, 300 mm long	8UC73 10-1BB 8UC60 13 8UC60 33
C	<b>8UC73 14-1BB44</b>		1	1 unit	103	0.200	Handle with masking plate Coupling driver for shaft □ 12 mm Extension shaft □ 12 mm, 300 mm long Shaft coupling □ 12 mm to □ 12 mm	8UC73 10-1BB 8UC60 14 8UC60 34 8UC60 24
C	<b>8UC74 14-1BB44</b>		1	1 unit	103	0.200	Handle with masking plate Coupling driver for shaft □ 12 mm Extension shaft □ 12 mm, 300 mm long Shaft coupling □ 12 mm to □ 12 mm	8UC74 10-1BB 8UC60 14 8UC60 34 8UC60 24
C	<b>8UC74 14-1BF44</b>		1	1 unit	103	0.200	Handle with masking plate Coupling driver for shaft □ 12 mm Extension shaft □ 12 mm, 300 mm long Shaft coupling □ 12 mm to □ 12 mm	8UC74 10-1BF 8UC60 14 8UC60 34 8UC60 24
C	<b>8UC74 14-1FG44</b>		1	1 unit	103	0.200	Handle with masking plate Coupling driver for shaft □ 12 mm Extension shaft □ 12 mm, 300 mm long Shaft coupling □ 12 mm to □ 12 mm	8UC74 10-1FG 8UC60 14 8UC60 34 8UC60 24
C	<b>8UC74 14-1BB44</b>		1	1 unit	103	0.200	Handle with masking plate Coupling driver for shaft □ 12 mm Extension shaft □ 12 mm, 300 mm long Shaft coupling □ 12 mm to □ 12 mm	8UC74 10-1BB 8UC60 14 8UC60 34 8UC60 24

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

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 8UC Door-Coupling Rotary Operating Mechanisms

For 3K switch disconnectors

**EMERGENCY-STOP door-coupling rotary operating mechanisms, complete (red handle, yellow masking plate with black inscription)**

Can be padlocked, with door interlocking

Supplied with seal and fixing screws

Switching device	Rated current	Cross-section of the actuating shaft	Torque	Rotary operating mechanisms	Illustrated: Handle, masking plate
------------------	---------------	--------------------------------------	--------	-----------------------------	------------------------------------

Type	A	mm	Nm	Size
------	---	----	----	------

Switch disconnectors with or without fuses

3KL50 <sup>1)</sup>	3KM50 <sup>1)</sup>	63	6 x 6	3	1	
3KA50 <sup>1)</sup>		63	6 x 6	3		
3KA51 <sup>1)</sup>		80	6 x 6	3		

3KL52, 3KM52	125	8 x 8	7.5	2	
3KL53, 3KM53	160	8 x 8	7.5		
3KA52	125	8 x 8	7.5		
3KA53	160	8 x 8	7.5		

3KL55, 3KM55	250	10 x 10	16	3	
3KL57, 3KM57	400	10 x 10	16		
3KA55	250	10 x 10	16		
3KA57	400	10 x 10	16		
3KA58	630	10 x 10	16		

3KE42	250	12 x 12	15	3	
3KE43	400	12 x 12	15		
3KE44	630	12 x 12	24		
3KE45	1000	12 x 12	24		

3KL61 <sup>2)</sup>	630	12 x 12	30	4	
3KL62 <sup>2)</sup>	800	12 x 12	30		

Switch disconnectors with operating linkage (for parallel connection)

3KE42 (2 units)	250	12 x 12	40	4	
3KE43 (2 units)	400	12 x 12	40		
3KE44 (2 units)	630	12 x 12	55		
3KE45 (2 units)	1000	12 x 12	55		

<sup>1)</sup> Valid only for 3-pole switching devices. For 4-pole switching devices, an operating mechanism with 8 x 8 mm actuating shaft must be used, see [lower level for 3KA52, 3KL52 or 3KM52](#).

<sup>2)</sup> Additionally required for 3KL61: 1 shaft coupling, Order No. 8UC92 53, see ["Individual Parts"](#).

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 8UC Door-Coupling Rotary Operating Mechanisms

For 3K switch disconnectors

DT	Rotary operating mechanisms, complete	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	Individual parts of the 8UC6 rotary operating mechanism	Order No.
	Order No.	Price per PU					
C	<b>8UC71 21-3BB10</b>		1	1 unit	103	0.200 Handle with masking plate Coupling driver for shaft □ 6 mm Extension shaft □ 6 mm, 300 mm long	8UC71 20-3BB 8UC60 11 8UC60 31
C	<b>8UC72 22-3BB20</b>		1	1 unit	103	0.200 Handle with masking plate Coupling driver for shaft □ 8 mm Extension shaft □ 8 mm, 300 mm long	8UC72 20-3BB 8UC60 12 8UC60 32
C	<b>8UC73 23-3BB30</b>		1	1 unit	103	0.200 Handle with masking plate Coupling driver for shaft □ 10 mm Extension shaft □ 10 mm, 300 mm long	8UC73 20-3BB 8UC60 13 8UC60 33
C	<b>8UC73 24-3BB44</b>		1	1 unit	103	0.200 Handle with masking plate Coupling driver for shaft □ 12 mm Extension shaft □ 12 mm, 300 mm long Shaft coupling □ 12 mm to □ 12 mm	8UC73 20-3BB 8UC60 14 8UC60 34 8UC60 24
C	<b>8UC74 24-3BB44</b>		1	1 unit	103	0.200 Handle with masking plate Coupling driver for shaft □ 12 mm Extension shaft □ 12 mm, 300 mm long Shaft coupling □ 12 mm to □ 12 mm	8UC74 20-3BB 8UC60 14 8UC60 34 8UC60 24





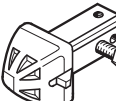

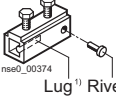
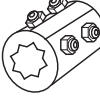
\* You can order this quantity or a multiple thereof.

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 8UC Door-Coupling Rotary Operating Mechanisms

### Individual parts

#### Selection and ordering data

For operating mechanism	Cross-section of the actuating shaft	A: Ti-grey handle, light-gray masking plate B: Red handle, yellow masking plate	DT	Individual parts for 8UC7 door-coupling rotary operating mechanisms	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.	
Type	mm × mm			Order No.	Price per PU			kg	
<b>Handles with masking plate (including flat gasket and fixing screws)</b>									
 8UC71 10-1BB	6 × 6	A	C	<b>8UC71 10-1BB</b> <b>8UC71 20-3BB</b>		1	1 unit	103	
		B	C						0.200
 8UC72 10-6BD	8 × 8	A	C	<b>8UC72 10-1BB</b> <b>8UC72 20-3BB</b>		1	1 unit	103	
		B	C						0.200
 8UC73 10-1BB	10 × 10	A	C	<b>8UC73 10-1BB</b> <b>8UC73 20-3BB</b>		1	1 unit	103	
		B	C						0.200
 8UC74 10-1BB	12 × 12	A	C	<b>8UC74 10-1BB</b> <b>8UC74 10-1BF</b> <b>8UC74 10-1FG</b> <b>8UC74 20-3BB</b>		1	1 unit	103	
		A	C						0.200
		A	C						0.200
		B	C						0.200
For operating mechanism	Cross-section of the actuating shaft		DT	Individual parts for 8UC6 door-coupling rotary operating mechanisms	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.	
Type	mm × mm			Order No.	Price per PU			kg	
<b>Coupling drivers for 3K</b>									
 8UC60 11	6 × 6		B	<b>8UC60 11</b> <b>8UC60 16</b> <b>8UC60 12</b> <b>8UC60 17</b> <b>8UC60 13</b> <b>8UC60 14</b>		1	1 unit	103	
		8UC71	A						0.070
		8UC71 <sup>2)</sup>	B						0.075
		8UC72	A						0.043
		8UC72 <sup>2)</sup>	B						0.251
		8UC73	B						0.253
8UC73/74	B								
<b>Extension shafts 300 mm long</b>									
 8UC60 31	6 × 6		B	<b>8UC60 31</b> <b>8UC60 32</b> <b>8UC60 33</b> <b>8UC60 34</b>		1	1 unit	103	
		8UC71	B						0.068
		8UC72	C						0.217
		8UC73	B						0.315
		8UC73/74	B						
<b>Extension shafts 600 mm long</b>									
 8UC60 21 to 8UC60 24	6 × 6		B	<b>8UC60 81</b> <b>8UC60 82</b> <b>8UC60 83</b> <b>8UC60 84</b>		1	1 unit	103	
		8UC71	B						0.136
		8UC72	B						0.265
		8UC73	B						0.430
		8UC73/74	B						0.640
<b>Shaft couplings</b>									
 8UC92 53	6 × 6		B	<b>8UC60 21</b> <b>8UC60 22</b> <b>8UC60 23</b> <b>8UC60 24</b> <b>8UC92 53</b>		1	1 unit	103	
		8UC71	B						0.023
		8UC72	B						0.085
		8UC73	B						0.077
		8UC73/74	B						0.115
		8UC74 (3KL61)	▶						
<b>Reducers</b>									
8UC71	8 × 8 to 6 × 6		C	<b>8UC70 58</b> <b>8UC70 50</b>		1	1 unit	103	
		8UC72	C						0.200

<sup>1)</sup> Non-interchangeability features.

<sup>2)</sup> Shortened coupling driver with reduced tolerance compensation.








# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 8UC Door-Coupling Rotary Operating Mechanisms

Operating mechanisms for fixed mounting

### Selection and ordering data

	Switching device	Cross-section of the actuating shaft	Torque of the operating mechanism <sup>1)</sup>	Operating mechanisms	Color of handle	DT	Operating mechanisms for fixed mounting		PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
							Order No.	Price per PU				
	Type	mm × mm	Nm	Size								kg
 8UC93 54	3KA50, 3KA51, 3KL50, 3KM50	6 × 6	4	1	Black	<sup>2)</sup> B	<b>8UC93 54</b>		1	1 unit	103	0.031
 8UC93 60			7.5	2	Black	<sup>2)</sup> B	<b>8UC93 60</b>		1	1 unit	103	0.047
	3KA52, 3KA53, 3KL52, 3KM52, 3KL53, 3KM53	8 × 8	7.5	2	Black	B	<b>8UC93 62</b>		1	1 unit	103	0.041
					Red	B	<b>8UC93 63</b>		1	1 unit	103	0.044
 8UC93 65	3KL55, 3KM55, 3KL57, 3KM57	10 × 10	16	3	Black	B	<b>8UC93 65</b>		1	1 unit	103	0.138
	3KA55, 3KA57, 3KA58				Red	B	<b>8UC93 66</b>		1	1 unit	103	0.160
	3KE42, 3KE43	12 × 12	16	3	Black	<sup>3)</sup> B	<b>8UC93 70</b>		1	1 unit	103	0.128
					Red	<sup>3)</sup> B	<b>8UC93 71</b>		1	1 unit	103	0.146
 8UC93 74	3KE44, 3KE45	12 × 12	30	4	Black	<sup>3)</sup> B	<b>8UC93 74</b>		1	1 unit	103	0.145
					Red	<sup>3)</sup> B	<b>8UC93 75</b>		1	1 unit	103	0.165
 8UC93 81	3KL61	12 × 12	55	5	Black	B	<b>8UC93 81</b>		1	1 unit	103	0.264
					Red	B	<b>8UC93 82</b>		1	1 unit	103	0.273

<sup>1)</sup> Operating mechanisms were tested with triple torque EN 60947-3. They are therefore qualified for use in all controls, especially for disconnectors.

<sup>2)</sup> Red handle available on request.

<sup>3)</sup> Also required: 3KX2 210-0H coupling socket.

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3NJ6 In-Line Switch Disconnectors with Fuses up to 630 A

### 3NJ62 switch disconnectors with fuses Introduction

#### Overview

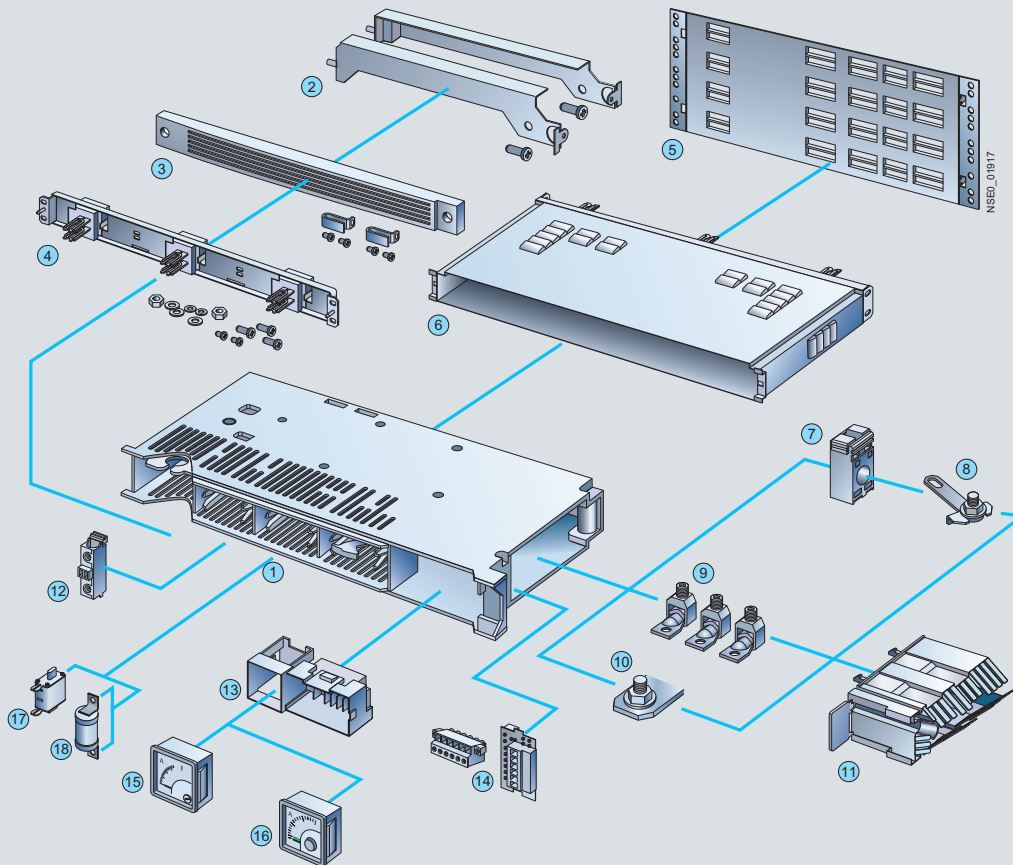


3NJ62 switch disconnector with fuses

#### All key product features at a glance

- Type-tested according to IEC 60947-3, EN 60947-3
- Voltage levels up to 690 V AC
- 160 A to 630 A for LV HRC fuse links, according to IEC 60269-1/EN 60269-1
- 3-pole versions available
- 185 mm phase center distance of plug-in contacts
- Developed for switchgear assemblies in plug-in design
- Horizontal or vertical mounting position
- Front panel locked in ON position
- Degree of protection IP41

#### Overview of components and accessory parts



- |   |                                    |
|---|------------------------------------|
| ① 3NJ62 switch disconnector basic device<br>her in size 00, open, without front panel | ⑩ Stud terminal                    |
| ② Guide rails   | ⑪ Terminal cover                   |
| ③ Blanking cover  | ⑫ Auxiliary switch                 |
| ④ Connection module   | ⑬ Holder for measuring instruments |
| ⑤ Busbar cover  | ⑭ Multi-function plug              |
| ⑥ Contact extension   | ⑮ Moving-iron measuring instrument |
| ⑦ Current transformer   | ⑯ Bi-metal measuring instrument    |
| ⑧ Current transformer busbar  | ⑰ LV HRC fuse links                |
| ⑨ Terminals   | ⑱ BS fuse links                    |

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3NJ6 In-Line Switch Disconnectors with Fuses up to 630 A

3NJ62 switch disconnectors with fuses  
Introduction

### Benefits

**Key advantages for switchgear manufacturers due to the following:**

- Compact, modular design
- Simple and efficient mounting due to incoming plug-in contact
- High packing density in the distribution board
- Cable connection with cable clamps or cable lugs
- Can be mounted in different switchgear cabinet depths
- Comprehensive range of accessories

**The advantages for users are:**

- Conversion, retrofitting and replacement without switching off the switchgear
- Dead-state fuse replacement
- Maintenance free
- High personal safety
- Operating handle can be locked in OFF position
- Clear and unambiguous switch position indicator

### Application

The plug-in 3NJ6 switch disconnectors with fuses are installed in low-voltage distribution boards where a minimum amount of space is available for a maximum number of cable ducts to the power distribution. They can be easily fitted in all common switchgear cabinets (minimum depth: 400 mm).

The plug-in 3NJ62 switch disconnectors with fuses are available for rated uninterrupted currents from 160 A to 630 A.

LV HRC fuse links according to IEC 60269-1/EN 60269-1 (sizes LV HRC 00 to LV HRC 3) provide overload and short-circuit protection up to 690 V AC.


The switch disconnectors can be retrofitted at any time with auxiliary switches, an ammeter (48 mm x 48 mm) and current transformers, with no extra space required. For installation in control cabinets of > 400 mm depth, the mounting depth of the switch disconnectors can be increased by 200 mm using a contact extension. Further installation accessories, such as guide rails and blanking covers, complete the product range.

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3NJ6 In-Line Switch Disconnectors with Fuses up to 630 A

3NJ62 switch disconnectors with fuses  
for LV HRC fuse links

### Selection and ordering data

Rated current $I_n$ A	Size	DT	Order No.	Price per PU	PU (UNIT, M)	PS*	PG	Weight per PU approx. kg
<b>3-pole, standard switching capacity S</b>								
<i>Manually operated</i>								
160	00/000	▶	<b>3NJ62 03-1AA0□-□□□□</b>		1	1 unit	143	3.630
250	1	▶	<b>3NJ62 13-1AA0□-□□□□</b>		1	1 unit	143	6.750
400	2/1	▶	<b>3NJ62 23-1AA0□-□□□□</b>		1	1 unit	143	15.000
630	3/2	▶	<b>3NJ62 33-1AA0□-□□□□</b>					15.360
<b>3-pole, high switching capacity H</b>								
<i>Manually operated</i>								
160	00/000	▶	<b>3NJ62 03-3AA0□-□□□□</b>		1	1 unit	143	3.630
250	1	▶	<b>3NJ62 13-3AA0□-□□□□</b>		1	1 unit	143	7.750
400	2/1	▶	<b>3NJ62 23-3AA0□-□□□□</b>		1	1 unit	143	15.000
630	3/2	▶	<b>3NJ62 33-3AA0□-□□□□</b>		1	1 unit	143	15.360
				Order No. supplement	Add. price			
Standard Order No. supplement (more Order No. supplements on page 17/57 onwards)				 <b>0 0AA0</b>		Without		
Without auxiliary switches, ammeters, current transformers				▶				

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3NJ6 In-Line Switch Disconnectors with Fuses up to 630 A

**3NJ62 switch disconnectors with fuses for LV HRC fuse links**

### Options

*1st Order No. supplement: auxiliary switch wired to multi-function plug*

		DT	Order No. supplement 3NJ62 ..-... □-....	Add. price
			↑	
	Without	▶	<b>0</b>	Without
	1 NO	B	<b>1</b>	
	1 NC	B	<b>2</b>	
	1 NO + 1 NC	B	<b>3</b>	

*2nd Order No. supplement: ammeter and current transformer wired*

	Ammeters			Current transformers			DT	Order No. supplement 3NJ62 ..-... □□□□	Add. price	
	Primary current	Secondary current	Accuracy class	Primary current	Secondary current	Accuracy class				
<b>For size LV HRC 00</b>										
	Without	Without	Without	Without	Without	Without	▶	<b>0AA0</b>	Without	
<b>1 current transformer to 1 ammeter</b>										
	Moving iron	50	1	1	1	B		<b>1DB1</b>		
	Moving iron	50	5	1	1	B		<b>1DB4</b>		
	Moving iron	100	1	1	1	B		<b>1DD1</b>		
	Moving iron	100	5	1	1	B		<b>1DD4</b>		
	Moving iron	150	1	1	1	B		<b>1DE1</b>		
	Moving iron	150	5	1	1	B		<b>1DE4</b>		
	Bi-metal	50	1	1	1	B		<b>2DB1</b>		
	Bi-metal	50	5	1	1	B		<b>2DB4</b>		
	Bi-metal	100	1	1	1	B		<b>2DD1</b>		
	Bi-metal	100	5	1	1	B		<b>2DD4</b>		
	Bi-metal	150	1	1	1	B		<b>2DE1</b>		
	Bi-metal	150	5	1	1	B		<b>2DE4</b>		
<b>1 current transformer to multi-function plug</b>										
	Without	50	1	1	1	B		<b>0BB1</b>		
	Without	50	5	1	1	B		<b>0BB4</b>		
	Without	100	1	1	1	B		<b>0BD1</b>		
	Without	100	1	0.5	1	B		<b>0BD2</b>		
	Without	100	5	1	1	B		<b>0BD4</b>		
	Without	100	5	0.5	1	B		<b>0BD5</b>		
	Without	150	1	1	1	B		<b>0BE1</b>		
	Without	150	1	0.5	1	B		<b>0BE2</b>		
	Without	150	5	1	1	B		<b>0BE4</b>		
	Without	150	5	0.5	1	B		<b>0BE5</b>		
	<b>3 current transformers to multi-function plug</b>									
		Without	50	1	1	1	B		<b>0CB1</b>	
Without		50	5	1	1	B		<b>0CB4</b>		
Without		100	1	1	1	B		<b>0CD1</b>		
Without		100	1	0.5	1	B		<b>0CD2</b>		
Without		100	5	1	1	B		<b>0CD4</b>		
Without		100	5	0.5	1	B		<b>0CD5</b>		
Without		150	1	1	1	B		<b>0CE1</b>		
Without		150	1	0.5	1	B		<b>0CE2</b>		
Without		150	5	1	1	B		<b>0CE4</b>		
Without		150	5	0.5	1	B		<b>0CE5</b>		

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# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3NJ6 In-Line Switch Disconnectors with Fuses up to 630 A

3NJ62 switch disconnectors with fuses  
for LV HRC fuse links

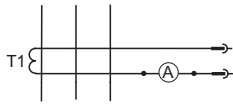
	Ammeters	Current transformers		Accuracy class	DT	Order No. supplement 3NJ62 ..-...-□□□□ ↑↑↑↑	Add. price	
		Primary current A	Secondary current A					
<b>For size LV HRC 1</b>								
	Without	Without	Without	Without	▶	<b>0AA0</b>	Without	
	<b>1 current transformer to 1 ammeter</b>							
	Moving iron	50	1	1	B	<b>1DB1</b>		
	Moving iron	50	5	1	B	<b>1DB4</b>		
	Moving iron	100	1	1	B	<b>1DD1</b>		
	Moving iron	100	5	1	B	<b>1DD4</b>		
	Moving iron	150	1	1	B	<b>1DE1</b>		
	Moving iron	150	5	1	B	<b>1DE4</b>		
	Moving iron	200	1	1	B	<b>1DF1</b>		
	Moving iron	200	5	1	B	<b>1DF4</b>		
	Moving iron	250	1	1	B	<b>1DG1</b>		
	Moving iron	250	5	1	B	<b>1DG4</b>		
	<b>1 current transformer to multi-function plug</b>							
	Without	50	1	1	B	<b>0BB1</b>		
	Without	50	5	1	B	<b>0BB4</b>		
	Without	100	1	1	B	<b>0BD1</b>		
	Without	100	1	0.5	B	<b>0BD2</b>		
	Without	100	5	1	B	<b>0BD4</b>		
	Without	100	5	0.5	B	<b>0BD5</b>		
	Without	150	1	1	B	<b>0BE1</b>		
	Without	150	1	0.5	B	<b>0BE2</b>		
	Without	150	5	1	B	<b>0BE4</b>		
	Without	150	5	0.5	B	<b>0BE5</b>		
	Without	200	1	1	B	<b>0BF1</b>		
	Without	200	1	0.5	B	<b>0BF2</b>		
	Without	200	5	1	B	<b>0BF4</b>		
	Without	200	5	0.5	B	<b>0BF5</b>		
	Without	250	1	1	B	<b>0BG1</b>		
	Without	250	1	0.5	B	<b>0BG2</b>		
	Without	250	5	1	B	<b>0BG4</b>		
	Without	250	5	0.5	B	<b>0BG5</b>		
		<b>3 current transformers to multi-function plug</b>						
		Without	50	1	1	B	<b>0CB1</b>	
Without		50	5	1	B	<b>0CB4</b>		
Without		100	1	1	B	<b>0CD1</b>		
Without		100	1	0.5	B	<b>0CD2</b>		
Without		100	5	1	B	<b>0CD4</b>		
Without		100	5	0.5	B	<b>0CD5</b>		
Without		150	1	1	B	<b>0CE1</b>		
Without		150	1	0.5	B	<b>0CE2</b>		
Without		150	5	1	B	<b>0CE4</b>		
Without		150	5	0.5	B	<b>0CE5</b>		
Without		200	1	1	B	<b>0CF1</b>		
Without		200	1	0.5	B	<b>0CF2</b>		
Without		200	5	1	B	<b>0CF4</b>		
Without		200	5	0.5	B	<b>0CF5</b>		
Without		250	1	1	B	<b>0CG1</b>		
Without		250	1	0.5	B	<b>0CG2</b>		
Without		250	5	1	B	<b>0CG4</b>		
Without		250	5	0.5	B	<b>0CG5</b>		

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3NJ6 In-Line Switch Disconnectors with Fuses up to 630 A

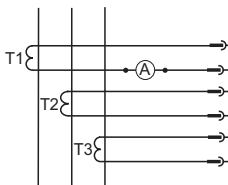
3NJ62 switch disconnectors with fuses  
for LV HRC fuse links

Ammeters	Current transformers			DT	Order No. supplement 3NJ62 ...-...-□□□□ ↑↑↑↑	Add. price
	Primary current A	Secondary current A	Accuracy class			



### 1 current transformer to 1 ammeter and multi-function plug

Moving iron	50	1	1	B	1EB1
Moving iron	50	5	1	B	1EB4
Moving iron	100	1	1	B	1ED1
Moving iron	100	1	0.5	B	1ED2
Moving iron	100	5	1	B	1ED4
Moving iron	100	5	0.5	B	1ED5
Moving iron	150	1	1	B	1EE1
Moving iron	150	1	0.5	B	1EE2
Moving iron	150	5	1	B	1EE4
Moving iron	150	5	0.5	B	1EE5
Moving iron	200	1	1	B	1EF1
Moving iron	200	1	0.5	B	1EF2
Moving iron	200	5	1	B	1EF4
Moving iron	200	5	0.5	B	1EF5
Moving iron	250	1	1	B	1EG1
Moving iron	250	1	0.5	B	1EG2
Moving iron	250	5	1	B	1EG4
Moving iron	250	5	0.5	B	1EG5
Bi-metal	50	1	1	B	2EB1
Bi-metal	50	5	1	B	2EB4
Bi-metal	100	1	1	B	2ED1
Bi-metal	100	1	0.5	B	2ED2
Bi-metal	100	5	1	B	2ED4
Bi-metal	100	5	0.5	B	2ED5
Bi-metal	150	1	1	B	2EE1
Bi-metal	150	1	0.5	B	2EE2
Bi-metal	150	5	1	B	2EE4
Bi-metal	150	5	0.5	B	2EE5
Bi-metal	200	1	1	B	2EF1
Bi-metal	200	1	0.5	B	2EF2
Bi-metal	200	5	1	B	2EF4
Bi-metal	200	5	0.5	B	2EF5
Bi-metal	250	1	1	B	2EG1
Bi-metal	250	1	0.5	B	2EG2
Bi-metal	250	5	1	B	2EG4
Bi-metal	250	5	0.5	B	2EG5



### 3 current transformers to 1 ammeter and multi-function plug

Moving iron	50	1	1	B	1FB1
Moving iron	50	5	1	B	1FB4
Moving iron	100	1	1	B	1FD1
Moving iron	100	1	0.5	B	1FD2
Moving iron	100	5	1	B	1FD4
Moving iron	100	5	0.5	B	1FD5
Moving iron	150	1	1	B	1FE1
Moving iron	150	1	0.5	B	1FE2
Moving iron	150	5	1	B	1FE4
Moving iron	150	5	0.5	B	1FE5
Moving iron	200	1	1	B	1FF1
Moving iron	200	1	0.5	B	1FF2
Moving iron	200	5	1	B	1FF4
Moving iron	200	5	0.5	B	1FF5
Moving iron	250	1	1	B	1FG1
Moving iron	250	1	0.5	B	1FG2
Moving iron	250	5	1	B	1FG4
Moving iron	250	5	0.5	B	1FG5
Bi-metal	50	1	1	B	2FB1
Bi-metal	50	5	1	B	2FB4
Bi-metal	100	1	1	B	2FD1
Bi-metal	100	1	0.5	B	2FD2
Bi-metal	100	5	1	B	2FD4
Bi-metal	100	5	0.5	B	2FD5
Bi-metal	150	1	1	B	2FE1
Bi-metal	150	1	0.5	B	2FE2
Bi-metal	150	5	1	B	2FE4
Bi-metal	150	5	0.5	B	2FE5
Bi-metal	200	1	1	B	2FF1
Bi-metal	200	1	0.5	B	2FF2
Bi-metal	200	5	1	B	2FF4
Bi-metal	200	5	0.5	B	2FF5
Bi-metal	250	1	1	B	2FG1
Bi-metal	250	1	0.5	B	2FG2
Bi-metal	250	5	1	B	2FG4
Bi-metal	250	5	0.5	B	2FG5

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3NJ6 In-Line Switch Disconnectors with Fuses up to 630 A

3NJ62 switch disconnectors with fuses  
for LV HRC fuse links

	Ammeters	Current transformers			DT	Order No. supplement 3NJ62 ...-...-□□□□ ↑↑↑↑	Add. price
		Primary current A	Secondary current A	Accuracy class			
<b>For size LV HRC 2</b>							
	Without	Without	Without	Without	▶	<b>0AA0</b>	Without
	<b>1 current transformer to 1 ammeter</b>						
	Moving iron	300	1	1	B	<b>1DH1</b>	
	Moving iron	300	5	1	B	<b>1DH4</b>	
	Moving iron	400	1	1	B	<b>1DJ1</b>	
	Moving iron	400	5	1	B	<b>1DJ4</b>	
	Bi-metal	300	1	1	B	<b>2DH1</b>	
	Bi-metal	300	5	1	B	<b>2DH4</b>	
	Bi-metal	400	1	1	B	<b>2DJ1</b>	
	Bi-metal	400	5	1	B	<b>2DJ4</b>	
	<b>1 current transformer to multi-function plug</b>						
	Without	300	1	1	B	<b>0BH1</b>	
	Without	300	1	0.5	B	<b>0BH2</b>	
	Without	300	5	1	B	<b>0BH4</b>	
	Without	300	5	0.5	B	<b>0BH5</b>	
	Without	400	1	1	B	<b>0BJ1</b>	
	Without	400	1	0.5	B	<b>0BJ2</b>	
	Without	400	5	1	B	<b>0BJ4</b>	
	Without	400	5	0.5	B	<b>0BJ5</b>	
	<b>3 current transformers to multi-function plug</b>						
	Without	300	1	1	B	<b>0CH1</b>	
	Without	300	1	0.5	B	<b>0CH2</b>	
	Without	300	5	1	B	<b>0CH4</b>	
	Without	300	5	0.5	B	<b>0CH5</b>	
	Without	400	1	1	B	<b>0CJ1</b>	
	Without	400	1	0.5	B	<b>0CJ2</b>	
	Without	400	5	1	B	<b>0CJ4</b>	
	Without	400	5	0.5	B	<b>0CJ5</b>	
		<b>1 current transformer to 1 ammeter and multi-function plug</b>					
	Moving iron	300	1	1	B	<b>1EH1</b>	
	Moving iron	300	1	0.5	B	<b>1EH2</b>	
	Moving iron	300	5	1	B	<b>1EH4</b>	
	Moving iron	300	5	0.5	B	<b>1EH5</b>	
	Moving iron	400	1	1	B	<b>1EJ1</b>	
	Moving iron	400	1	0.5	B	<b>1EJ2</b>	
	Moving iron	400	5	1	B	<b>1EJ4</b>	
	Moving iron	400	5	0.5	B	<b>1EJ5</b>	
	Bi-metal	300	1	1	B	<b>2EH1</b>	
	Bi-metal	300	1	0.5	B	<b>2EH2</b>	
	Bi-metal	300	5	1	B	<b>2EH4</b>	
	Bi-metal	300	5	0.5	B	<b>2EH5</b>	
	Bi-metal	400	1	1	B	<b>2EJ1</b>	
	Bi-metal	400	1	0.5	B	<b>2EJ2</b>	
	Bi-metal	400	5	1	B	<b>2EJ4</b>	
Bi-metal	400	5	0.5	B	<b>2EJ5</b>		
	<b>3 current transformers to 1 ammeter and multi-function plug</b>						
	Moving iron	300	1	1	B	<b>1FH1</b>	
	Moving iron	300	1	0.5	B	<b>1FH2</b>	
	Moving iron	300	5	1	B	<b>1FH4</b>	
	Moving iron	300	5	0.5	B	<b>1FH5</b>	
	Moving iron	400	1	1	B	<b>1FJ1</b>	
	Moving iron	400	1	0.5	B	<b>1FJ2</b>	
	Moving iron	400	5	1	B	<b>1FJ4</b>	
	Moving iron	400	5	0.5	B	<b>1FJ5</b>	
	Bi-metal	300	1	1	B	<b>2FH1</b>	
	Bi-metal	300	1	0.5	B	<b>2FH2</b>	
	Bi-metal	300	5	1	B	<b>2FH4</b>	
	Bi-metal	300	5	0.5	B	<b>2FH5</b>	
	Bi-metal	400	1	1	B	<b>2FJ1</b>	
	Bi-metal	400	1	0.5	B	<b>2FJ2</b>	
	Bi-metal	400	5	1	B	<b>2FJ4</b>	
	Bi-metal	400	5	0.5	B	<b>2FJ5</b>	



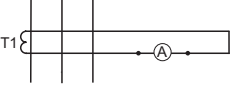
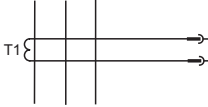
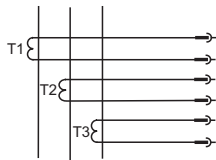
# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3NJ6 In-Line Switch Disconnectors with Fuses up to 630 A

3NJ62 switch disconnectors with fuses  
for LV HRC fuse links

Ammeters	Current transformers			DT	Order No. supplement 3NJ62 ..-.....-□□□□	Add. price
	Primary current A	Secondary current A	Accuracy class			

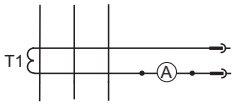
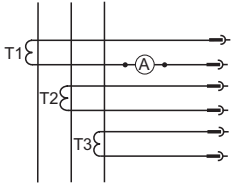
### For size LV HRC 3

	Without	Without	Without	Without	▶	0AA0	Without	
<b>1 current transformer to 1 ammeter</b>								
	Moving iron	300	1	1	B	<b>1DH1</b>		
	Moving iron	300	5	1	B	<b>1DH4</b>		
	Moving iron	400	1	1	B	<b>1DJ1</b>		
	Moving iron	400	5	1	B	<b>1DJ4</b>		
	Moving iron	500	1	1	B	<b>1DK1</b>		
	Moving iron	500	5	1	B	<b>1DK4</b>		
	Moving iron	600	1	1	B	<b>1DL1</b>		
	Moving iron	600	5	1	B	<b>1DL4</b>		
	Bi-metal	300	1	1	B	<b>2DH1</b>		
	Bi-metal	300	5	1	B	<b>2DH4</b>		
	Bi-metal	400	1	1	B	<b>2DJ1</b>		
	Bi-metal	400	5	1	B	<b>2DJ4</b>		
	Bi-metal	500	1	1	B	<b>2DK1</b>		
	Bi-metal	500	5	1	B	<b>2DK4</b>		
Bi-metal	600	1	1	B	<b>2DL1</b>			
Bi-metal	600	5	1	B	<b>2DL4</b>			
<b>1 current transformer to multi-function plug</b>								
	Without	300	1	1	B	<b>0BH1</b>		
	Without	300	1	0.5	B	<b>0BH2</b>		
	Without	300	5	1	B	<b>0BH4</b>		
	Without	300	5	0.5	B	<b>0BH5</b>		
	Without	400	1	1	B	<b>0BJ1</b>		
	Without	400	1	0.5	B	<b>0BJ2</b>		
	Without	400	5	1	B	<b>0BJ4</b>		
	Without	400	5	0.5	B	<b>0BJ5</b>		
	Without	500	1	1	B	<b>0BK1</b>		
	Without	500	1	0.5	B	<b>0BK2</b>		
	Without	500	5	1	B	<b>0BK4</b>		
	Without	500	5	0.5	B	<b>0BK5</b>		
	Without	600	1	1	B	<b>0BL1</b>		
	Without	600	1	0.5	B	<b>0BL2</b>		
	Without	600	5	1	B	<b>0BL4</b>		
	Without	600	5	0.5	B	<b>0BL5</b>		
	<b>3 current transformers to multi-function plug</b>							
		Without	300	1	1	B	<b>0CH1</b>	
Without		300	1	0.5	B	<b>0CH2</b>		
Without		300	5	1	B	<b>0CH4</b>		
Without		300	5	0.5	B	<b>0CH5</b>		
Without		400	1	1	B	<b>0CJ1</b>		
Without		400	1	0.5	B	<b>0CJ2</b>		
Without		400	5	1	B	<b>0CJ4</b>		
Without		400	5	0.5	B	<b>0CJ5</b>		
Without		500	1	1	B	<b>0CK1</b>		
Without		500	1	0.5	B	<b>0CK2</b>		
Without		500	5	1	B	<b>0CK4</b>		
Without		500	5	0.5	B	<b>0CK5</b>		
Without		600	1	1	B	<b>0CL1</b>		
Without		600	1	0.5	B	<b>0CL2</b>		
Without		600	5	1	B	<b>0CL4</b>		
Without		600	5	0.5	B	<b>0CL5</b>		

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3NJ6 In-Line Switch Disconnectors with Fuses up to 630 A

3NJ62 switch disconnectors with fuses  
for LV HRC fuse links

	Ammeters	Current transformers			DT	Order No. supplement 3NJ62 ...-...-□□□□ ↑↑↑↑	Add. price
		Primary current A	Secondary current A	Accuracy class			
	<b>1 current transformer to 1 ammeter and multi-function plug</b>						
	Moving iron	300	5	1	B	1EH4	
	Moving iron	300	5	0.5	B	1EH5	
	Moving iron	400	1	1	B	1EJ1	
	Moving iron	400	1	0.5	B	1EJ2	
	Moving iron	400	5	1	B	1EJ4	
	Moving iron	400	5	0.5	B	1EJ5	
	Moving iron	500	1	1	B	1EK1	
	Moving iron	500	1	0.5	B	1EK2	
	Moving iron	500	5	1	B	1EK4	
	Moving iron	500	5	0.5	B	1EK5	
	Moving iron	600	1	1	B	1EL1	
	Moving iron	600	1	0.5	B	1EL2	
	Moving iron	600	5	1	B	1EL4	
	Moving iron	600	5	0.5	B	1EL5	
	Bi-metal	300	1	1	B	2EH1	
	Bi-metal	300	1	0.5	B	2EH2	
	Bi-metal	300	5	1	B	2EH4	
	Bi-metal	300	5	0.5	B	2EH5	
	Bi-metal	400	1	1	B	2EJ1	
Bi-metal	400	1	0.5	B	2EJ2		
Bi-metal	400	5	1	B	2EJ4		
Bi-metal	400	5	0.5	B	2EJ5		
Bi-metal	500	1	1	B	2EK1		
Bi-metal	500	1	0.5	B	2EK2		
Bi-metal	500	5	1	B	2EK4		
Bi-metal	500	5	0.5	B	2EK5		
Bi-metal	600	1	1	B	2EL1		
Bi-metal	600	1	0.5	B	2EL2		
Bi-metal	600	5	1	B	2EL4		
Bi-metal	600	5	0.5	B	2EL5		
	<b>3 current transformers to 1 ammeter and multi-function plug</b>						
	Moving iron	300	1	1	B	1FH1	
	Moving iron	300	1	0.5	B	1FH2	
	Moving iron	300	5	1	B	1FH4	
	Moving iron	300	5	0.5	B	1FH5	
	Moving iron	400	1	1	B	1FJ1	
	Moving iron	400	1	0.5	B	1FJ2	
	Moving iron	400	5	1	B	1FJ4	
	Moving iron	400	5	0.5	B	1FJ5	
	Moving iron	500	1	1	B	1FK1	
	Moving iron	500	1	0.5	B	1FK2	
	Moving iron	500	5	1	B	1FK4	
	Moving iron	500	5	0.5	B	1FK5	
	Moving iron	600	1	1	B	1FL1	
	Moving iron	600	1	0.5	B	1FL2	
	Moving iron	600	5	1	B	1FL4	
	Moving iron	600	5	0.5	B	1FL5	
	Bi-metal	300	1	1	B	2FH1	
	Bi-metal	300	1	0.5	B	2FH2	
	Bi-metal	300	5	1	B	2FH4	
Bi-metal	300	5	0.5	B	2FH5		
Bi-metal	400	1	1	B	2FJ1		
Bi-metal	400	1	0.5	B	2FJ2		
Bi-metal	400	5	1	B	2FJ4		
Bi-metal	400	5	0.5	B	2FJ5		
Bi-metal	500	1	1	B	2FK1		
Bi-metal	500	1	0.5	B	2FK2		
Bi-metal	500	5	1	B	2FK4		
Bi-metal	500	5	0.5	B	2FK5		
Bi-metal	600	1	1	B	2FL1		
Bi-metal	600	1	0.5	B	2FL2		
Bi-metal	600	5	1	B	2FL4		
Bi-metal	600	5	0.5	B	2FL5		

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3NJ6 In-Line Switch Disconnectors with Fuses up to 630 A

3NJ62 switch disconnectors with fuses  
for LV HRC fuse links

### Accessories

Version	DT	Order No.	Price per PU	PU (UNIT, M)	PS*	PG	Weight per PU approx. kg
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#### Size LV HRC 00



3NJ69 23-1BA00

#### Terminals

Single terminal for 2-/3-pole devices, 2.5 ... 95 mm<sup>2</sup>

A

3NJ69 23-1BA00

1 3 units 143 0.210



3NJ69 23-1DA00

#### Terminal covers

For 2-/3-pole devices

A

3NJ69 23-1DA00

1 1 unit 143 0.063



3NJ69 23-1EB00

#### Contact extensions

3-pole

A

3NJ69 23-1EB00

1 1 unit 143 1.700



3NJ69 20-2BB00

#### Auxiliary switches

1 NO contact with cover

A

3NJ69 20-2BB00

1 1 unit 143 0.080

1 NO contact

A

3NJ69 00-2BC00

1 1 unit 143 0.020

1 NC contact with cover

A

3NJ69 20-2CB00

1 1 unit 143 0.080

1 NC contact

A

3NJ69 00-2CC00

1 1 unit 143 0.020



3NJ69 00-2BC00

#### Current transformers

##### For main devices and contact extensions

Ø = Feed-through opening diameter

50 A/1 A Class 1 1 VA, Ø 21 mm A 3NJ69 20-3BB11

1 1 unit 143 0.160

50 A/5 A Class 1 1 VA, Ø 21 mm A 3NJ69 20-3BB21

1 1 unit 143 0.160

100 A/1 A Class 1 2.5 VA, Ø 21 mm A 3NJ69 20-3BD11

1 1 unit 143 0.160

100 A/1 A Class 0.5 2.5 VA, Ø 21 mm A 3NJ69 20-3BD12

1 1 unit 143 0.160

100 A/1 A Class 0.5 calibrated 1.5 VA, Ø 14 mm D 3NJ69 20-3BD13

1 1 unit 143 0.160

100 A/5 A Class 1 2.5 VA, Ø 21 mm A 3NJ69 20-3BD21

1 1 unit 143 0.160

100 A/5 A Class 0.5 2.5 VA, Ø 21 mm A 3NJ69 20-3BD22

1 1 unit 143 0.160

100 A/5 A Class 0.5 calibrated 1.5 VA, Ø 14mm D 3NJ69 20-3BD23

1 1 unit 143 0.160

150 A/1 A Class 1 2.5 VA, Ø 21 mm A 3NJ69 20-3BE11

1 1 unit 143 0.170

150 A/1 A Class 0.5 2.5 VA, Ø 21 mm A 3NJ69 20-3BE12

1 1 unit 143 0.170

150 A/1 A Class 0.5 calibrated 2.5 VA, Ø 14 mm D 3NJ69 20-3BE13

1 1 unit 143 0.170

150 A/5 A Class 1 2.5 VA, Ø 21 mm A 3NJ69 20-3BE21

1 1 unit 143 0.170

150 A/5 A Class 0.5 2.5 VA, Ø 21 mm A 3NJ69 20-3BE22

1 1 unit 143 0.170

150 A/5 A Class 0.5 calibrated 2.5 VA, Ø 14 mm D 3NJ69 20-3BE23

1 1 unit 143 0.170

#### Current transformer busbars for current transformers with feed-through opening Ø 21 mm

For 1 current transformer

A

3NJ69 20-3DB00

1 1 unit 143 0.070

For 3 current transformers

A

3NJ69 20-3DC00

1 1 unit 143 0.210

For 4 current transformers<sup>1)</sup>

A

3NJ69 20-3DD00

1 1 unit 143 0.280



3NJ69 20-3DB00



3NJ69 20-3DC00

#### Current transformer busbars for current transformers with feed-through opening Ø 14 mm

For 1 current transformer

A

3NJ69 20-3DE00

1 1 unit 143 0.070

For 3 current transformers

A

3NJ69 20-3DF00

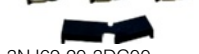
1 1 unit 143 0.210

For 4 current transformers<sup>1)</sup>

A

3NJ69 20-3DG00

1 1 unit 143 0.280



3NJ69 20-3DE00



3NJ69 20-3DF00









3NJ69 20-3DG00

<sup>1)</sup> Not available in combinations with multi-function plug.

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3NJ6 In-Line Switch Disconnectors with Fuses up to 630 A







3NJ62 switch disconnectors with fuses  
for LV HRC fuse links

Version	DT	Order No.	Price per PU	PU (UNIT, M)	PS*	PG	Weight per PU approx. kg
 <b>Holders for ammeters</b> For sizes 00, 1, 2, 3 3NJ69 00-4GA00	A	<b>3NJ69 00-4GA00</b>		1	1 unit	143	0.040
 <b>Moving-iron ammeters for measuring input on transformer x/1A with overload of twice the rated current</b> 50 A/1 A 0.6 VA 100 A/1 A 0.6 VA 150 A/1 A 0.6 VA 3NJ69 00-4H...	A	<b>3NJ69 00-4HB11</b>		1	1 unit	143	0.100
	A	<b>3NJ69 00-4HD11</b>		1	1 unit	143	0.100
	A	<b>3NJ69 00-4HE11</b>		1	1 unit	143	0.100
 <b>Moving-iron ammeters for measuring input on transformer x/5A with overload of twice the rated current</b> 50 A/5 A 0.6 VA 100 A/5 A 0.6 VA 150 A/5 A 0.6 VA 3NJ69 00-4H...	A	<b>3NJ69 00-4HB21</b>		1	1 unit	143	0.100
	A	<b>3NJ69 00-4HD21</b>		1	1 unit	143	0.100
	A	<b>3NJ69 00-4HE21</b>		1	1 unit	143	0.100
 <b>Bi-metal ammeters for measuring input on transformer x/1A with overload of 120% rated current</b> 50 A/1 A 1 VA 100 A/1 A 1 VA 150 A/1 A 1 VA 3NJ69 00-4H...	A	<b>3NJ69 00-4HB12</b>		1	1 unit	143	0.100
	A	<b>3NJ69 00-4HD12</b>		1	1 unit	143	0.100
	A	<b>3NJ69 00-4HE12</b>		1	1 unit	143	0.100
 <b>Bi-metal ammeters for measuring input on transformer x/5A with overload of 120% rated current</b> 50 A/5 A 1 VA 100 A/5 A 1 VA 150 A/5 A 1 VA 3NJ69 00-4H...	A	<b>3NJ69 00-4HB22</b>		1	1 unit	143	0.100
	A	<b>3NJ69 00-4HD22</b>		1	1 unit	143	0.100
	A	<b>3NJ69 00-4HE22</b>		1	1 unit	143	0.100
 <b>Multi-function plugs</b> 6 x 2.5 mm <sup>2</sup> , with fixing screws 8 x 2.5 mm <sup>2</sup> , without fixing screws 10 x 1.5 mm <sup>2</sup> and 8 x 2.5 mm <sup>2</sup> , without fixing screws 3NJ69 20-3EB00	A	<b>3NJ69 20-3EB00</b>		1	1 unit	143	0.047
	A	<b>3NJ69 20-3ED00</b>		1	1 unit	143	0.047
	A	<b>3NJ69 20-3EE00</b>		1	1 unit	143	0.070
 3NJ69 20-3ED00							
 3NJ69 20-3EE00							

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3NJ6 In-Line Switch Disconnectors with Fuses up to 630 A

3NJ62 switch disconnectors with fuses  
for LV HRC fuse links








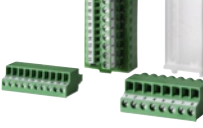
Version	DT	Order No.	Price per PU	PU (UNIT, M)	PS*	PG	Weight per PU approx. kg
<b>Size LV HRC 1</b>							
<b>Terminals</b>							
 3NJ69 33-1BA00		Single terminal for 2-/3-pole devices, 95 ... 240 mm <sup>2</sup>	A	<b>3NJ69 33-1BA00</b>	1	3 units	143 0.230
<b>Terminal covers</b>							
 3NJ69 33-1DA00		For 2-/3-pole devices	A	<b>3NJ69 33-1DA00</b>	1	1 unit	143 0.146
 3NJ69 33-1DB00		Internal terminal covers for 2/3-pole devices	A	<b>3NJ69 33-1DB00</b>	1	1 unit	143 0.020
<b>Contact extensions</b>							
 3NJ69 33-1EB00		3-pole	A	<b>3NJ69 33-1EB00</b>	1	1 unit	143 2.400
<b>Auxiliary switches</b>							
 3NJ69 30-2BB00		1 NO contact with cover	A	<b>3NJ69 30-2BB00</b>	1	1 unit	143 0.050
		1 NO contact	A	<b>3NJ69 00-2BC00</b>	1	1 unit	143 0.020
		1 NC contact with cover	A	<b>3NJ69 30-2CB00</b>	1	1 unit	143 0.050
		1 NC contact	A	<b>3NJ69 00-2CC00</b>	1	1 unit	143 0.020
 3NJ69 00-2BC00							
<b>Current transformers</b>							
<b>For main devices and contact extensions</b>							
Ø = Feed-through opening diameter							
	50 A/1 A	Class 1	1 VA, Ø 21 mm	A	<b>3NJ69 20-3BB11</b>	1	1 unit 143 0.160
	50 A/5 A	Class 1	1 VA, Ø 21 mm	A	<b>3NJ69 20-3BB21</b>	1	1 unit 143 0.160
	100 A/1 A	Class 1	2.5 VA, Ø 21 mm	A	<b>3NJ69 20-3BD11</b>	1	1 unit 143 0.160
	100 A/1 A	Class 0.5	2.5 VA, Ø 21 mm	A	<b>3NJ69 20-3BD12</b>	1	1 unit 143 0.160
	100 A/5 A	Class 1	2.5 VA, Ø 21 mm	A	<b>3NJ69 20-3BD21</b>	1	1 unit 143 0.160
	100 A/5 A	Class 0.5	2.5 VA, Ø 21 mm	A	<b>3NJ69 20-3BD22</b>	1	1 unit 143 0.160
	150 A/1 A	Class 1	2.5 VA, Ø 21 mm	A	<b>3NJ69 20-3BE11</b>	1	1 unit 143 0.170
	150 A/1 A	Class 0.5	2.5 VA, Ø 21 mm	A	<b>3NJ69 20-3BE12</b>	1	1 unit 143 0.170
	150 A/5 A	Class 1	2.5 VA, Ø 21 mm	A	<b>3NJ69 20-3BE21</b>	1	1 unit 143 0.170
	150 A/5 A	Class 0.5	2.5 VA, Ø 21 mm	A	<b>3NJ69 20-3BE22</b>	1	1 unit 143 0.170
	200 A/1 A	Class 1	5 VA, Ø 21 mm	A	<b>3NJ69 30-3BF11</b>	1	1 unit 143 0.180
	200 A/1 A	Class 0.5	5 VA, Ø 21 mm	A	<b>3NJ69 30-3BF12</b>	1	1 unit 143 0.180
	200 A/5 A	Class 1	5 VA, Ø 21 mm	A	<b>3NJ69 30-3BF21</b>	1	1 unit 143 0.180
	200 A/5 A	Class 0.5	5 VA, Ø 21 mm	A	<b>3NJ69 30-3BF22</b>	1	1 unit 143 0.180
	250 A/1 A	Class 1	5 VA, Ø 21 mm	A	<b>3NJ69 30-3BG11</b>	1	1 unit 143 0.180
	250 A/1 A	Class 0.5	5 VA, Ø 21 mm	A	<b>3NJ69 30-3BG12</b>	1	1 unit 143 0.180
	250 A/5 A	Class 1	5 VA, Ø 21 mm	A	<b>3NJ69 30-3BG21</b>	1	1 unit 143 0.180
	250 A/5 A	Class 0.5	5 VA, Ø 21 mm	A	<b>3NJ69 30-3BG22</b>	1	1 unit 143 0.180

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

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3NJ6 In-Line Switch Disconnectors with Fuses up to 630 A

3NJ62 switch disconnectors with fuses  
for LV HRC fuse links

Version	DT	Order No.	Price per PU	PU (UNIT, M)	PS*	PG	Weight per PU approx. kg
<b>Current transformer busbars for current transformers with feed-through opening <math>\varnothing</math> 21 mm</b>							
 3NJ69 30-3DB00	For 1 current transformer	A	<b>3NJ69 30-3DB00</b>		1	1 unit	143 0.210
	For 3 current transformers	A	<b>3NJ69 30-3DC00</b>		1	1 unit	143 0.310
	For 4 current transformers <sup>1)</sup>	A	<b>3NJ69 30-3DD00</b>		1	1 unit	143 0.410
 3NJ69 30-3DC00							
 3NJ69 30-3DD00							
<b>Holders for ammeters</b>							
 3NJ69 00-4GA00	For sizes 00, 1, 2, 3	A	<b>3NJ69 00-4GA00</b>		1	1 unit	143 0.040
<b>Moving-iron ammeters for measuring input on transformer x/1A with overload of twice the rated current</b>							
 3NJ69 00-4H...	50 A/1 A 0.6 VA	A	<b>3NJ69 00-4HB11</b>		1	1 unit	143 0.100
	100 A/1 A 0.6 VA	A	<b>3NJ69 00-4HD11</b>		1	1 unit	143 0.100
	150 A/1 A 0.6 VA	A	<b>3NJ69 00-4HE11</b>		1	1 unit	143 0.100
	200 A/1 A 0.6 VA	A	<b>3NJ69 00-4HF11</b>		1	1 unit	143 0.100
	250 A/1 A 0.6 VA	A	<b>3NJ69 00-4HG11</b>		1	1 unit	143 0.100
<b>Moving-iron ammeters for measuring input on transformer x/5A with overload of twice the rated current</b>							
	50 A/5 A 0.6 VA	A	<b>3NJ69 00-4HB21</b>		1	1 unit	143 0.100
	100 A/5 A 0.6 VA	A	<b>3NJ69 00-4HD21</b>		1	1 unit	143 0.100
	150 A/5 A 0.6 VA	A	<b>3NJ69 00-4HE21</b>		1	1 unit	143 0.100
	200 A/5 A 0.6 VA	A	<b>3NJ69 00-4HF21</b>		1	1 unit	143 0.100
	250 A/5 A 0.6 VA	A	<b>3NJ69 00-4HG21</b>		1	1 unit	143 0.100
<b>Bi-metal ammeters for measuring input on transformer x/1A with overload of 120% rated current</b>							
 3NJ69 00-4H...	50 A/1 A 1 VA	A	<b>3NJ69 00-4HB12</b>		1	1 unit	143 0.100
	100 A/1 A 1 VA	A	<b>3NJ69 00-4HD12</b>		1	1 unit	143 0.100
	150 A/1 A 1 VA	A	<b>3NJ69 00-4HE12</b>		1	1 unit	143 0.100
	200 A/1 A 1 VA	A	<b>3NJ69 00-4HF12</b>		1	1 unit	143 0.100
	250 A/1 A 1 VA	A	<b>3NJ69 00-4HG12</b>		1	1 unit	143 0.100
<b>Bi-metal ammeters for measuring input on transformer x/5A with overload of 120% rated current</b>							
	50 A/5 A 1 VA	A	<b>3NJ69 00-4HB22</b>		1	1 unit	143 0.100
	100 A/5 A 1 VA	A	<b>3NJ69 00-4HD22</b>		1	1 unit	143 0.100
	150 A/5 A 1 VA	A	<b>3NJ69 00-4HE22</b>		1	1 unit	143 0.100
	200 A/5 A 1 VA	A	<b>3NJ69 00-4HF22</b>		1	1 unit	143 0.100
	250 A/5 A 1 VA	A	<b>3NJ69 00-4HG22</b>		1	1 unit	143 0.100
<b>Multi-function plugs</b>							
 3NJ69 20-3EB00	6 x 2.5 mm <sup>2</sup> , with fixing screws	A	<b>3NJ69 20-3EB00</b>		1	1 unit	143 0.047
	8 x 2.5 mm <sup>2</sup> , without fixing screws	A	<b>3NJ69 20-3ED00</b>		1	1 unit	143 0.047
	10 x 1.5 mm <sup>2</sup> and 8 x 2.5 mm <sup>2</sup> , without fixing screws	A	<b>3NJ69 20-3EE00</b>		1	1 unit	143 0.070
 3NJ69 40-3EE00							




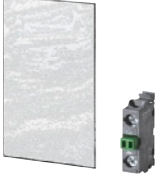


<sup>1)</sup> Not available in combinations with multi-function plug.

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

# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3NJ6 In-Line Switch Disconnectors with Fuses up to 630 A

3NJ62 switch disconnectors with fuses  
for LV HRC fuse links

Version	DT	Order No.	Price per PU	PU (UNIT, M)	PS*	PG	Weight per PU approx. kg
<b>Size LV HRC 2, LV HRC 3</b>							
 3NJ69 43-1CA00		<b>Terminals</b> Double terminal for 2-/3-pole devices, 2 x (16 mm <sup>2</sup> ... 300 mm <sup>2</sup> )	A	<b>3NJ69 43-1CA00</b>	1	6 units	143 0.450
 3NJ69 43-1DA00		<b>Terminal covers</b> For 2-/3-pole devices	A	<b>3NJ69 43-1DA00</b>	1	1 unit	143 0.195
 3NJ69 44-1EB00		<b>Contact extensions</b> 3-pole	A	<b>3NJ69 43-1EB00</b>	1	1 unit	143 8.400
 3NJ69 40-2BB00		<b>Auxiliary switches</b> 1 NO contact with cover	A	<b>3NJ69 40-2BB00</b>	1	1 unit	143 0.024
		1 NO contact	A	<b>3NJ69 00-2BC00</b>	1	1 unit	143 0.020
		1 NC contact with cover	A	<b>3NJ69 40-2CB00</b>	1	1 unit	143 0.024
		1 NC contact	A	<b>3NJ69 00-2CC00</b>	1	1 unit	143 0.020
 3NJ69 00-2BC00							
 3NJ69 40-3B...		<b>Current transformers</b> <b>For main devices and contact extensions</b>					
		300 A/1 A Class 1 5 VA	A	<b>3NJ69 40-3BH11</b>	1	1 unit	143 0.330
		300 A/1 A Class 0.5 5 VA	A	<b>3NJ69 40-3BH12</b>	1	1 unit	143 0.330
		300 A/1 A Class 0.5 calibrated 5 VA	D	<b>3NJ69 40-3BH13</b>	1	1 unit	143 0.330
		300 A/5 A Class 1 5 VA	A	<b>3NJ69 40-3BH21</b>	1	1 unit	143 0.330
		300 A/5 A Class 0.5 5 VA	A	<b>3NJ69 40-3BH22</b>	1	1 unit	143 0.330
		300 A/5 A Class 0.5 calibrated 5 VA	D	<b>3NJ69 40-3BH23</b>	1	1 unit	143 0.330
		400 A/1 A Class 1 5 VA	A	<b>3NJ69 40-3BJ11</b>	1	1 unit	143 0.430
		400 A/1 A Class 0.5 5 VA	A	<b>3NJ69 40-3BJ12</b>	1	1 unit	143 0.430
		400 A/1A Class 0.5 calibrated 5 VA	D	<b>3NJ69 40-3BJ13</b>	1	1 unit	143 0.430
		400 A/5 A Class 1 5 VA	A	<b>3NJ69 40-3BJ21</b>	1	1 unit	143 0.430
		400 A/5 A Class 0.5 5 VA	A	<b>3NJ69 40-3BJ22</b>	1	1 unit	143 0.430
		400 A/5 A Class 0.5 calibrated 5 VA	D	<b>3NJ69 40-3BJ23</b>	1	1 unit	143 0.430
		500 A/1 A Class 1 5 VA	A	<b>3NJ69 40-3BK11</b>	1	1 unit	143 0.460
		500 A/1 A Class 0.5 5 VA	A	<b>3NJ69 40-3BK12</b>	1	1 unit	143 0.460
		500 A/1 A Class 0.5 calibrated 5 VA	D	<b>3NJ69 40-3BK13</b>	1	1 unit	143 0.460
		500 A/5 A Class 1 5 VA	A	<b>3NJ69 40-3BK21</b>	1	1 unit	143 0.460
		500 A/5 A Class 0.5 5 VA	A	<b>3NJ69 40-3BK22</b>	1	1 unit	143 0.460
		500 A/5 A Class 0.5 calibrated 5 VA	D	<b>3NJ69 40-3BK23</b>	1	1 unit	143 0.460
		600 A/1 A Class 1 5 VA	A	<b>3NJ69 40-3BL11</b>	1	1 unit	143 0.460
		600 A/1 A Class 0.5 5 VA	A	<b>3NJ69 40-3BL12</b>	1	1 unit	143 0.460
		600 A/1 A Class 0.5 calibrated 5 VA	D	<b>3NJ69 40-3BL13</b>	1	1 unit	143 0.460
		600 A/5 A Class 1 5 VA	A	<b>3NJ69 40-3BL21</b>	1	1 unit	143 0.460
		600 A/5 A Class 0.5 5 VA	A	<b>3NJ69 40-3BL22</b>	1	1 unit	143 0.460
		600 A/5 A Class 0.5 calibrated 5 VA	D	<b>3NJ69 40-3BL23</b>	1	1 unit	143 0.460






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



# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3NJ6 In-Line Switch Disconnectors with Fuses up to 630 A

3NJ62 switch disconnectors with fuses  
for LV HRC fuse links

Version	DT	Order No.	Price per PU	PU (UNIT, M)	PS*	PG	Weight per PU approx. kg
 3NJ69 00-4GA00 <b>Holders for ammeters</b> For sizes 00, 1, 2, 3	A	<b>3NJ69 00-4GA00</b>		1	1 unit	143	0.040
 3NJ69 00-4H... <b>Moving-iron ammeters for measuring input on transformer x/1A with overload of twice the rated current</b>							
300 A/1 A 0.6 VA	A	<b>3NJ69 00-4HH11</b>		1	1 unit	143	0.100
400 A/1 A 0.6 VA	A	<b>3NJ69 00-4HJ11</b>		1	1 unit	143	0.100
500 A/1 A 0.6 VA	A	<b>3NJ69 00-4HK11</b>		1	1 unit	143	0.100
600 A/1 A 0.6 VA	A	<b>3NJ69 00-4HL11</b>		1	1 unit	143	0.100
 3NJ69 00-4H... <b>Moving-iron ammeters for measuring input on transformer x/5A with overload of twice the rated current</b>							
300 A/5 A 0.6 VA	A	<b>3NJ69 00-4HH21</b>		1	1 unit	143	0.100
400 A/5 A 0.6 VA	A	<b>3NJ69 00-4HJ21</b>		1	1 unit	143	0.100
500 A/5 A 0.6 VA	A	<b>3NJ69 00-4HK21</b>		1	1 unit	143	0.100
600 A/5 A 0.6 VA	A	<b>3NJ69 00-4HL21</b>		1	1 unit	143	0.100
 3NJ69 00-4H... <b>Bi-metal ammeters for measuring input on transformer x/1A with overload of 120% rated current</b>							
300 A/1 A 1 VA	A	<b>3NJ69 00-4HH12</b>		1	1 unit	143	0.100
400 A/1 A 1 VA	A	<b>3NJ69 00-4HJ12</b>		1	1 unit	143	0.100
500 A/1 A 1 VA	A	<b>3NJ69 00-4HK12</b>		1	1 unit	143	0.100
600 A/1 A 1 VA	A	<b>3NJ69 00-4HL12</b>		1	1 unit	143	0.100
 3NJ69 00-4H... <b>Bi-metal ammeters for measuring input on transformer x/5A with overload of 120% rated current</b>							
300 A/5 A 1 VA	A	<b>3NJ69 00-4HH22</b>		1	1 unit	143	0.100
400 A/5 A 1 VA	A	<b>3NJ69 00-4HJ22</b>		1	1 unit	143	0.100
500 A/5 A 1 VA	A	<b>3NJ69 00-4HK22</b>		1	1 unit	143	0.100
600 A/5 A 1 VA	A	<b>3NJ69 00-4HL22</b>		1	1 unit	143	0.100
 3NJ69 40-3EC00 <b>Multi-function plugs</b> 8 x 2.5 mm <sup>2</sup> , with fixing screws 8 x 2.5 mm <sup>2</sup> , without fixing screws 12 x 1.5 mm <sup>2</sup> and 8 x 2.5 mm <sup>2</sup> , without fixing screws	A	<b>3NJ69 40-3EC00</b>		1	1 unit	143	0.147
	A	<b>3NJ69 40-3ED00</b>		1	1 unit	143	0.147
	A	<b>3NJ69 40-3EF00</b>		1	1 unit	143	0.170
 3NJ69 40-3ED00  3NJ69 40-3EF00							






# 3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

## 3NJ6 In-Line Switch Disconnectors with Fuses up to 630 A

3NJ62 switch disconnectors with fuses  
for LV HRC fuse links

Version	DT	Order No.	Price per PU	PU (UNIT, M)	PS*	PG	Weight per PU approx. kg
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### Common accessories

 3NJ69 16-4EA00	<b>Busbar covers</b> Overall height 200 mm, IP20	A	<b>3NJ69 16-4EA00</b>		1	1 unit	113	0.472
	<b>Blanking covers</b> Overall height 50 mm, IP41	A	<b>3NJ69 00-4CB00</b>		1	1 unit	143	0.800
 3NJ69 15-3BA00	<b>Connection modules</b> For power takeoff from distribution busbar up to 400 A	A	<b>3NJ69 15-3BA00</b>		1	1 unit	113	1.524
 3NJ69 00-4FB00 3NJ69 00-4FC00	<b>Guide rails</b> Depth 200 mm (1 x left and 1 x right)	C	<b>3NJ69 00-4FB00</b>		1	1 unit	143	1.300
	Depth 400 mm (1 x left and 1 x right)	C	<b>3NJ69 00-4FC00</b>		1	1 unit	143	1.800

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

### General data

#### Application

SENTRON 3NP4 and 3NP5 fuse switch disconnectors are controls for the occasional manual switching/isolating of loads and distribution boards. They are able to switch on, conduct and switch off the specified rated current (including a specific overload).

With the SENTRON 3NP4 and 3NP5 fuse switch disconnectors, all poles of downstream electric loads can be safely disconnected from the system under load.

The SENTRON 3NP4 and 3NP5 fuse switch disconnectors are ideally suited for surface mounting and installation in distribution boards (e.g. ALPHA, SIKUS), meter cabinets (e.g. ALPHA 400-ZS), and molded-plastic distribution systems such as 8HP.

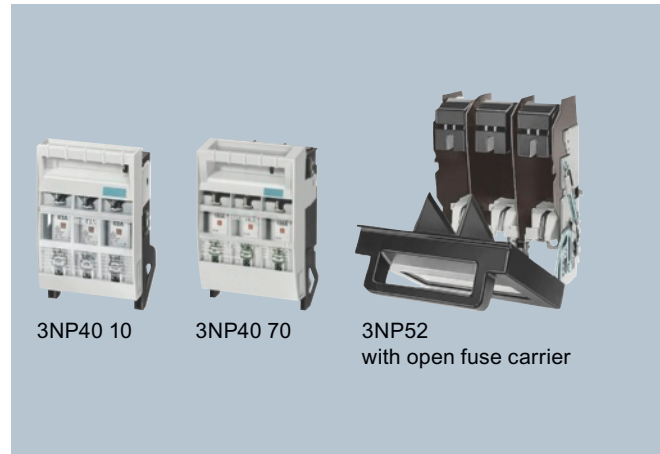
The possibility of mounting them onto a range of different busbar systems allows their very diverse implementation in switchgear cabinet and control engineering.

The SENTRON 3NP4 NH fuse system 000<sup>1)</sup> and NH fuse system 00 sizes can be snapped onto a 35 mm standard mounting rail and are ideal for operation in combination with other switchgear, for example in capacitor modules for reactive power compensation.

#### SENTRON 3NP4 and 3NP5 fuse switch disconnectors

In conjunction with semiconductor protection fuses (e.g. SITOR), these are used for the effective protection of frequency converters and soft starters.

#### SENTRON 3NP fuse switch disconnectors



The SENTRON 3NP4 and 3NP5 fuse switch disconnectors are suitable for use in any climate and comply with standards IEC 60947-1, IEC 60947-3 and EN 60947-3.

In addition, the SENTRON 3NP5 series of fuse switch disconnectors complies with the requirements of BS 5419 and is also approved for operation in marine applications.<sup>2)</sup>

All SENTRON 3NP4 and 3NP5 fuse switch disconnectors can be sealed as standard (or can be sealed through accessories).

<sup>1)</sup> Corresponds to fuse size NH fuse system 000 (NH fuse system 00C) or NH fuse system 00 with reduced dimensions; maximum width 21 mm according to IEC 60269-2 and DIN 43620.

<sup>2)</sup> Always use approved fuse links.

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

3NP4 for power distribution

### Selection and ordering data

#### Surface mounting and installation

Rated uninterrupted current $I_U$	Connection types (on both sides)		For LV HRC fuse links acc. 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	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Connection	For conductor cross-section								
A		mm <sup>2</sup>	Size	Size						kg
<b>Up to 160 A for snapping onto standard mounting rails</b>										
160 <sup>3)</sup>	Box terminal	1.5 ... 50	000 <sup>4)</sup>	00	▶	<b>3NP40 10-0CH01</b>	1	1 unit	103	0.512
160	Flat connector (M8)	Up to 2 × 70	00 and 000	00	▶	<b>3NP40 70-0CA01</b>	1	1 unit	103	0.749
	Box terminal	2.5 ... 70 or 2 × 2.5 ... 16			▶	<b>3NP40 70-0CH01</b>	1	1 unit	103	0.800
250	Flat connector (M10)	Up to 150	1 and 0	1 and 0	▶	<b>3NP42 70-0CA01</b>	1	1 unit	103	2.436
400	Flat connector (M10)	Up to 240	2 and 1	2 and 1	▶	<b>3NP43 70-0CA01</b>	1	1 unit	103	3.614
630	Flat connector (M12)	Up to 2 × 240	3 and 2	3 and 2	▶	<b>3NP44 70-0CA01</b>	1	1 unit	103	4.984



3NP40 10



3NP40 70



3NP42 70

For all fuse switch disconnectors with flat connection, the appropriate cable lug covers (3NY7 101 to 3NY7 141) must be used for finger-safe cover according to BGV A2, see "Accessories".

- 1) LV HRC fuse links, see Catalog ET B1.
- 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) LV HRC fuse links, see "Accessories".
- 4) Corresponds to LV HRC fuse links size 00 with a maximum width of 21 mm (according to IEC 60269-2-1 and DIN 43620).

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

### 3NP4 for power distribution

#### For 40 mm busbar system

Rated uninterrupted current $I_U$	Connection types (on both sides)		For LV HRC fuse links acc. 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	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Connection	For conductor cross-section								
A		mm <sup>2</sup>	Size	Size						kg

#### Busbars with a width of 12 mm or 15 mm and a thickness of 5 mm or 10 mm<sup>3)</sup>

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



3NP40 15-0CK01

160 <sup>4)</sup>	Box terminal	1.5 ... 50								
		Connection at top	000 <sup>5)</sup>	00	A	<b>3NP40 15-0CK01</b>	1	1 unit	103	0.952
		Connection at bottom			A	<b>3NP40 15-0CJ01</b>	1	1 unit	103	0.970
160	Flat connector	Up to 2 × 70 (M8)								
		Connection at top	00 and 000	00	A	<b>3NP40 75-0CE01</b>	1	1 unit	103	1.210
	Connection at bottom			A	<b>3NP40 75-0CF01</b>	1	1 unit	103	1.244	
	Box terminal	2.5 ... 70 or 2 × 2.5 ... 16								
Connection at top		00 and 000	00	A	<b>3NP40 75-0CK01</b>	1	1 unit	103	1.290	
		Connection at bottom			A	<b>3NP40 75-0CJ01</b>	1	1 unit	103	1.274
<b>With adapter, flat, to DIN 43620 Part 6, for general applications and ALPHA distribution boards (STAB/SIKUS)</b>										
160 <sup>4)</sup>	Box terminal	1.5 ... 50								
		Connection at top	000 <sup>5)</sup>	00	A	<b>3NP40 15-1CK01</b>	1	1 unit	103	0.892
		Connection at bottom			B	<b>3NP40 15-1CJ01</b>	1	1 unit	103	0.888
160	Flat connector	Up to 2 × 70 (M8)								
		Connection at top	00 and 000	00 and 000	A	<b>3NP40 75-1CE01</b>	1	1 unit	103	1.186
	Connection at bottom			A	<b>3NP40 75-1CF01</b>	1	1 unit	103	1.189	
	Box terminal	2.5 ... 70 or 2 × 2.5 ... 16								
Connection at top		00 and 000	00 and 000	A	<b>3NP40 75-1CK01</b>	1	1 unit	103	1.261	
		Connection at bottom			A	<b>3NP40 75-1CJ01</b>	1	1 unit	103	1.213
250	Flat connector	Up to 240 (M10)								
		Connection at bottom or top	1 and 0	1 and 0	A	<b>3NP42 75-1CG01</b>	1	1 unit	103	3.719

For all fuse switch disconnectors with flat connection, the appropriate cable lug covers (3NY7 101 to 3NY7 141) must be used for finger-safe cover according to BGV A2, see "Accessories".

- For LV HRC fuse links, see Catalog ET B1.
- Insert silver-plated isolating links.
- 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.
- 125/160 A only possible with 21-mm wide 3NY1 822 (125 A) and 3NY1 824 (160 A) LV HRC fuse links, see "Accessories".
- Corresponds to LV HRC fuse links size 00 with a maximum width of 21 mm (according to IEC 60269-2-1 and DIN 43620).


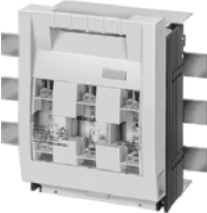
# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

**3NP4 for power distribution**
**For 60 mm busbar system**

Rated uninterrupted current $I_U$	Connection types (on both sides)		For LV HRC fuse links acc. 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	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Connection	For conductor cross-section								
A		mm <sup>2</sup>	Size	Size		Order No.	Price per PU			kg

**Busbars with a width of 12 mm to 30 mm and a thickness of 5 mm or 10 mm<sup>3)</sup> flat T and I profiles, as well as on Rittal PLS systems**

	160 <sup>4)</sup>	Box terminal <sup>5)</sup>	1.5 ... 50										
		Connection at top	000 <sup>4)</sup>	00	A	<b>3NP40 16-1CK01</b>	1	1 unit	103	0.916			
		Connection at bottom			▶	<b>3NP40 16-1CJ01</b>	1	1 unit	103	0.950			
	160	Flat connector	Up to 2 × 70 (M8)	Connection at top	00 and 000	00	A	<b>3NP40 76-1CE01</b>	1	1 unit	103	1.203	
				Connection at bottom			▶	<b>3NP40 76-1CF01</b>	1	1 unit	103	1.201	
		Box terminal <sup>5)</sup>	2.5 ... 70 or 2 × 2.5 ... 16		Connection at top	00 and 000	00	B	<b>3NP40 76-1CK01</b>	1	1 unit	103	1.295
					Connection at bottom			▶	<b>3NP40 76-1CJ01</b>	1	1 unit	103	1.249
		250	Flat connector	Up to 150 (M10)	Connection at bottom or top	1 and 0	1 and 0	▶	<b>3NP42 76-1CG01</b>	1	1 unit	103	3.713
	400	Flat connector	Up to 240 (M10)	Connection at bottom or top	2 and 1	2 and 1	▶	<b>3NP43 76-1CG01</b>	1	1 unit	103	5.440	
	630	Flat connector	Up to 2 × 240 (M12)	Connection at bottom or top	3 and 2	3 and 2	▶	<b>3NP44 76-1CG01</b>	1	1 unit	103	7.688	

For all fuse switch disconnectors with flat connection, the appropriate cable lug covers (3NY7 101 to 3NY7 141) must be used for finger-safe cover according to BVG A2, see "Accessories".

1) LV HRC fuse links, see Catalog ET B1.

2) Insert silver-plated isolating links.

3) 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.

4) 125/160 A only possible with 21 mm wide 3NY1 822 (125 A) and 3NY1 824 (160 A) LV HRC fuse links, see "Accessories".

5) No further cover required for 3NP40 with box terminal.

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

3NP4 for power distribution  
with fuse monitoring

### Selection and ordering data

With fuse monitoring by SIRIUS motor starter protectors/circuit breakers<sup>1)2)</sup>

Surface mounting and installation

Rated uninter- rupted current $I_u$	Connection types (on both sides)		For LV HRC fuse links acc. 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	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Con- nection	For con- ductor cross- section								
A		mm <sup>2</sup>	Size	Size						kg
<b>Up to 160 A for snapping onto standard mounting rails</b>										
160	Flat connector (M8)	Up to 2 × 70	00 and 000	00	A	<b>3NP40 70-0FA01</b>	1	1 unit	103	1.276
	Box terminal	2.5 ... 70 or 2 × 2.5 ... 16			A	<b>3NP40 70-0FH01</b>	1	1 unit	103	1.350
250	Flat connector (M10)	Up to 150	1 and 0	1 and 0	A	<b>3NP42 70-0FA01</b>	1	1 unit	103	2.940
400	Flat connector (M10)	Up to 240	2 and 1	2 and 1	A	<b>3NP43 70-0FA01</b>	1	1 unit	103	4.174
630	Flat connector 240 (M12)	Up to 2 × 240 (M12)	3 and 2	3 and 2	A	<b>3NP44 70-0FA01</b>	1	1 unit	103	5.495



3NP40 70-0FA01

For all fuse switch disconnectors with flat connection, the appropriate cable lug covers (3NY7 101 to 3NY7 141) must be used for finger-safe cover according to BVG A2, see "Accessories".

- 1) SIRIUS motor starter protectors, as standard with auxiliary switches 1 NO + 1 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 according to DIN 46244-A.
- 3) For LV HRC fuse links, see Catalog ET B1.
- 4) Insert silver-plated isolating links.

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

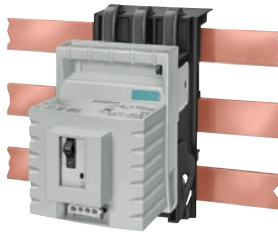
## 3NP Fuse Switch Disconnectors up to 630 A

3NP4 for power distribution  
with fuse monitoring

With fuse monitoring by SIRIUS motor starter protectors/circuit breakers<sup>1)2)</sup>

For 40 mm busbar system

Rated uninterrupted current $I_u$	Connection types (on both sides)		For LV HRC fuse links acc. 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	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.	
	Connection	For conductor cross-section									Order No.
A		mm <sup>2</sup>	Size	Size						kg	
<b>Busbars with a width of 12 mm or 15 mm and a thickness of 5 mm or 10 mm<sup>5)</sup></b>											
<b>With adapter, deep, e.g. for mounting in ALPHA meter cabinets (ALPHA 400-ZS) and ALPHA distribution boards (STAB/SIKUS)</b>											
160	Flat connector	Up to 2 × 70 (M8)	Connection 00 and 000	00	B	<b>3NP40 75-0FE01</b>	1	1 unit	103	1.812	
			Connection at top								
	Box terminal	2.5 ... 70 or 2 × 2.5 ... 16	Connection 00 and 000	00	B	<b>3NP40 75-0FK01</b>	1	1 unit	103	1.820	
			Connection at bottom								
	<b>With adapter, flat, to DIN 43620 Part 6, for general applications and ALPHA distribution boards (STAB/SIKUS)</b>										
	160	Flat connector	Up to 2 × 70 (M8)	Connection 00 and 000	00 and 000	B	<b>3NP40 75-1FE01</b>	1	1 unit	103	1.616
Connection at bottom											
Box terminal		2.5 ... 70 or 2 × 2.5 ... 16	Connection 00 and 000	00 and 000	B	<b>3NP40 75-1FK01</b>	1	1 unit	103	1.717	
			Connection at bottom								
250		Flat connector	Up to 240 (M10)	Connection 1 and 0	1 and 0	A	<b>3NP42 75-1FG01</b>	1	1 unit	103	4.210
				Connection at top or bottom							



3NP40 75-1FF01

For all fuse switch disconnectors with flat connection, the appropriate cable lug covers (3NY7 101 to 3NY7 141) must be used for finger-safe cover according to BGV A2, see "Accessories".

- 1) SIRIUS motor starter protectors, as standard with auxiliary switches 1 NO + 1 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 according to DIN 46244-A.
- 3) LV HRC fuse links, see Catalog ET B1.
- 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.

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

**3NP4 for power distribution  
with fuse monitoring**

With fuse monitoring by SIRIUS motor starter protectors/circuit breakers<sup>1)2)</sup>

For 60 mm busbar system

Rated uninter- rupted current $I_u$	Connection types (on both sides)		For LV HRC fuse links acc. 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	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Connec- tion	For conduc- tor cross- section								
A		mm <sup>2</sup>	Size	Size						kg
<b>Busbars with a width 12 mm to 30 mm and thickness 5 mm or 10 mm<sup>5)</sup> flat, T and I profiles, as well as on Rittal PLS systems</b>										
160	Flat connector	Up to 2 × 70 (M8) Connection at top Connection at bottom	00 and 000	00	B	<b>3NP40 76-1FE01</b>	1	1 unit	103	1.670
					A	<b>3NP40 76-1FF01</b>	1	1 unit	103	1.890
	Box terminal	2.5 ... 70 or 2 × 2.5 ... 16 Connection at top Connection at bottom	00 and 000	00	B	<b>3NP40 76-1FK01</b>	1	1 unit	103	1.755
					B	<b>3NP40 76-1FJ01</b>	1	1 unit	103	1.915
250	Flat connector	Up to 150 (M10) Connection at bottom or top	1 and 0	1 and 0	A	<b>3NP42 76-1FG01</b>	1	1 unit	103	4.171
400	Flat connector	Up to 240 (M10) Connection at bottom or top	2 and 1	2 and 1	A	<b>3NP43 76-1FG01</b>	1	1 unit	103	5.845
630	Flat connector	Up to 2 × 240 (M12) Connection at bottom or top	3 and 2	3 and 2	A	<b>3NP44 76-1FG01</b>	1	1 unit	103	8.235

For all fuse switch disconnectors with flat connection, the appropriate cable lug covers (3NY7 101 to 3NY7 141) must be used for finger-safe cover according to BGV A2, see "Accessories".

- 1) SIRIUS motor starter protectors, as standard with auxiliary switches 1 NO + 1 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 according to DIN 46244-A.
- 3) For LV HRC fuse links, see Catalog ET B1.
- 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.


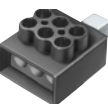
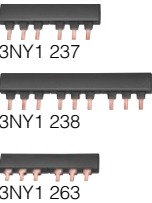

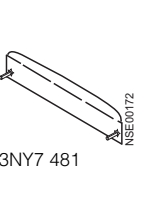
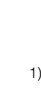

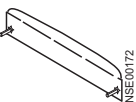

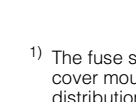


# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

3NP4 for power distribution  
Accessories

### Selection and ordering data

	For fuse switch disconnectors	Version	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
	<b>Quick retaining plates</b> Between 2 support rails to EN 60715									
	Center-to-center spacing 125 mm	3NP40 10, 3NP40 70	B	<b>3NY1 995</b>		1	1 unit	103	0.135	
	Center-to-center spacing 125 mm	3NP42 70	B	<b>3NY7 322</b>		1	1 unit	103	0.249	
	<b>Cable lug covers</b> And finger-safe cover according to BVG A2 (1 set = 2 units) for 1 mounting device or 2 adapter devices									
		3NP40 7 with flat connector <sup>1)</sup>	▶	<b>3NY7 101</b>		1	1 unit	103	0.065	
		3NP42 7	▶	<b>3NY7 121</b>		1	1 unit	103	0.220	
		3NP43	▶	<b>3NY7 131</b>		1	1 unit	103	0.221	
		3NP44	▶	<b>3NY7 141</b>		1	1 unit	103	0.319	
	<b>Terminals</b> (1 set = 3 units)									
		3NP42 7	Conductor cross-section 70 mm <sup>2</sup> ... 150 mm <sup>2</sup> ...	A	<b>3NY7 120</b>		1	1 unit	103	0.333
		3NP43	120 mm <sup>2</sup> ... 240 mm <sup>2</sup> ...	A	<b>3NY7 130</b>		1	1 unit	103	0.583
		3NP44	150 mm <sup>2</sup> ... 300 mm <sup>2</sup>	A	<b>3NY7 140</b>		1	1 unit	103	0.725
	<b>Triple terminals</b> (1 set = 3 units)									
	For fitting to box terminals	3NP40 1, 3NP40 7	Solid/ stranded: 2.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>	A	<b>3NY7 102</b>		1	1 unit	103	0.131
	For fitting to flat connector	3NP40 7	Finely stranded with end sleeve: 2.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>	B	<b>3NY7 105</b>		1	1 unit	103	0.113
	<b>3-phase busbars</b> Modular width 90 mm = 5 MW									
		3NP40 1	For I <sub>N</sub> max = 225 A For 2 switch disconnectors	A	<b>3NY1 237</b>		1	1 unit	103	0.265
	Permissible connection 25 mm <sup>2</sup> or feeder terminal		For 3 switch disconnectors	A	<b>3NY1 238</b>		1	1 unit	103	0.434
			For 4 switch disconnectors Link rails	A	<b>3NY1 438</b>		1	1 unit	103	0.650
	<b>Sealable covers</b> For 1 blank space in 3NY1 238									
		3NP40 1		A	<b>3NY1 265</b>		1	1 unit	103	0.012
	<b>Feeder terminals</b> (1 set = 3 units) for I <sub>N</sub> max = 225 A									
		3NP40 1	Conductor cross-section 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	1 unit	103	0.262
	<b>Overreaching protection</b>									
		3NP42 7, 3NP43, 3NP44		A	<b>3NY7 481</b>		1	1 unit	103	0.021
	<b>Sealing pins</b> (1 pack = 10 units)									
		3NP42 7, 3NP43, 3NP44		A	<b>3NY7 482</b>		1	10 units	103	0.056
	<b>Busbar thickness compensators</b> (1 assembly kit = 5 parts) for only 5 mm thick busbars									
		3NP42 7, 3NP43		A	<b>3NY7 381</b>		1	1 unit	103	0.064

<sup>1)</sup> The fuse switch disconnector can be used in the meter cabinet with the cable lug cover mounted in combination with molded-plastic masking frames for the distribution board or switchpanel or the incoming feeder panel without any problems.

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

### 3NP4 for power distribution Accessories



3NY3 035

	For fuse switch disconnectors	Version	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
<b>Fuse carriers</b>	Gray with inscription label with voltage inspection holes	3NP40 1	B	<b>3NY7 003</b>		1	1 unit	103	0.160
		3NP40 7	B	<b>3NY7 001</b>		1	1 unit	103	0.220
<b>Auxiliary switches 1 CO</b>	3NP40 1 to 3NP44		▶	<b>3NY3 035</b>		1	1 unit	103	0.004
	For sizes 000 and 00 with self-tapping screws for sizes 1 to 3 to clip on								
<b>Solid-state compatible</b>			B	<b>3NY3 030</b>		1	1 unit	103	0.004
<b>Fuse links size 000</b>	3NP40 1	400 V/125 A	A	<b>3NY1 822</b>		1	3 units	013	0.130
With non-insulated grip lugs, gL/gG operational class for cable and line protection, overall width 21 mm acc. to IEC 60269-2 and DIN 43620		400 V/160 A	B	<b>3NY1 824</b>		1	3 units	013	0.129
<b>Signal cables</b>									
For connection to size 00 fuse monitor output socket									
1 m cable with plug	3NP40 7		B	<b>3NY1 910</b>		1	1 unit	103	0.097
3 m cable with plug	3NP40 7		B	<b>3NY1 911</b>		1	1 unit	103	0.261

### SITOR fuses for 3NP4 fuse switch disconnectors: Assignment table

For switch disconnectors			SITOR fuses				DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Type	Permissible load current <sup>1)</sup>	Required conductor cross-section Cu	Size	Operational class	Rated current	Rated voltage <sup>2)</sup>							
	A	mm <sup>2</sup>			A	V							
<b>SITOR 3NE1 fuses for 3NP4</b>													
3NP40 1	16	1.5	000	gR/gS	16	690	▶	<b>3NE1 813-0</b>		1	3 units	047	0.127
3NP40 7	20	2.5	000	gR/gS	20	690	▶	<b>3NE1 814-0</b>		1	3 units	047	0.128
	25	4	000	gR/gS	25	690	▶	<b>3NE1 815-0</b>		1	3 units	047	0.127
	35	6	000	gR/gS	35	690	▶	<b>3NE1 803-0</b>		1	3 units	047	0.128
	40	10	000	gR/gS	40	690	▶	<b>3NE1 802-0</b>		1	3 units	047	0.127
	50	10	000	gR/gS	50	690	▶	<b>3NE1 817-0</b>		1	3 units	047	0.128
	63	16	000	gR/gS	63	690	▶	<b>3NE1 818-0</b>		1	3 units	047	0.128
	80	25	000	gR/gS	80	690	▶	<b>3NE1 820-0</b>		1	3 units	047	0.129
3NP40 7	100	35	00	gR/gS	100	690	▶	<b>3NE1 021-0</b>		1	3 units	047	0.202
	125	50	00	gR/gS	125	690	▶	<b>3NE1 022-0</b>		1	3 units	047	0.202
	105	50	00	gR	125	690	A	<b>3NE1 022-2</b>		1	3 units	047	0.203
3NP42 7	160	70	1	gR/gS	160	690	▶	<b>3NE1 224-0</b>		1	3 units	047	0.580
	160	70	1	gR	160	690	A	<b>3NE1 224-2</b>		1	3 units	047	0.613
	200	95	1	gR/gS	200	690	▶	<b>3NE1 225-0</b>		1	3 units	047	0.582
	200	95	1	gR	200	690	A	<b>3NE1 225-2</b>		1	3 units	047	0.612
	250	120	1	gR/gS	250	690	▶	<b>3NE1 227-0</b>		1	3 units	047	0.580
	250	120	1	gR	250	690	A	<b>3NE1 227-2</b>		1	3 units	047	0.626
3NP43 7	315	2 × 70	2	gR/gS	315	690	A	<b>3NE1 230-0</b>		1	3 units	047	0.581
	315	2 × 70	2	gR	315	690	A	<b>3NE1 230-2</b>		1	3 units	047	0.615
	350	2 × 95	2	gR/gS	350	690	▶	<b>3NE1 331-0</b>		1	3 units	047	0.766
	350	2 × 95	2	gR	350	690	A	<b>3NE1 331-2</b>		1	3 units	047	0.754
	400	2 × 95	2	gR/gS	400	690	▶	<b>3NE1 332-0</b>		1	3 units	047	0.743
3NP44 7	450	2 × 120	2	gR/gS	450	690	A	<b>3NE1 333-0</b>		1	3 units	047	0.760
(3NP44 76)	425	2 × 120	2	gR	450	690	A	<b>3NE1 333-2</b>		1	3 units	047	0.768
	480	2 × 120	2	gR/gS	500	690	A	<b>3NE1 334-0</b>		1	3 units	047	0.766
	465 (450) <sup>3)</sup>	2 × 120	2	gR	500	690	A	<b>3NE1 334-2</b>		1	3 units	047	0.768
3NP44 70	560 (510) <sup>3)</sup>	2 × 150	3	gR/gS	560	690	A	<b>3NE1 435-0</b>		1	3 units	047	1.111
(3NP44 76)	540 (500) <sup>3)</sup>	2 × 150	3	gR	560	690	A	<b>3NE1 435-2</b>		1	3 units	047	1.149
	620 (535) <sup>3)</sup>	2 × 185	3	gR/gS	630	690	A	<b>3NE1 436-0</b>		1	3 units	047	1.114
	600 (520) <sup>3)</sup>	2 × 185	3	gR	630	690	A	<b>3NE1 436-2</b>		1	3 units	047	1.179
	690 (600) <sup>3)</sup>	2 × (40 × 5)	3	gR/gS	710	690	A	<b>3NE1 437-0</b>		1	3 units	047	1.117
	670 (570) <sup>3)</sup>	2 × (40 × 5)	3	gR	690	600	D	<b>3NE1 437-1</b>		1	3 units	047	1.120
	540 (540) <sup>3)</sup>	2 × (40 × 5)	3	gR	710	600	B	<b>3NE1 437-2</b>		1	3 units	047	1.153
	750 (640) <sup>3)</sup>	2 × (50 × 5)	3	gR/gS	800	690	A	<b>3NE1 438-0</b>		1	3 units	047	1.124
	710 (600) <sup>3)</sup>	2 × (50 × 5)	3	gR	750	600	B	<b>3NE1 438-1</b>		1	3 units	047	1.113
	580 (580) <sup>3)</sup>	2 × (50 × 5)	3	gR/	800	600	A	<b>3NE1 438-2</b>		1	3 units	047	1.184
	530 (530) <sup>3)</sup>	2 × (40 × 5)	3	gR	670	690	A	<b>3NE1 447-2</b>		1	3 units	047	1.170
	630 (630) <sup>3)</sup>	2 × (40 × 8)	3	gR	850	690	A	<b>3NE1 448-2</b>		1	3 units	047	1.207

<sup>1)</sup> Permissible load current of the SITOR fuse in the switch disconnector. In the case of cyclic loads, the currents may have to be reduced again (precise values on request).

<sup>2)</sup> When maintaining overvoltage category 2 (instead of 3) and degree of pollution 2 (instead of 3) to EN 60947-1, the rated insulation voltage of the 3NP fuse switch disconnector is also  $U_i = 1000$  V.

<sup>3)</sup> Values in brackets apply to 3NP44 76 switch disconnectors.

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

3NP4 for power distribution  
Accessories

For switch disconnectors			SITOR fuses				DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.	
Type	Permissible load current <sup>1)</sup>	Required conductor cross-section Cu	Size	Operational class	Rated current	Rated voltage <sup>2)</sup>								
	A	mm <sup>2</sup>			A	V							kg	
<b>SITOR 3NE3 to 3NE8 and 3NC2 to 3NC8 fuses for 3NP4</b>														
3NP40 7	25	4	00	gR	25	690	▶	<b>3NE8 015-1</b>			1	3 units	047	0.205
(3NP40 75/3NP40 76)	33	6	00	gR	35	690	▶	<b>3NE8 003-1</b>			1	3 units	047	0.204
	45	10	00	gR	50	690	▶	<b>3NE8 017-1</b>			1	3 units	047	0.203
	54 (53)	16	00	gR	63	690	▶	<b>3NE8 018-1</b>			1	3 units	047	0.205
	68	25	00	aR	80	690	▶	<b>3NE8 020-1</b>			1	3 units	047	0.203
	89 (85)	35	00	aR	100	690	▶	<b>3NE8 021-1</b>			1	3 units	047	0.205
	106 (100)	50	00	aR	125	690	▶	<b>3NE8 022-1</b>			1	3 units	047	0.213
	130 (125)	70	00	aR	160	690	▶	<b>3NE8 024-1</b>			1	3 units	047	0.207
3NP42 <sup>3)</sup>	32	6	0	gR	32	1000	▶	<b>3NE4 101</b>			1	3 units	047	0.278
	38	10	0	gR	40	1000	▶	<b>3NE4 102</b>			1	3 units	047	0.277
	45	10	0	gR	50	1000	▶	<b>3NE4 117</b>			1	3 units	047	0.276
	59	16	0	gR	63	1000	▶	<b>3NE4 118</b>			1	3 units	047	0.279
	76	25	0	aR	80	1000	▶	<b>3NE4 120</b>			1	3 units	047	0.276
	90	35	0	aR	100	1000	▶	<b>3NE4 121</b>			1	3 units	047	0.278
	115	50	0	aR	125	1000	▶	<b>3NE4 122</b>			1	3 units	047	0.279
	144	70	0	aR	160	1000	▶	<b>3NE4 124</b>			1	3 units	047	0.279
3NP43	100 (100)	35	1	aR	100	1000	A	<b>3NE3 221</b>			1	3 units	047	0.580
(3NP43 76)	120 (125)	50	1	aR	125	1000	A	<b>3NE3 222</b>			1	3 units	047	0.568
	150 (160)	70	1	aR	160	1000	▶	<b>3NE3 224</b>			1	3 units	047	0.573
	190 (200)	95	1	aR	200	1000	▶	<b>3NE3 225</b>			1	3 units	047	0.570
	230 (250)	120	1	aR	250	1000	▶	<b>3NE3 227</b>			1	3 units	047	0.580
	270 (285)	185	1	aR	315	1000	▶	<b>3NE3 230-0B</b>			1	3 units	047	0.585
	290 (310)	240	1	aR	350	1000	A	<b>3NE3 231</b>			1	3 units	047	0.590
	310 (330)	240	1	aR	400	1000	A	<b>3NE3 232-0B</b>			1	3 units	047	0.576
	330 (360)	2 × 150	1	aR	450	1000	▶	<b>3NE3 233</b>			1	3 units	047	0.720
3NP44 70	345 (340)	240	2	aR	400	1000	A	<b>3NE3 332-0B</b>			1	3 units	047	0.759
(3NP44 76)	385 (370)	2 × 150	2	aR	450	1000	A	<b>3NE3 333</b>			1	3 units	047	0.748
	430 (410)	2 × 150	2	aR	500	1000	▶	<b>3NE3 334-0B</b>			1	3 units	047	0.753
	490 (450)	2 × 185	2	aR	560	1000	▶	<b>3NE3 335</b>			1	3 units	047	0.756
	560 (500)	2 × 185	2	aR	630	1000	▶	<b>3NE3 336</b>			1	3 units	047	0.760
	590 (510)	2 × 200	2	aR	710	900	▶	<b>3NE3 337-8</b>			1	3 units	047	0.762
	605 (520)	2 × 200	2	aR	800	800	▶	<b>3NE3 338-8</b>			1	3 units	047	0.764
	630 (530)	2 × 200	2	aR	900	690	▶	<b>3NE3 340-8</b>			1	3 units	047	0.753
	205 (235)	120	2	aR	250	800	▶	<b>3NE4 327-0B</b>			1	3 units	047	0.753
	260 (280)	240	2	aR	315	800	▶	<b>3NE4 330-0B</b>			1	3 units	047	0.760
	375 (390)	2 × (30 × 5)	2	aR	450	800	▶	<b>3NE4 333-0B</b>			1	3 units	047	0.760
	410 (415)	2 × (30 × 5)	2	aR	500	800	▶	<b>3NE4 334-0B</b>			1	3 units	047	0.754
	540 (480)	2 × (40 × 5)	2	aR	710	800	▶	<b>3NE4 337</b>			1	3 units	047	0.771
	140 (140)	70	3	gR	150	500	B	<b>3NC2 423-3C</b>			1	3 units	047	0.940
	175 (175)	95	3	gR	200	500	B	<b>3NC2 425-3</b>			1	3 units	047	1.057
	220 (215)	120	3	gR	250	500	B	<b>3NC2 427-3</b>			1	3 units	047	1.066
	250 (245)	185	3	gR	300	500	B	<b>3NC2 428-3</b>			1	3 units	047	1.078
	320 (315)	240	3	gR	350	500	B	<b>3NC2 431-3C</b>			1	3 units	047	0.940
	370 (360)	240	3	gR	400	500	B	<b>3NC2 432-3C</b>			1	3 units	047	0.940
	120 (120)	70	3	gR	150	660	B	<b>3NC8 423-3</b>			1	3 units	047	1.062
	160 (155)	95	3	gR	200	660	B	<b>3NC8 425-3</b>			1	3 units	047	1.063
	200 (195)	120	3	gR	250	660	B	<b>3NC8 427-3</b>			1	3 units	047	1.069
	270 (260)	240	3	gR	350	660	B	<b>3NC8 431-3</b>			1	3 units	047	1.072
	385 (375)	2 × 150	3	gR	500	660	B	<b>3NC8 434-3</b>			1	3 units	047	1.069
	400 (400)	3 × (60 × 6)	3	aR	1000	600	C	<b>3NC8 444-3</b>			1	3 units	047	1.085

<sup>1)</sup> Permissible load current of the SITOR fuse in the switch disconnector. In the case of cyclic loads, the currents may have to be reduced again (precise values on request).

<sup>2)</sup> When maintaining overvoltage category 2 (instead of 3) and degree of pollution 2 (instead of 3) to EN 60947-1, the rated insulation voltage of the 3NP fuse switch disconnector is also  $U_i = 1000$  V.

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

For technical specifications and dimensional drawings of the SITOR fuses see [Catalog ET B1](#).


# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

3NP4 for power distribution  
Assembly kits for distribution boards

### Selection and ordering data

#### Masking frames

	For fuse switch disconnectors	Height × Width DT mm	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
<b>For installation in 40 mm and 60 mm busbar systems</b>								
<b>Touch protection covers<sup>1)</sup></b>								
	3NP40 75, 3NP40 76	B	<b>3NY7 601</b>		1	1 unit	103	0.125
<b>For installation in any distribution board<sup>2)</sup></b>								
<b>Molded-plastic masking frames</b>								
 3NY1 251	3NP40 1	215 × 130	A	<b>3NY1 251</b>	1	1 unit	103	0.052
	3NP40 7 with box terminals	215 × 130	▶	<b>3NY7 200</b>	1	1 unit	103	0.037
	3NP40 7 with flat connector	215 × 130	▶	<b>3NY7 201</b>	1	1 unit	103	0.046
	3NP42 7	375 × 220	▶	<b>3NY7 220</b>	1	1 unit	103	0.112
	3NP43	375 × 245	A	<b>3NY7 230</b>	1	1 unit	103	0.117
	3NP44	375 × 290	A	<b>3NY7 240</b>	1	1 unit	103	0.125
<b>For installation in ALPHA 400-ZS meter cabinets</b>								
<b>Molded-plastic masking frames</b>								
Suitable for distribution board/switchpanel section or incoming unit section in meter cabinet (mounting on busbar)	2 × 3NP40 1	197 × 215.5	A	<b>3NY1 258</b>	1	1 unit	103	0.063
	1 × 3NP40 1 left	197 × 215.5	A	<b>3NY1 262</b>	1	1 unit	103	0.093
	1 × 3NP40 1 right	197 × 215.5	A	<b>3NY1 264</b>	1	1 unit	103	0.091
	1 × 3NP40 7 left	208 × 229	A	<b>3NY7 500</b>	1	1 unit	103	0.120
	1 × 3NP40 7 right	208 × 229	A	<b>3NY7 501</b>	1	1 unit	103	0.120
	2 × 3NP40 7	208 × 229	A	<b>3NY7 502</b>	1	1 unit	103	0.054
	3NP42 7	309 × 216	▶	<b>3NY7 220</b>	1	1 unit	103	0.112
	3NP43	375 × 245	A	<b>3NY7 230</b>	1	1 unit	103	0.117
3NP44	375 × 290	A	<b>3NY7 240</b>	1	1 unit	103	0.125	
<b>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)</b>								
<b>Touch protection covers<sup>1)3)</sup></b>								
	3NP40 76	B	<b>3NY7 600</b>		1	1 unit	103	0.095
<b>Molded-plastic masking frames</b>								
For attachment on mounting plate or busbars. <i>For more information, see Catalog ET A1 "ALPHA Distribution Boards"</i>	1 × 3NP40 1 right	166 × 199	A	<b>3NY1 260</b>	1	1 unit	103	0.082
	1 × 3NP40 1 left	166 × 199	A	<b>3NY1 261</b>	1	1 unit	103	0.086
	2 × 3NP40 1	166 × 199	A	<b>3NY1 248</b>	1	1 unit	103	0.036
	1 × 3NP40 7 left	208 × 229	A	<b>3NY7 500</b>	1	1 unit	103	0.120
	1 × 3NP40 7 right	208 × 229	A	<b>3NY7 501</b>	1	1 unit	103	0.120
	2 × 3NP40 7	208 × 236	A	<b>3NY7 502</b>	1	1 unit	103	0.054
	3NP42 7	309 × 216 <sup>4)</sup>	A	<b>3NY7 820</b>	1	1 unit	103	0.113
	3NP43	375 × 245	A	<b>3NY7 230</b>	1	1 unit	103	0.117
	3NP44	375 × 290	A	<b>3NY7 240</b>	1	1 unit	103	0.125

<sup>1)</sup> When LV HRC fuse links size 00 (160 A) are used, the permissible load current is  $0.9 \times I_n$ .

<sup>2)</sup> To some extent, special masking frames are required for installation in ALPHA wall-mounted and floor-mounted distribution boards (STAB, SIKUS), and ALPHA 400-ZS meter cabinets; see "Accessories".

<sup>3)</sup> In the 60 mm busbar system with cable feeder at the bottom, the conductor cross-section is limited to 16 mm<sup>2</sup>.

<sup>4)</sup> 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).

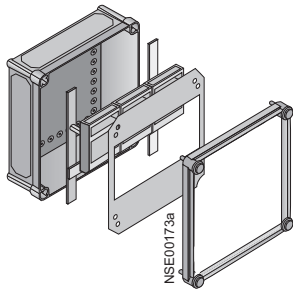
# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

3NP4 for power distribution  
Assembly kits for distribution boards

For fuse switch disconnectors	8HP enclosure	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Size							kg

### For installation in 8HP molded-plastic distribution systems



Molded-plastic masking frame

#### Molded-plastic masking frames

For installation in 8HP complete enclosures with fuse switch disconnectors

1 x 3NP40 10	1	A	<b>8HP6 431</b>		1	1 unit	046	0.221
1 x 3NP40 70	1	A	<b>8HP6 422</b>		1	1 unit	046	0.224
2 x 3NP40 10	2	A	<b>8HP6 432</b>		1	1 unit	046	0.465
3 x 3NP40 10	2	A	<b>8HP6 432</b>		1	1 unit	046	0.465
1 x 3NP40 70	2	A	<b>8HP6 423</b>		1	1 unit	046	0.230
2 x 3NP40 70	2	A	<b>8HP6 424</b>		1	1 unit	046	0.203
1 x 3NP40 70	2.5	A	<b>8HP6 423</b>		1	1 unit	046	0.230
2 x 3NP40 70	2.5	A	<b>8HP6 424</b>		1	1 unit	046	0.203
1 x 3NP42 70	2.5	A	<b>8HP6 427</b>		1	1 unit	046	0.250

For fuse switch disconnectors	Height x Width	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	mm							kg

### For installation in STAB/SIKUS 8GD/8GA "classic" distribution boards

#### Molded-plastic masking frames

For fixing between two standard mounting rails with 3NY1 995 quick retaining plate

1 x 3NP40 10 right with and without auxiliary switch	197 x 215.5	A	<b>3NY1 256</b>		1	1 unit	103	0.116	
1 x 3NP40 10 left with and without auxiliary switch	197 x 215.5	A	<b>3NY1 257</b>		1	1 unit	103	0.118	
In a section of width B1	2 x 3NP40 10 with and without auxiliary switch	197 x 215.5	A	<b>3NY1 258</b>		1	1 unit	103	0.063
In a section of width B2/2	2 x 3NP40 10 with and without auxiliary switch	197 x 235	A	<b>3NY1 250</b>		1	1 unit	103	0.075
In a section of width B2	3 x 3NP40 10 with and without auxiliary switch (support included in scope of supply)	197 x 485	B	<b>3NY1 253</b>		1	1 unit	103	0.225
	4 x 3NP40 10 with and without auxiliary switch (support included in scope of supply)	197 x 485	B	<b>3NY1 254</b>		1	1 unit	103	0.188
	5 x 3NP40 10 with and without auxiliary switch	197 x 485	A	<b>3NY1 255</b>		1	1 unit	103	0.125



3NY1 250



3NY1 253



3NY1 255

#### Supports


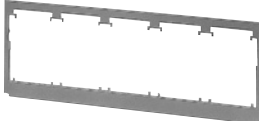
(1 set = 10 units)  
For 3NY1 253 and 3NY1 254 molded-plastic masking frames

3NP40 1		C	<b>3NY1 271</b>		1	1 unit	103	0.100
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# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

3NP4 for power distribution  
Assembly kits for distribution boards

	For fuse switch disconnectors	Height × Width mm	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
	<b>Molded-plastic masking frames</b> For snapping on of 3NP40 1 switch disconnectors	1 x 3NP40 1 right with and without auxiliary switch	166 × 199	A	<b>3NY1 260</b>		1	1 unit	103	0.082
	On standard mounting rail with special 8GD9 device holder and for mounting onto busbars (except 3NY1 247)	1 x 3NP40 1 left with and without auxiliary switch	166 × 199	A	<b>3NY1 261</b>		1	1 unit	103	0.086
	In a section of width B1	2 x 3NP40 1 with and without auxiliary switch	166 × 199	A	<b>3NY1 248</b>		1	1 unit	103	0.036
	In a section of width B2	5 x 3NP40 1 with and without auxiliary switch	166 × 469	A	<b>3NY1 247</b>		1	1 unit	103	0.072
	<b>Blanking covers</b> (1 set = 10 units) for covering blank space in the 3NY1 2 molded-plastic masking frames	3NP40 1	Width 90	B	<b>3NY1 270</b>		1	1 unit	103	0.040
	<b>Molded-plastic masking frames</b> For fitting between two standard mounting rails	1 x 3NP40 7 left	208 × 219	B	<b>3NY7 800</b>		1	1 unit	103	0.100
	With 3NY1 995 quick retaining plate	1 x 3NP40 7 right	208 × 219	B	<b>3NY7 801</b>		1	1 unit	103	0.120
	With 3NY1 322 quick retaining plate	2 x 3NP40 7	208 × 222	B	<b>3NY7 802</b>		1	1 unit	103	
		1 x 3NP42 7	309 × 216	A	<b>3NY7 820</b>		1	1 unit	103	0.113
	<b>Molded-plastic masking frames</b> For attachment									
	On 8GD9 100 mounting plate	1 x 3NP40 7 left	208 × 229	A	<b>3NY7 500</b>		1	1 unit	103	0.120
		1 x 3NP40 7 right	208 × 229	A	<b>3NY7 501</b>		1	1 unit	103	0.120
		2 x 3NP40 7	208 × 236	A	<b>3NY7 502</b>		1	1 unit	103	0.054
		1 x 3NP42 70	309 × 216 <sup>1)</sup>	A	<b>3NY7 820</b>		1	1 unit	103	0.113
	<b>Molded-plastic masking frames</b> For attachment									
	On 8GD9 591 mounting plate	1 x 3NP43 70	375 × 245	A	<b>3NY7 230</b>		1	1 unit	103	0.117
	On 8GD9 592 mounting plate	1 x 3NP44 70	375 × 290	A	<b>3NY7 240</b>		1	1 unit	103	0.125

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

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

**3NP5 for extended technical requirements**
**Selection and ordering data**
*Surface mounting and installation*

Rated uninterrupted current $I_u$	Connection types (on both sides)		For LV HRC fuse links acc. to DIN 43620 <sup>1)</sup>	For isolating links	Auxiliary switch on switch disconnectors	DT	Degree of protection IP00, without fuse links, without isolating links, with terminal screws		PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Connection	For conductor cross-section					Order No.	Price per PU				
A		mm <sup>2</sup>	Size	Size	Version							kg
<b>Completely compartmentalized, with high speed closing features</b>												
160	Flat connector <sup>2)</sup>	2.5 ... 150 <sup>3)</sup>	00 and 000	00	none <sup>4)</sup> 1 NO + 1 NC	▶ B	▶	<b>3NP50 60-OCA00</b>	1	1 unit	103	1.608
	Terminal clamp	1 conductor 2.5 ... 50 or 2 conductors 1 × 2.5 ... 50 1 × 2.5 ... 35	00 and 000	00	none <sup>4)</sup> 1 NO + 1 NC	A B		<b>3NP50 60-OCB00</b> <b>3NP50 60-OCB10</b>	1 1	1 1 unit	103 103	1.739 1.748
250	Flat connector	6 ... 150 <sup>5)</sup>	1 and 0	1	Without 1 NO + 1 NC	▶ A	▶	<b>3NP52 60-OCA00</b> <b>3NP52 60-OCA10</b>	1 1	1 1 unit	103 103	5.475 5.491
	Terminal clamp	35 ... 120	1 and 0	1	Without 1 NO + 1 NC	C B		<b>3NP52 60-OCB00</b> <b>3NP52 60-OCB10</b>	1 1	1 1 unit	103 103	5.605 5.814
400	Flat connector	6 ... 240 <sup>5)</sup>	2 and 1	2	Without 1 NO + 1 NC	▶ A	▶	<b>3NP53 60-OCA00</b> <b>3NP53 60-OCA10</b>	1 1	1 1 unit	103 103	6.532 6.551
	Terminal clamp	35 ... 120	2 and 1	2	Without 1 NO + 1 NC	C B		<b>3NP53 60-OCB00</b> <b>3NP53 60-OCB10</b>	1 1	1 1 unit	103 103	6.532 6.551
630	Flat connector	6 ... 2 × 240 <sup>5)</sup>	3 and 2	3	Without 1 NO + 1 NC	▶ B	▶	<b>3NP54 60-OCA00</b> <b>3NP54 60-OCA10</b>	1 1	1 1 unit	103 103	7.945 7.958
	Terminal clamp	35 ... 120	3 and 2	3	Without 1 NO + 1 NC	C B		<b>3NP54 60-OCB00</b> <b>3NP54 60-OCB10</b>	1 1	1 1 unit	103 103	7.945 7.958

1) LV HRC fuse links, see Catalog ET B1.

2) For 3NP50 60 with flat connectors, appropriate 3NY1 106 cable lug covers must be used to provide finger-safe cover, according to EN 61140 and EN 50274 (see "Accessories").

3) According to DIN 46234 or 16 mm<sup>2</sup> ... 95 mm<sup>2</sup> according to DIN 46235 (use M10 cable lug if necessary).

4) If auxiliary switch is retrofitted, additional drill holes are required on the switch.

5) According to DIN 46234 or DIN 46235; with cable lug to DIN 46235: Min. conductor cross-section 16 mm<sup>2</sup> (use M12 cable lug if necessary).

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

### 3NP5 for extended technical requirements

#### For 40 mm busbar system

Rated uninterrupted current $I_u$	Connection types (on both sides)		For LV HRC fuse links acc. to DIN 43620 <sup>1)</sup>	For isolating links	Auxiliary switch on switch disconnectors	DT	Degree of protection IP00, without fuse links, without isolating links, with terminal screws	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Connection	For conductor cross-section									
A		mm <sup>2</sup>									kg

#### Completely compartmentalized, with high speed closing features<sup>2)</sup>

##### Busbars with a width of 12 mm and thickness of 5 mm or 10 mm

160	Flat connector	2.5 ... 150 <sup>3)</sup> Connection at bottom	00 and 000	Without	C 1 NO + 1 NC B		<b>3NP50 65-1CF00</b> <b>3NP50 65-1CF10</b>	1	1 unit	103	2.380
								1	1 unit	103	2.370
	Terminal clamp	1 conductor 2.5 ... 50 or 2 conductors 1 × 2.5 ... 50 1 × 2.5 ... 35 Connection at bottom	00 and 000	Without	B 1 NO + 1 NC B		<b>3NP50 65-1CG00</b> <b>3NP50 65-1CG10</b>	1	1 unit	103	2.433
								1	1 unit	103	2.437

<sup>1)</sup> For LV HRC fuse links, see Catalog ET B1.

<sup>2)</sup> For accessories and more devices on busbar systems, see "Accessories".

<sup>3)</sup> According to DIN 46234 or 16 mm<sup>2</sup> ... 95 mm<sup>2</sup> according to DIN 46235 (use M cable lug if necessary).

#### For 60 mm busbar system

##### Note:

For switch versions "For installation in any distribution board" and busbar adapters see page 17/92.



# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

3NP5 for extended technical requirements  
with fuse monitoring

### Selection and ordering data

With fuse monitoring by SIRIUS motor starter protectors/circuit breakers

Surface mounting and installation

Rated uninter- rupted current $I_u$	Connection types (on both sides)		For LV HRC fuse links acc. to DIN 43620 <sup>1)</sup>	Auxiliary switch		DT	Degree of protection IP00, without fuse links, without isolating links, with terminal screws	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Con- nection	For conduc- tor cross- section		On switch discon- nector	On MSP/ circuit breaker						
A		mm <sup>2</sup>	Size	Version	Version		Order No.	Price per PU			kg

### Completely compartmentalized, with high speed closing features with fuse monitoring by SIRIUS motor starter protector

With plug-in connection of the auxiliary switch connecting cable (length approx. 1 m) to the circuit breaker

160	Flat con- nector <sup>2)</sup>	2.5 ... 150 <sup>3)</sup>	00 and 000	1 NO +	1 NO +	▶	3NP50 60-0EA86			103	2.484
				1 NC	1 NC						B
250	Terminal clamp	1 conductor 2.5 ... 50	00 and 000	1 NO +	1 NO +	B	3NP50 60-0EB86			103	2.616
				1 NC	1 NC						B
	2 conductors 1 × 2.5 ... 50 1 × 2.5 ... 35	1 and 0	1 NO +	1 NO +	B	3NP52 60-0EA86			103	6.014	
			1 NC	1 NC						B	3NP52 60-0EA26
Flat connector	35 ... 120	1 and 0	1 NO +	1 NO +	B	3NP52 60-0EB86			103	7.095	
			1 NC	1 NC						B	3NP52 60-0EB26
400	Flat connector	6 ... 240 <sup>4)</sup>	2 and 1	1 NO +	1 NO +	▶	3NP53 60-0EA86			103	7.083
				1 NC	1 NC						B
630	Flat connector	6 ... 2 × 240 <sup>4)</sup>	3 and 2	1 NO +	1 NO +	▶	3NP54 60-0EA86			103	8.462
				1 NC	1 NC						B



3NP52 60-0EA86



3NP53 60-0EA86



3NP54 60-0EA86

<sup>1)</sup> For LV HRC fuse links, see [Catalog ET B1](#).

<sup>2)</sup> For 3NP50 60 with flat connectors, appropriate 3NY1 106 cable lug covers must be used to provide finger-safe cover, according to DIN VDE 0106 Part 100 (see ["Accessories"](#)).

<sup>3)</sup> According to DIN 46234 or 16 mm<sup>2</sup> ... 95 mm<sup>2</sup> according to DIN 46235 (use M10 cable lug if necessary).

<sup>4)</sup> According to DIN 46234 or DIN 46235; with cable lug to DIN 46235: min. conductor cross-section 16 mm<sup>2</sup> (use M12 cable lug if necessary).

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

**3NP5 for extended technical requirements  
with fuse monitoring**

For 40 mm busbar system

Rated uninter- rupted current $I_u$	Connection types (on both sides)		For LV HRC fuse links acc. to DIN 43620 <sup>1)</sup>	Auxiliary switch		DT	Degree of protection IP00, without fuse links, without isolating links, with terminal screws	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Connec- tion	For con- ductor cross- section		On switch discon- nector	On MSP/ circuit breaker						
A		mm <sup>2</sup>	Size	Version	Version		Order No.	Price per PU			kg

**Completely compartmentalized, with high speed closing feature  
with fuse monitoring by SIRIUS motor starter protector<sup>2)</sup>**

**Busbars with a width of 12 mm and thickness of 5 mm or 10 mm**

160	Flat connector	2.5 ... 150 <sup>3)</sup> Connection at bottom	00 and 000	1 NO + 1 NC	1 NO + 1 NC	A	<b>3NP50 65-1EF86</b>		1	1 unit	103	2.908
				1 NO + 1 NC	2 NO	B	<b>3NP50 65-1EF26</b>		1	1 unit	103	2.950
	Terminal clamp	1 conductor 2.5 ... 50 2 conductor 1× 2.5 ... 50 1× 2.5 ... 35 Connection at bottom	00 and 000	1 NO + 1 NC	1 NO + 1 NC	B	<b>3NP50 65-1EG86</b>		1	1 unit	103	3.020
				1 NO + 1 NC	2 NO	C	<b>3NP50 65-1EG26</b>		1	1 unit	103	2.973

<sup>1)</sup> LV HRC fuse links, see Catalog ET B1.

<sup>2)</sup> For accessories and more devices on busbar systems, see "Accessories" and "SIVACON Power Distribution Boards, Busway and Cubicle Systems", -> "Components for 8US, 8UC, 4NC Distribution Systems" -> "8US busbar systems".

<sup>3)</sup> According to DIN 46234 or 16 mm<sup>2</sup> ... 95 mm<sup>2</sup> according to DIN 46235 (use M10 cable lug if necessary).

For 60 mm busbar system

Note:

For switch versions "For installation in any distribution board" and busbar adapters see page 17/92.

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

3NP5 for extended technical requirements  
with fuse monitoring

With fuse monitoring by electronic fuse monitoring device

Surface mounting and installation

Rated uninterrupted current $I_u$	Connection types (on both sides)		For LV HRC fuse links acc. to DIN 43620 <sup>1)</sup>	Auxiliary switch		DT	Degree of protection IP00, without fuse links, without isolating links, with terminal screws	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Connection	For conductor cross-section		On switch disconnector	On fuse monitor						
A		mm <sup>2</sup>	Size	Version	Version		Order No.	Price per PU			kg

Completely compartmentalized, with high speed closing feature, with electronic fuse monitoring (self-powered), open-circuit principle

For rated operational voltages  $U_e$  from 400 V to 500 V AC, infeed must come from above!

With plug-in connection for connecting cables from auxiliary switches (approx. 1 m long) to the fuse monitoring device, status indicator: green LED illuminated, fault indication: green LED flashing, fuse failure: red LED (display per phase)



3NP50 60-0HA13

160	Flat connector <sup>2)</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	1 unit	103	2.375
	Terminal clamp	1 conductor: 2.5 ... 50 2 conductors: 1x 2.5 ... 50 1x 2.5 ... 35	00 and 000	1 NO + 1 NC	2 NO + 1 NC	B	<b>3NP50 60-0HB13</b>		1	1 unit	103	2.500



3NP52 60-0HA13

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	1 unit	103	5.865
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3NP53 60-0HA13

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	1 unit	103	6.951
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3NP54 60-0HA13

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	1 unit	103	8.513
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<sup>1)</sup> For LV HRC fuse links, see Catalog ET B1.

<sup>2)</sup> For 3NP50 60 with flat connectors, appropriate 3NY1 106 cable lug covers must be used to provide finger-safe cover, according to EN 61140 and EN 50274 (see "Accessories").

<sup>3)</sup> According to DIN 46234 or 16 mm<sup>2</sup> ... 95 mm<sup>2</sup> according to DIN 46235 (use M10 cable lug if necessary).

<sup>4)</sup> According to DIN 46234 or DIN 46235; with cable lug to DIN 46235: min. conductor cross-section 16 mm<sup>2</sup> (use M12 cable lug if necessary).

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

**3NP5 for extended technical requirements with fuse monitoring**

For 40 mm busbar system

Rated uninterrupted current $I_u$	Connection types (on both sides)		For LV HRC fuse links acc. to DIN 43620 <sup>1)</sup>	Auxiliary switch		DT	Degree of protection IP00, without fuse links, without isolating links, with terminal screws	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Connection	For conductor cross-section		On switch disconnector	On the fuse monitor						
A		mm <sup>2</sup>	Size	Version	Version		Order No.	Price per PU			kg

**Completely compartmentalized, with high speed closing features, with electronic fuse monitoring (self-powered), open-circuit principle**

**For rated operational voltages  $U_e$  from 400 V to 500 V AC, infeed must come from above!**

Busbars with a width of 12 mm and thickness of 5 mm or 10 mm



3NP50 65-1HF13

160	Flat connector	2.5 ... 120 <sup>2)</sup>	00 and 000	1 NO + 1 NC	2 NO + 1 NC	B	<b>3NP50 65-1HF13</b>		1	1 unit	103	2.776
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<sup>1)</sup> For LV HRC fuse links, see Catalog ET B1.

<sup>2)</sup> According to DIN 46234 or 16 mm<sup>2</sup> ... 95 mm<sup>2</sup> according to DIN 46235 (use M10 cable lug if necessary).

For 60 mm busbar system

Note:

For switch versions "For installation in any distribution board" and busbar adapters see page 17/92.

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

3NP5 for extended technical requirements  
Accessories

### Selection and ordering data

	For fuse switch disconnectors	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg		
<b>Fuse carriers</b>										
	3NP50 6-.C..0	B	<b>3NY1 074</b>			1	1 unit	103	0.620	
	3NP52 60-.C..0	B	<b>3NY1 371</b>			1	1 unit	103	0.263	
	3NP53 60-.C..0	B	<b>3NY1 372</b>			1	1 unit	103	1.510	
	3NP54 60-.C..0	B	<b>3NY1 373</b>			1	1 unit	103	1.690	
	With fuse monitoring by 3RV1 motor starter protectors (with auxiliary switch 1 NO + 1 NC), with plug-in connection, without connector and connecting cable	3NP50 6-.E..6 3NP52 60-.E..6 3NP53 60-.E..6 3NP54 60-.E..6	B B B B	<b>3NY1 420</b> <b>3NY1 421</b> <b>3NY1 422</b> <b>3NY1 423</b>			1 1 1 1	1 unit 1 unit 1 unit 1 unit	103 103 103 103	1.405 1.900 1.980 2.600
<b>Plugs and connecting cables</b>										
1 m long	3NP5 with 3RV1	B	<b>3NY1 910</b>			1	1 unit	103	0.097	
3 m long		B	<b>3NY1 911</b>			1	1 unit	103	0.261	
	With electronic fuse monitoring for 400 V ... 500 V (with auxiliary switch 2 NO + 1 NC), with plug-in connection, without connector and connecting cable	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 1 1 1	1 unit 1 unit 1 unit 1 unit	103 103 103 103	1.235 2.130 2.146 0.325	
	<b>Plugs and connecting cables (6-pole)</b>									
	3 m long	3NP5 with EFM	B	<b>3NY1 915</b>			1	1 unit	103	0.372
	<b>Auxiliary switches 1 NO + 1 NC</b>									
	With actuating cams, screws and washers (mounting kit)	3NP50 <sup>1)</sup>	B	<b>3NY3 033</b>		1	1 unit	103	0.015	
	With fixing bracket and screws (mounting kit)	3NP52 ... 3NP54	B	<b>3NY3 034</b>		1	1 unit	103	0.015	
	<b>Arc chutes</b>									
	(3 units each are required for 3NP52, 3NP53 and 3NP54)	3NP50 3NP52 3NP53, 3NP54	B B B	<b>3NY4 031</b> <b>3NY4 011</b> <b>3NY4 012</b>		1 1 1	1 unit 1 unit 1 unit	103 103 103	0.218 0.215 0.240	
	<b>Molded-plastic masking frames</b>									
	As replacement for masking frames from assembly kits for installation (without fixing brackets and small parts)	300 × 220 mm 300 × 245 mm 300 × 290 mm	3NY1 210 3NY1 211 3NY1 212	A A A	<b>3NY1 102</b> <b>3NY1 103</b> <b>3NY1 104</b>	1 1 1	1 unit 1 unit 1 unit	103 103 103	0.071 0.075 0.084	

<sup>1)</sup> If retrofitted, drill holes required.

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

**3NP5 for extended technical requirements**  
Accessories

*SITOR fuses for 3NP5 fuse switch disconnectors: assignment table*

For switch disconnectors			SITOR fuses				DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
Type	Permissible load current <sup>1)</sup>	Required conductor cross-section Cu	Size	Operational class	Rated current	Rated voltage <sup>2)</sup>								
	A	mm <sup>2</sup>			A	V								
<b>SITOR 3NE1 fuses for 3NP5</b>														
3NP50	16	1.5	000	gR/gS	16	690	▶	<b>3NE1 813-0</b>		1	3 units	047	0.127	
	20	2.5	000	gR/gS	20	690	▶	<b>3NE1 814-0</b>		1	3 units	047	0.128	
	25	4	000	gR/gS	25	690	▶	<b>3NE1 815-0</b>		1	3 units	047	0.127	
	35	6	000	gR/gS	35	690	▶	<b>3NE1 803-0</b>		1	3 units	047	0.128	
	40	10	000	gR/gS	40	690	▶	<b>3NE1 802-0</b>		1	3 units	047	0.127	
	50	10	000	gR/gS	50	690	▶	<b>3NE1 817-0</b>		1	3 units	047	0.128	
	63	16	000	gR/gS	63	690	▶	<b>3NE1 818-0</b>		1	3 units	047	0.128	
	80	25	000	gR/gS	80	690	▶	<b>3NE1 820-0</b>		1	3 units	047	0.129	
	100	35	00	gR/gS	100	690	▶	<b>3NE1 021-0</b>		1	3 units	047	0.202	
	125	50	00	gRgS	125	690	▶	<b>3NE1 022-0</b>		1	3 units	047	0.202	
	125	50	00	gR	125	690	A	<b>3NE1 022-2</b>		1	3 units	047	0.203	
	3NP52	160	70	1	gR/gS	160	690	▶	<b>3NE1 224-0</b>		1	3 units	047	0.580
160		70	1	gR	160	690	A	<b>3NE1 224-2</b>		1	3 units	047	0.613	
200		95	1	gR/gS	200	690	▶	<b>3NE1 225-0</b>		1	3 units	047	0.582	
200		95	1	gR	200	690	A	<b>3NE1 225-2</b>		1	3 units	047	0.612	
250		120	1	gR/gS	250	690	▶	<b>3NE1 227-0</b>		1	3 units	047	0.580	
250		120	1	gR	250	690	A	<b>3NE1 227-2</b>		1	3 units	047	0.626	
3NP53	315	2 × 70	2	gR/gS	315	690	A	<b>3NE1 230-0</b>		1	3 units	047	0.581	
	315	2 × 70	2	gR	315	690	A	<b>3NE1 230-2</b>		1	3 units	047	0.615	
	350	2 × 95	2	gR/gS	350	690	▶	<b>3NE1 331-0</b>		1	3 units	047	0.766	
	350	2 × 95	2	gR	350	690	A	<b>3NE1 331-2</b>		1	3 units	047	0.754	
	400	2 × 95	2	gR/gS	400	690	▶	<b>3NE1 332-0</b>		1	3 units	047	0.743	
3NP54	450	2 × 120	2	gR/gS	450	690	A	<b>3NE1 333-0</b>		1	3 units	047	0.760	
	450	2 × 120	2	gR	450	690	A	<b>3NE1 333-2</b>		1	3 units	047	0.768	
	500	2 × 120	2	gR/gS	500	690	A	<b>3NE1 334-0</b>		1	3 units	047	0.766	
	560	2 × 150	3	gR/gS	560	690	A	<b>3NE1 435-0</b>		1	3 units	047	1.111	
	560	2 × 150	3	gR	560	690	A	<b>3NE1 435-2</b>		1	3 units	047	1.149	
	630	2 × 185	3	gR/gS	630	690	A	<b>3NE1 436-0</b>		1	3 units	047	1.114	
	625	2 × 185	3	gR	630	690	A	<b>3NE1 436-2</b>		1	3 units	047	1.179	
	710	2 × (40 × 5)	3	gR/gS	710	690	A	<b>3NE1 437-0</b>		1	3 units	047	1.117	
	690	2 × (40 × 5)	3	gR	690	600	D	<b>3NE1 437-1</b>		1	3 units	047	1.120	
	685	2 × (40 × 5)	3	gR	710	600	B	<b>3NE1 437-2</b>		1	3 units	047	1.153	
	800	2 × (50 × 5)	3	gR/gS	800	690	A	<b>3NE1 438-0</b>		1	3 units	047	1.124	
	750	2 × (50 × 5)	3	gR	750	600	B	<b>3NE1 438-1</b>		1	3 units	047	1.113	
	720	2 × (50 × 5)	3	gR	800	600	A	<b>3NE1 438-2</b>		1	3 units	047	1.184	
	655	2 × (40 × 5)	3	gR	670	690	A	<b>3NE1 447-2</b>		1	3 units	047	1.170	
	820	2 × (40 × 8)	3	gR	850	690	A	<b>3NE1 438-2</b>		1	3 units	047	1.184	
	<b>SITOR 3NE3 ... 3NE8, 3NC2 to 3NC8 fuses for 3NP5</b>													
3NP50	25	4	00	gR	25	690	▶	<b>3NE8 015-1</b>		1	3 units	047	0.205	
	33	6	00	gR	35	690	▶	<b>3NE8 003-1</b>		1	3 units	047	0.204	
	45	10	00	gR	50	690	▶	<b>3NE8 017-1</b>		1	3 units	047	0.203	
	54	16	00	gR	63	690	▶	<b>3NE8 018-1</b>		1	3 units	047	0.205	
	68	25	00	aR	80	690	▶	<b>3NE8 020-1</b>		1	3 units	047	0.203	
	89	35	00	aR	100	690	▶	<b>3NE8 021-1</b>		1	3 units	047	0.205	
	106	50	00	aR	125	690	▶	<b>3NE8 022-1</b>		1	3 units	047	0.213	
	130	70	00	aR	160	690	▶	<b>3NE8 024-1</b>		1	3 units	047	0.207	
	3NP52 <sup>3)</sup>	32	6	0	gR	32	1000	▶	<b>3NE4 101</b>		1	3 units	047	0.278
		40	10	0	gR	40	1000	▶	<b>3NE4 102</b>		1	3 units	047	0.277
50		10	0	gR	50	1000	▶	<b>3NE4 117</b>		1	3 units	047	0.276	
63		16	0	gR	63	1000	▶	<b>3NE4 118</b>		1	3 units	047	0.279	
80		25	0	aR	80	1000	▶	<b>3NE4 120</b>		1	3 units	047	0.276	
95		35	0	aR	100	1000	▶	<b>3NE4 121</b>		1	3 units	047	0.278	
120		50	0	aR	125	1000	▶	<b>3NE4 122</b>		1	3 units	047	0.279	
150		70	0	aR	160	1000	▶	<b>3NE4 124</b>		1	3 units	047	0.279	
3NP53		100	35	1	aR	100	1000	A	<b>3NE3 221</b>		1	3 units	047	0.580
		120	50	1	aR	125	1000	A	<b>3NE3 222</b>		1	3 units	047	0.568
	150	70	1	aR	160	1000	▶	<b>3NE3 224</b>		1	3 units	047	0.573	
	190	95	1	aR	200	1000	▶	<b>3NE3 225</b>		1	3 units	047	0.570	
	230	120	1	aR	250	1000	▶	<b>3NE3 227</b>		1	3 units	047	0.580	
	285	185	1	aR	315	1000	▶	<b>3NE3 230-0B</b>		1	3 units	047	0.585	
	310	240	1	aR	350	1000	A	<b>3NE3 231</b>		1	3 units	047	0.590	
	330	240	1	aR	400	1000	A	<b>3NE3 232-0B</b>		1	3 units	047	0.576	
	360	2 × 150	1	aR	450	1000	▶	<b>3NE3 233</b>		1	3 units	047	0.720	
	210	120	2	aR	250	800	▶	<b>3NE4 327-0B</b>		1	3 units	047	0.753	
	270	240	2	aR	315	800	▶	<b>3NE4 330-0B</b>		1	3 units	047	0.760	
	400	2 × (30 × 5)	2	aR	450	800	▶	<b>3NE4 333-0B</b>		1	3 units	047	0.760	

<sup>1)</sup> In the case of cyclic loads, the currents may have to be reduced again (precise values on request).

<sup>2)</sup> When maintaining overvoltage category 2 (instead of 3) and degree of pollution 2 (instead of 3) to EN 60947-1, the rated insulation voltage of the 3NP fuse switch disconnector is also  $U_i = 1000$  V.

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

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

3NP5 for extended technical requirements  
Accessories

For switch disconnectors			SITOR fuses				DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Type	Permissible load current <sup>1)</sup>	Required conductor cross-section Cu	Size	Operational class	Rated current	Rated voltage <sup>2)</sup>							
	A	mm <sup>2</sup>			A	V							kg
3NP54	360	240	2	aR	400	1000	A	<b>3NE3 332-0B</b>		1	3 units	047	0.759
	400	2 x 150	2	aR	450	1000	A	<b>3NE3 333</b>		1	3 units	047	0.748
	450	2 x 150	2	aR	500	1000	▶	<b>3NE3 334-0B</b>		1	3 units	047	0.753
	510	2 x 185	2	aR	560	1000	▶	<b>3NE3 335</b>		1	3 units	047	0.756
	580	2 x 185	2	aR	630	1000	▶	<b>3NE3 336</b>		1	3 units	047	0.760
	630	2 x 200	2	aR	710	900	▶	<b>3NE3 337-8</b>		1	3 units	047	0.762
	630	2 x 200	2	aR	800	800	▶	<b>3NE3 338-8</b>		1	3 units	047	0.764
	630	2 x 200	2	aR	900	690	▶	<b>3NE3 340-8</b>		1	3 units	047	0.753
	450	2 x (30 x 5)	2	aR	500	800	▶	<b>3NE4 334-0B</b>		1	3 units	047	0.754
	600	2 x (40 x 5)	2	aR	710	800	▶	<b>3NE4 337</b>		1	3 units	047	0.771
	145	70	3	gR	150	500	B	<b>3NC2 423-3C</b>		1	3 units	047	0.940
	180	95	3	gR	200	500	B	<b>3NC2 425-3</b>		1	3 units	047	1.057
	225	120	3	gR	250	500	B	<b>3NC2 427-3</b>		1	3 units	047	1.066
	255	185	3	gR	300	500	B	<b>3NC2 428-3</b>		1	3 units	047	1.078
	330	240	3	gR	350	500	B	<b>3NC2 431-3C</b>		1	3 units	047	0.940
	400	240	3	gR	400	500	B	<b>3NC2 432-3C</b>		1	3 units	047	0.940
	135	70	3	gR	150	660	B	<b>3NC8 423-3</b>		1	3 units	047	1.062
	180	95	3	gR	200	660	B	<b>3NC8 425-3</b>		1	3 units	047	1.063
	225	120	3	gR	250	660	B	<b>3NC8 427-3</b>		1	3 units	047	1.069
	300	240	3	gR	350	660	B	<b>3NC8 431-3</b>		1	3 units	047	1.072
	425	2 x 150	3	gR	500	660	B	<b>3NC8 434-3</b>		1	3 units	047	1.069
	800	3 x (60 x 6)	3	aR	1000	600	C	<b>3NC8 444-3</b>		1	3 units	047	1.085

<sup>1)</sup> In the case of cyclic loads, the currents may have to be reduced again (precise values on request).

<sup>2)</sup> When maintaining overvoltage category 2 (instead of 3) and degree of pollution 2 (instead of 3) to EN 60947-1, the rated insulation voltage of the 3NP fuse switch disconnector is also  $U_i = 1000$  V.

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







For technical specifications and dimensional drawings of the SITOR fuses see [Catalog ET B1](#).

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NP Fuse Switch Disconnectors up to 630 A

3NP5 for extended technical requirements  
Assembly kits for distribution boards

### Selection and ordering data

	For fuse switch disconnectors	Dimensions mm	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
<b>For installation in any distribution board</b>										
<b>Molded-plastic masking frames</b>										
		Height × Width								
	For installation in the cabinet	3NP50 with and without auxiliary switch	215 × 135	A	<b>3NY1 105</b>		1	1 unit	103	0.045
		With auxiliary switch	215 × 135	A	<b>3NY1 115</b>		1	1 unit	103	0.044
	For installation in metal front plates	With and without auxiliary switch	220 × 160	A	<b>3NY1 125</b>		1	1 unit	103	0.062
	For covering the connection terminals	3NP50 with and without auxiliary switch	265 × 135	A	<b>3NY1 107</b>		1	1 unit	103	0.073
	For covering the cable lug connections	3NP50 with and without auxiliary switch	290 × 135	A	<b>3NY1 106</b>		1	1 unit	103	0.071
	For separate covering of the upper and lower cable lug connections	With auxiliary switch	290 × 135	A	<b>3NY1 116</b>		1	1 unit	103	0.071
		3NP50 with and without auxiliary switch	290 × 135	A	<b>3NY1 108</b>		1	1 unit	103	0.048
<b>Assembly kits for flush mounting</b>										
	With molded-plastic masking frame, fixing brackets and small parts. For disconnectors with and without auxiliary switches	3NP50 60	250 × 149	B	<b>3NY1 208</b>		1	1 unit	103	0.531
		3NP52 60	300 × 220	B	<b>3NY1 210</b>		1	1 unit	103	0.287
		3NP53 60	300 × 245	B	<b>3NY1 211</b>		1	1 unit	103	0.298
		3NP54 60	300 × 290	B	<b>3NY1 212</b>		1	1 unit	103	0.313
<b>Covers for cable lug connections</b>										
	(1 set = 6 units) can be screwed onto free screw end to protect against accidental touch	3NP52	99	A	<b>3NY1 241</b>		1	1 unit	103	0.205
		3NP53/3NP54	95	B	<b>3TX6 546-3B</b>		1	1 unit	101	0.260
			120	B	<b>3NY1 245</b>		1	1 unit	103	0.336
										
<b>Clamp terminals</b>										
	(1 set = 3 units)		Conductor cross-section							
		3NP50	2.5 ... 50 mm <sup>2</sup> 1)	B	<b>3NY1 903</b>		1	1 unit	103	0.108
		3NP52	35 ... 120 mm <sup>2</sup>	B	<b>3NY1 907</b>		1	1 unit	103	0.225
										
<b>Busbar adapters</b>										
	For 60 mm busbar system	3NP50	108	A	<b>8US12 91-4SB00</b>		1	1 unit	143	0.551
		3NP52, 3NP53, 3NP54 <sup>2)</sup>	250 (length 320 mm, M10 terminal screws, connecting cables must be manufactured)	A	<b>8US12 10-4AG00</b>		1	1 unit	143	3.060
<b>Sealing lugs</b>										
	Retrofittable (1 pack = 10 units)	3NP50		B	<b>3NY1 940</b>		1	1 unit	103	0.010

<sup>1)</sup> Also available in 2-wire version: 1 × 2.5 mm<sup>2</sup> ... 50 mm<sup>2</sup> and 1 × 2.5 mm<sup>2</sup> ... 35 mm<sup>2</sup>.

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

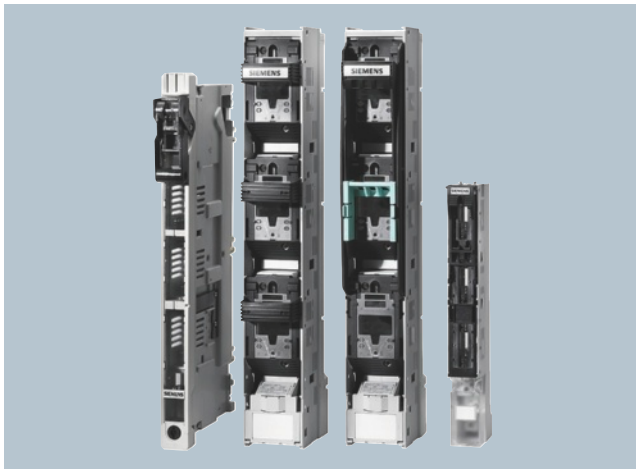


# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NJ4, 3NJ5 In-Line Fuse Switch Disconnectors up to 1250 A

General data

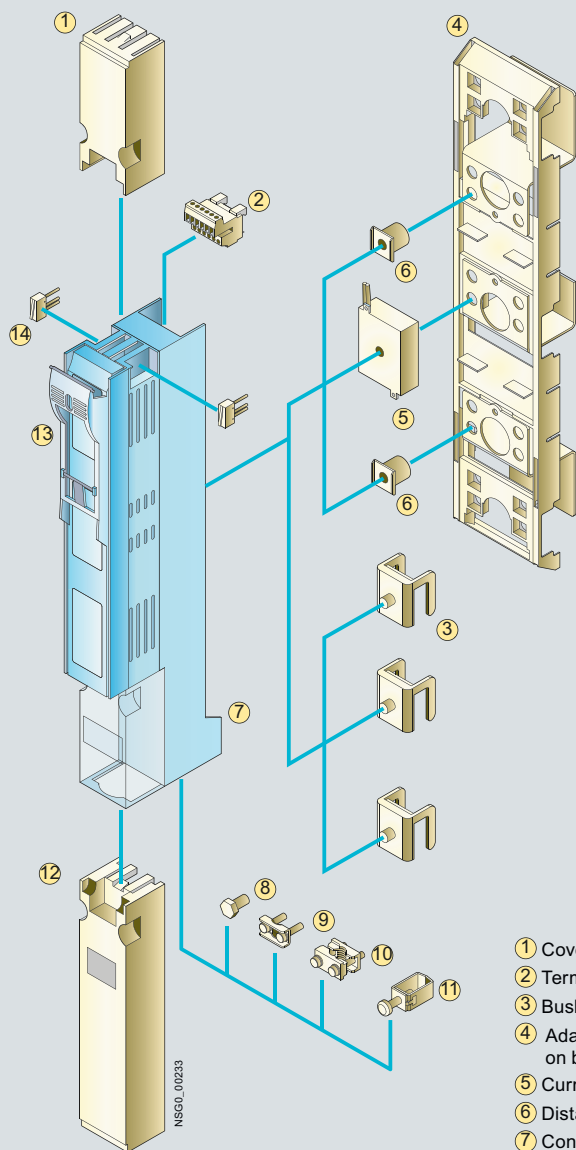
## Overview



3NJ4 fuse switch disconnector

*All key product features at a glance*

- Compliant with IEC/EN 60439-1, IEC/EN 60947-3
- Voltage levels up to 690 V AC
- Rated operational current from 160 A to 1250 A
- Fuse links according to DIN 43620 Part 1 can be used – nickel-plated fuse blades are not permissible due to the high transfer resistance
- In open position safe from touch by the back of the hand (exception 3NJ56: IP00)
- Parking position for maintenance
- 1-pole or 3-pole switchable
- Vertical and horizontal mounting position
- Climate-proof
- Degree of protection IP30 with closed fuse carriers, IP10 with open fuse carriers (exception 3NJ56: IP00)

*Overview of all components and accessory parts: 3NJ4/3NJ5 in size 00*

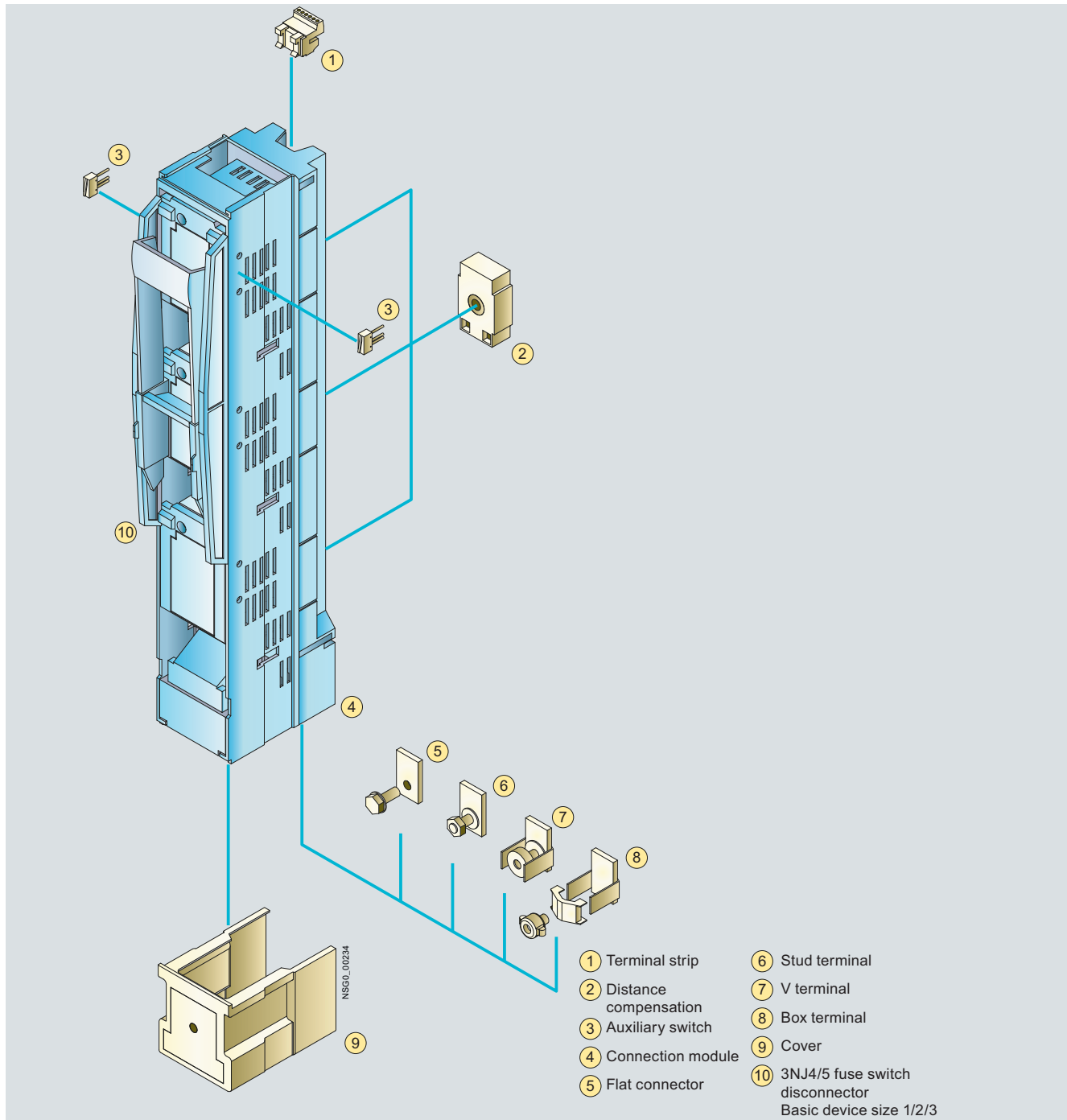
- |  |  |
|--|--|
| ① Cover                                      | ⑨ Saddle terminal                                      |
| ② Terminal strip                             | ⑩ Prism terminal                                       |
| ③ Busbar terminal                            | ⑪ Box terminal   |
| ④ Adapter for screw fixing on busbar systems | ⑫ Cover  |
| ⑤ Current transformer                        | ⑬ 3NJ4/5 fuse switch disconnector Basic device size 00 |
| ⑥ Distance compensation                      | ⑭ Auxiliary switch mounting kit                        |
| ⑦ Connection module                          |  |
| ⑧ Flat connector                             |  |

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NJ4, 3NJ5 In-Line Fuse Switch Disconnectors up to 1250 A

### General data

Overview of all components and accessory parts: 3NJ4/3NJ5 in sizes 1 to 3



### Benefits

#### Parking position

For maintenance purposes, for example, the carriers of the single-pole in-line fuse switch disconnectors of sizes 1 to 3 and the 3-pole in-line fuse switch disconnectors of size 00 can be mounted after being turned by 180° (fuse facing outwards).

This results in the following advantages:

- Visible disconnection point
- Depot for fuse links (parking position)
- No opportunity for mistakes on replacing the fuse links
- Additional touch protection in the vicinity of the lyre-shaped contacts

### Application

SENTRON 3NJ41 and 3NJ56 single-pole and 3-pole in-line fuse switch disconnectors are designed for installation in low-voltage distribution boards, substations and cable distribution cabinets.

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NJ4, 3NJ5 In-Line Fuse Switch Disconnectors up to 1250 A

1-pole switchable

## Selection and ordering data

Rated operational current $I_e$ For fuse links according to DIN 43620	Center-to-center spacing	Connection type (terminal screws/ clamp-type terminals included in the scope of supply) <sup>1)</sup> optionally top or bottom (rotatable!)	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
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## In-line fuse switch disconnectors, 1-pole switchable



3NJ41 21-3BF01

160	00 and 000	185	M8 flat connector	D	<b>3NJ50 13-0BD00</b>		1	1 unit	143	2.561
250	1	185	M10 flat connector	A	<b>3NJ41 21-3BF01</b>		1	1 unit	143	5.284
400	2 and 1	185	M12 flat connector	A	<b>3NJ41 31-3BF01</b>		1	1 unit	143	5.363
630	3 and 2	185	M12 flat connector	D	<b>3NJ41 41-3BF01</b>		1	1 unit	143	6.098
1250	4a	185	M16 × 60 stud terminal	A	<b>3NJ56 43-0BB00</b>		1	1 unit	143	23.608

## In-line fuse switch disconnectors, 1-pole switchable, for integratable current transformers



3NJ41 21-3BF11

250	1	185	M10 flat connector	D	<b>3NJ41 21-3BF11</b>		1	1 unit	143	5.690
400	2 and 1	185	M12 flat connector	D	<b>3NJ41 31-3BF11</b>		1	1 unit	143	5.720
630	3 and 2	185	M12 flat connector	D	<b>3NJ41 41-3BF11</b>		1	1 unit	143	6.680



<sup>1)</sup> Fixing screws for mounting on busbars must be ordered separately.

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NJ4, 3NJ5 In-Line Fuse Switch Disconnectors up to 1250 A

3-pole switchable

## Selection and ordering data

Rated operational current $I_e$ For fuse links acc. to DIN 43620	Center- to-center spacing	Connection type (terminal screws/ clamp- type terminals included in the scope of supply) <sup>1)</sup> optionally top or bottom (rotatable!)	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
										A
<b>In-line fuse switch disconnectors, 3-pole switchable</b>										
	160	00 and 000	100	M8 flat connector	▶	<b>3NJ41 03-3BF02</b>	1	1 unit	143	1.400
				F70 box terminal	A	<b>3NJ41 03-3BR02</b>	1	1 unit	143	1.479
	160	00 and 000	185	M8 flat connector	D	<b>3NJ50 33-0BD00</b>	1	1 unit	143	2.608
	250	1	185	M10 flat connector	▶	<b>3NJ41 23-3BF01</b>	1	1 unit	143	5.481
				M12 stud terminal	A	<b>3NJ41 23-3BJ01</b>	1	1 unit	143	5.512
				V terminal	A	<b>3NJ41 23-3BT01</b>	1	1 unit	143	5.908
	400	2 and 1	185	M12 flat connector	▶	<b>3NJ41 33-3BF01</b>	1	1 unit	143	5.540
				M12 stud terminal	A	<b>3NJ41 33-3BJ01</b>	1	1 unit	143	5.580
				V terminal	A	<b>3NJ41 33-3BT01</b>	1	1 unit	143	5.899
	630	3 and 2	185	M12 flat connector	▶	<b>3NJ41 43-3BF01</b>	1	1 unit	143	6.426
			M12 stud terminal	A	<b>3NJ41 43-3BJ01</b>	1	1 unit	143	6.321	
			V terminal	A	<b>3NJ41 43-3BT01</b>	1	1 unit	143	6.675	
<b>In-line fuse switch disconnectors, 3-pole switchable, for integratable current transformers</b>										
	160	00 and 000	100	M8 flat connector	▶	<b>3NJ41 03-3BF12</b>	1	1 unit	143	1.140
	250	1	185	M10 flat connector	▶	<b>3NJ41 23-3BF11</b>	1	1 unit	143	5.890
	400	2 and 1	185	M12 flat connector	▶	<b>3NJ41 33-3BF11</b>	1	1 unit	143	5.910
	630	3 and 2	185	M12 flat connector	▶	<b>3NJ41 43-3BF11</b>	1	1 unit	143	6.870
<b>In-line infeed blocks, 3-pole switchable, flat connectors 2 × M12</b>										
1000	3	185	For infeed from cable directly to busbars, with built-in isolating links <sup>2)</sup> , corresponds to block size 3	D	<b>3NJ41 53-5BD01</b>	1	1 unit	143	11.030	
910	3	185	For infeed from 630 kVA transformer to busbar system; For special fuses, for transformer protection (see "Accessories")	D	<b>3NJ41 83-3BF01</b>	1	1 unit	143	12.943	

<sup>1)</sup> Fixing screws for mounting on busbars must be ordered separately.








<sup>2)</sup> Retrospective exchange with fuse links of size 3 is possible. Thereby reduction of the rated current to 630 A.

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NJ4, 3NJ5 In-Line Fuse Switch Disconnectors up to 1250 A

Accessories

## Selection and ordering data

	For fuse switch disconnectors or dimensions	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
	<b>Covers</b> Size 00 Additional touch protection with use of cable lugs	3NJ50 33	A	<b>3NJ49 12-1FA02</b>		1	1 unit	143	0.090
	<b>Covers<sup>1)</sup></b> Size 1 to 3 Additional touch protection with use of cable lugs or connection from above	3NJ41 2 to 3NJ41 4, 3NJ41 5, 3NJ41 8	▶	<b>3NJ49 12-1AA01</b>		1	1 unit	143	0.103
33NJ49 12-1AA01									
	<b>Covers size 3</b> For double blocks	3NJ41 4	A	<b>3NJ49 12-1EA00</b>		1	1 unit	143	0.200
3NJ49 12-1EA00									
	<b>Covers size 00</b> (can also be used as <b>masking frame</b> )  Top and bottom (1 set = 2 units: short and long <sup>2)</sup> ) for covering of extended cable lugs and for combining 3NJ41 03 with 3NJ41 2 to 3NJ41 4 in-line disconnectors	3NJ41 03	A	<b>3NJ49 12-1DA02</b>		1	1 unit	143	0.005
3NJ49 12-1DA02									
	<b>Blanking covers</b> For panel cutout	50 mm wide	A	<b>3NJ49 12-2AA00</b>		1	1 unit	143	0.189
3NJ49 12-2AA01									
	According to the size of the switch disconnectors: sizes 1 to 3 (for fitting in the cutout of the control panels)	100 mm wide	A	<b>3NJ49 12-2BA00</b>		1	1 unit	143	0.215
3NJ49 12-2BA00									
	For 3NJ41 03	50 mm wide	A	<b>3NJ49 12-2CA00</b>		1	1 unit	143	0.090
3NJ49 12-2CA01									
	<b>Fixing clips</b> (1 set = 4 units, including fixing accessories) 2 units per side, for fixing the cover of the control panel front	3NJ41	A	<b>3NJ49 18-0AA00</b>		1	1 unit	143	0.130
3NJ49 18-0AAA00									





<sup>1)</sup> With cable lugs and connection from above, the terminal cover can be extended by connecting two units together.

<sup>2)</sup> Can be shortened (in exchange for short cover, included in the scope of supply of the in-line disconnector).

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NJ4, 3NJ5 In-Line Fuse Switch Disconnectors up to 1250 A

### Accessories

	For fuse switch disconnectors	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
	<b>Blanking covers for busbars</b>								
	To be fitted directly in the drilled holes of the busbars								
	①	Busbar center-to-center spacing 185 mm	50 mm wide	A	<b>3NJ49 12-3AA00</b>	1	1 unit	143	0.148
②	Busbar center-to-center spacing 185 mm	100 mm wide	A	<b>3NJ49 12-3BA01</b>	1	1 unit	143	0.148	
③	Busbar center-to-center spacing 100 mm (Also for covering a blank space on 3NJ49 18-0DA02 or 3NJ59 30-3BB)	50 mm wide	A	<b>3NJ49 12-3CA00</b>	1	1 unit	143	0.372	
	<b>Adapters for screw fixing on busbar systems</b>								
	• For fitting of two 3NJ41 03 fuse switch disconnectors (= 1 holder) onto a busbar system with 185 mm center-to-center spacing (including adaptation of the installation depth to that of the 3NJ41 2 to 3NJ41 4 fuse switch disconnectors)		3NJ41 03	A	<b>3NJ49 18-0DA02</b>	1	1 unit	143	0.751
	• For fitting two 3NJ50 13 fuse switch disconnectors (= 1 holder) (to adapt the overall depth of sizes 1 to 3)		3NJ50 13	C	<b>3NJ59 30-3BB</b>	1	1 unit	143	0.675
3NJ49 18-0DA02	• For fitting one 3NJ41 03 fuse switch disconnectors (= 3 separate brackets) onto a busbar system with 60 mm center-to-center spacing		3NJ41 03	A	<b>3NJ49 18-0EA00</b>	1	1 unit	143	0.232
	<b>Adapters with busbar terminals</b>		3NJ41 03	C	<b>3NJ49 18-0DB02</b>	1	1 unit	143	0.751
	For fitting two 3NJ41 03 fuse switch disconnectors (= 1 holder) onto a busbar system with 185 mm center-to-center spacing (including adaptation of the overall depth to the 3NJ41 2 to 3NJ41 4 fuse switch disconnectors)								
3NJ49 18-0EA00	<b>Fixing screws (1 set = 3 items)</b>		3NJ41 03	A	<b>3NJ49 18-0DC02</b>	1	1 unit	143	0.190
For fitting 3NJ41 03 switch disconnectors with integratable current transformers onto adapters									
	<b>Busbar supports</b>		3NJ41 and 3NJ5	▶	<b>3NJ59 74-0AB</b>	1	1 unit	143	0.463
	For 100 mm and 185 mm center-to-center spacing, for screwing on of busbars								
3NJ59 74-0AB	<b>Grounding kits with connecting cable 25 mm<sup>2</sup></b>		3NJ414 to 3NJ418 C		<b>3NJ49 10-1AA00</b>	1	1 unit	143	4.200
3NJ49 10-1AA00	<b>Busbar terminals</b>		3NJ41 03	▶	<b>3NJ49 11-3AA00</b>	1	1 unit	143	0.176
3NJ49 11-3AA00	(1 set = 3 units) For rapid mounting of the in-line disconnectors onto the busbars		3NJ41 2 to 3NJ41 4	▶	<b>3NJ49 11-3BA01</b>	1	1 unit	143	0.607
3NJ49 11-3BA01									

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

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NJ4, 3NJ5 In-Line Fuse Switch Disconnectors up to 1250 A

### Accessories




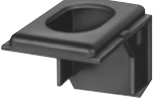



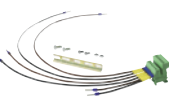
	For fuse switch disconnectors	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
 3NJ49 11-4AA00	<b>Saddle terminals</b> (1 set = 3 units) Copper terminal 1.5 mm <sup>2</sup> to 70 mm <sup>2</sup>	3NJ41 03	A	<b>3NJ49 11-4AA00</b>		1	1 unit	143	0.041
 3NJ49 11-1AA00	<b>Prism terminal assembly kits</b> (1 set = 3 units) Aluminum/copper terminal 10 mm <sup>2</sup> to 70 mm <sup>2</sup>	3NJ41 03	D	<b>3NJ49 11-1AA00</b>		1	1 unit	143	0.098
 3NJ4911-2BQ00	<b>Box terminal assembly kits</b> (1 set = 3 units) Aluminum/copper terminal 95 mm <sup>2</sup> to 240 mm <sup>2</sup> (for connection to version with flat connector)	3NJ41 2 to 3NJ41 4	D	<b>3NJ49 11-2BQ00</b>		1	1 unit	143	0.949
 3NJ49 11-5AA00	<b>Connection assembly kits for LV HRC 1, 2, 3 with flat connector</b> 2 x 240 mm <sup>2</sup>	3NJ41 2 to 3NJ41 4	A	<b>3NJ49 11-5AA00</b>		1	1 unit	143	0.500
 3NJ49 11-5BA00	2 x 300 mm <sup>2</sup> /3x 120 mm <sup>2</sup>	3NJ41 2 to 3NJ41 4	A	<b>3NJ49 11-5BA00</b>		1	1 unit	143	1.700
 3NJ49 11-5CA00	1 x 400 mm <sup>2</sup>	3NJ41 2 to 3NJ41 4	A	<b>3NJ49 11-5CA00</b>		1	1 unit	143	1.800
 3NJ49 11-6AA00	<b>Connection assembly kits for LV HRC 3 as double in-line blocks</b> 3 x 300 mm <sup>2</sup> /4 x 185 mm <sup>2</sup>	3NJ41 4	A	<b>3NJ49 11-6AA00</b>		1	1 unit	143	2.800
 3NJ49 11-6BA00	4 x 240 mm <sup>2</sup>	3NJ41 4	A	<b>3NJ49 11-6BA00</b>		1	1 unit	143	3.800

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

# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NJ4, 3NJ5 In-Line Fuse Switch Disconnectors up to 1250 A

### Accessories




	For fuse switch disconnectors	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
 3NJ49 11-6BA00	<b>Mechanical couplings of operating handles</b>	3NJ41 4	A	<b>3NJ49 11-6CA00</b>		1	1 unit	143 0.150
 3NJ49 13-6AA02	<b>Auxiliary switch mounting kits</b> For sizes 1 to 3 with connecting cables, for 3-pole switchable switch disconnectors only	3NJ41 03 3NJ41 2 to 3NJ41 4	D A	<b>3NJ49 13-0AA02</b> <b>3NJ49 13-1AA01</b>		1 1	1 unit 1 unit	143 0.005 143 0.029
 3NJ49 14-8BA00	<b>Fuses 630 kVA 909 A Size LV HRC 3</b> Specially for the protection of transformers (minimum order quantity 3 units)	3NJ41 8	D	<b>3NJ49 14-8AA00</b>		1	1 unit	143 1.341
 3NJ49 18-1AA00	<b>Isolating links</b> Size LV HRC 3, 1250 A		A	<b>3NJ49 14-8BA00</b>		1	1 unit	143 0.800
 3NJ49 15-1BA00	<b>Mounting hooks</b> (one per in-line disconnecter required)		A	<b>3NJ49 18-1AA00</b>		1	1 unit	143 0.120
 3NJ49 15-2BA00	<b>Distance compensation</b> For fuse switch disconnectors, with integratable current transformers if no current transformer is built in.	3NJ41 03 3NJ4103, 3NJ412 to 3NJ414	▶ ▶	<b>3NJ49 15-1BA00</b> <b>3NJ49 15-2BA00</b>		1 1	1 unit 1 unit	143 0.020 143 0.095
 3NJ49 15-1CA00	<b>Terminal strips</b>	3NJ41 03 3NJ41 2 to 3NJ41 4	▶ ▶	<b>3NJ49 15-1CA00</b> <b>3NJ49 15-2CA00</b>		1 1	1 unit 1 unit	143 0.030 143 0.110
 3NJ49 15-2CA00								



# 3NP, 3NJ4, 3NJ5 Fuse Switch Disconnectors

## 3NJ4, 3NJ5 In-Line Fuse Switch Disconnectors up to 1250 A

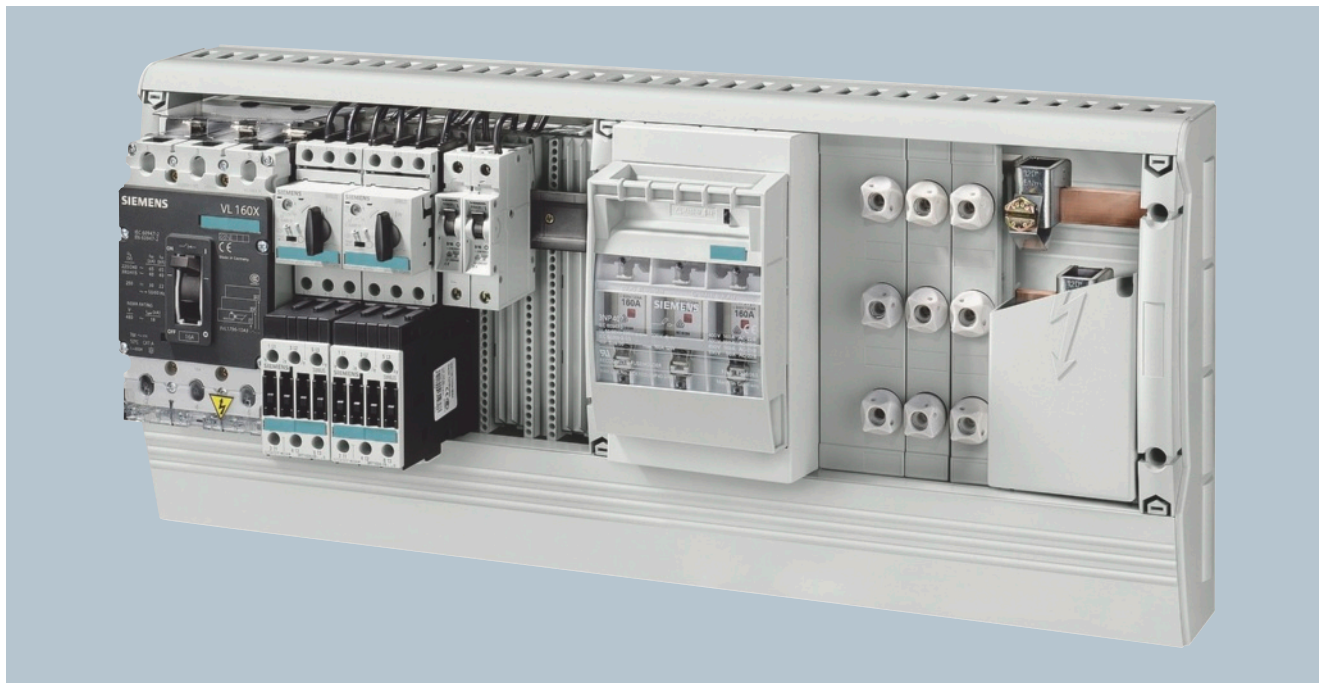
## Accessories

	For fuse switch disconnectors	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg		
<b>Current transformers .../1 A</b>										
 3NJ49 15-1FB20	100/1 A, Cl. 0.5, 1.5 VA		3NJ41 03		D	<b>3NJ49 15-1EA10</b>	1	1 unit	143	0.250
	100/1 A, Cl. 1, 2.0 VA		3NJ41 03		C	<b>3NJ49 15-1EA20</b>	1	1 unit	143	0.250
	150/1 A, Cl. 0.5, 2.5 VA		3NJ41 03		D	<b>3NJ49 15-1FA10</b>	1	1 unit	143	0.250
	150/1 A, Cl. 0.5 calibrated, 2.5 VA		3NJ41 03		D	<b>3NJ49 15-1FA11</b>	1	1 unit	143	0.250
	150/1 A, Cl. 1, 3.0 VA		3NJ41 03		▶	<b>3NJ49 15-1FA20</b>	1	1 unit	143	0.250
	75/1 A, Cl. 1, 1.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2DA20</b>	1	1 unit	143	0.190
	100/1 A, Cl. 0.5, 1.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2EA10</b>	1	1 unit	143	0.190
	100/1 A, Cl. 1, 2.0 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2EA20</b>	1	1 unit	143	0.190
	150/1 A, Cl. 0.5, 2.5 VA		3NJ41 2 to 3NJ41 4		C	<b>3NJ49 15-2FA10</b>	1	1 unit	143	0.190
	150/1 A, Cl. 1, 2.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2FA20</b>	1	1 unit	143	0.190
	250/1 A, Cl. 0.5, 2.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2GA10</b>	1	1 unit	143	0.190
	250/1 A, Cl. 0.5 calibrated, 2.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2GA11</b>	1	1 unit	143	0.190
	250/1 A, Cl. 1, 5.0 VA		3NJ41 2 to 3NJ41 4		▶	<b>3NJ49 15-2GA20</b>	1	1 unit	143	0.190
	400/1 A, Cl. 0.5, 2.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2HA10</b>	1	1 unit	143	0.190
	400/1 A, Cl. 0.5 calibrated, 2.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2HA11</b>	1	1 unit	143	0.190
	400/1 A, Cl. 1, 5.0 VA		3NJ41 2 to 3NJ41 4		▶	<b>3NJ49 15-2HA20</b>	1	1 unit	143	0.190
	500/1 A, Cl. 0.5, 2.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2JA10</b>	1	1 unit	143	0.190
	500/1 A, Cl. 1, 5.0 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2JA20</b>	1	1 unit	143	0.190
	600/1 A, Cl. 0.5, 2.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2KA10</b>	1	1 unit	143	0.190
	600/1 A, Cl. 0.5 calibrated, 2.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2KA11</b>	1	1 unit	143	0.190
600/1 A, Cl. 1, 5.0 VA		3NJ41 2 to 3NJ41 4		▶	<b>3NJ49 15-2KA20</b>	1	1 unit	143	0.190	
<b>Current transformers .../5 A</b>										
 3NJ49 15-1FB20	100/5 A, Cl. 0.5, 1.0 VA		3NJ41 03		D	<b>3NJ49 15-1EB10</b>	1	1 unit	143	0.250
	100/5 A, Cl. 1, 1.5 VA		3NJ41 03		D	<b>3NJ49 15-1EB20</b>	1	1 unit	143	0.250
	150/5 A, Cl. 0.5, 1.5 VA		3NJ41 03		D	<b>3NJ49 15-1FB10</b>	1	1 unit	143	0.250
	150/5 A, Cl. 0.5 calibrated, 1.5 VA		3NJ41 03		D	<b>3NJ49 15-1FB11</b>	1	1 unit	143	0.250
	150/5 A, Cl. 1, 2.5 VA		3NJ41 03		▶	<b>3NJ49 15-1FB20</b>	1	1 unit	143	0.250
	75/5 A, Cl. 1, 1.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2DB20</b>	1	1 unit	143	0.190
	100/5 A, Cl. 0.5, 1.0 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2EB10</b>	1	1 unit	143	0.190
	100/5 A, Cl. 1, 2.0 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2EB20</b>	1	1 unit	143	0.190
	150/5 A, Cl. 0.5, 1.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2FB10</b>	1	1 unit	143	0.190
	150/5 A, Cl. 1, 2.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2FB20</b>	1	1 unit	143	0.190
	250/5 A, Cl. 0.5, 2.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2GB10</b>	1	1 unit	143	0.190
	250/5 A, Cl. 0.5 calibrated, 2.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2GB11</b>	1	1 unit	143	0.190
	250/5 A, Cl. 1, 3.75 VA		3NJ41 2 to 3NJ41 4		▶	<b>3NJ49 15-2GB20</b>	1	1 unit	143	0.190
	400/5 A, Cl. 0.5, 2.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2HB10</b>	1	1 unit	143	0.190
	400/5 A, Cl. 0.5 calibrated, 2.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2HB11</b>	1	1 unit	143	0.190
	400/5 A, Cl. 1, 5.0 VA		3NJ41 2 to 3NJ41 4		▶	<b>3NJ49 15-2HB20</b>	1	1 unit	143	0.190
	500/5 A, Cl. 0.5, 2.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2JB10</b>	1	1 unit	143	0.190
	500/5 A, Cl. 1, 5.0 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2JB20</b>	1	1 unit	143	0.190
	600/5 A, Cl. 0.5, 2.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2KB10</b>	1	1 unit	143	0.190
	600/5 A, Cl. 0.5 calibrated, 2.5 VA		3NJ41 2 to 3NJ41 4		D	<b>3NJ49 15-2KB11</b>	1	1 unit	143	0.190
600/5 A, Cl. 1, 5.0 VA		3NJ41 2 to 3NJ41 4		▶	<b>3NJ49 15-2KB20</b>	1	1 unit	143	0.190	
 3NJ49 15-2HB20										

# SENTRON 8US Busbar Systems

## General data

### Overview



### Benefits

Compared to conventional configuration in switchgear and control cabinets, this technique allows important cost savings and offers the following advantages: mechanical fixing and electrical contacting are achieved in one action; input wiring is dispensable, use of busbar terminals is reduced to a minimum and it provides a double utilization of the busbar space. All this is effective especially in cases where many outgoing units of the same performance range are required.

During operation, an easily traceable arrangement and rapid and uncomplicated replacement of single devices and assemblies are the most effective advantages. The busbar adapter system is completely finger-safe because it is covered by adapters and switching device holders. A high operational reliability is therefore guaranteed.

### Application

Mounting current-limiting (protection) devices such as fuse switch disconnectors and circuit breakers, but also complete load feeders, directly onto busbars has become a commonly used technique.

8US busbar systems are designed for horizontal mounting of the busbars.

### More information

#### Design

8US busbar systems with 40 mm and 60 mm busbar center-to-center spacing as well as flat copper profiles have now become firmly established on the world market. The permissible busbar temperature is a decisive factor when dimensioning the busbars. The busbar temperature is dependent on the current and the current distribution, on the busbar cross-section and the busbar surface, on the position of the busbars, convection and the ambient temperature. The values stated in the following table can only be considered as guide values because the conditions vary with each location. The values are based on uninterrupted current over the whole busbar length.

The trend toward busbars proves most advantageous when the infed is centrally located and the load is distributed symmetrically on both sides.

#### Function

##### Short-circuit strength

The short-circuit strength of the busbar system is dependent on the distance of the busbar supports and on the busbar cross-section.

The short-circuit strength of the whole system is dependent on the short-circuit strength of the busbars and of the adapters with circuit breakers or switch disconnectors (see Chapter "SENTRON Switching and Protection Devices for Power Distribution" --> "Molded-Case Circuit Breakers (MCCB)" and --> "Switch Disconnectors").

If one of these values is lower than the prospective short-circuit current at the place of installation, a current-limiting protective device has to be mounted upstream of the 8US busbar system. This may also be mounted as a feeder circuit breaker on the busbar system itself.

### Technical specifications

Uninterrupted current for busbars, E-Cu bare, at 35 °C ambient temperature according to DIN 43671

Bar dimensions mm	System mm	Uninterrupted current at a busbar temperature of		
		65 °C A	85 °C A	105 °C A
12 × 5	40 + 60	188	248	295
15 × 5	40 + 60	222	293	349
20 × 5	60	274	362	430
25 × 5	60	327	432	513
30 × 5	60	379	500	595
12 × 10	40 + 60	302	398	474
20 × 10	60	427	564	670
30 × 10	60	573	756	900
Special profile up to 1600 A	60	1020	1020	1600

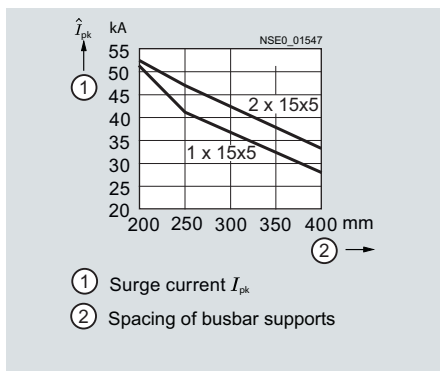
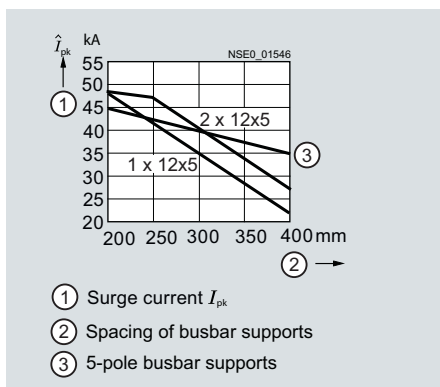
### Technical specifications of the system components

<b>Rated insulation voltage <math>U_i</math></b>	V AC	<b>1000<sup>1)</sup></b>
<b>Short-circuit strength</b>		
Of the 8US1 busbar adapters		Current limiting by means of associated circuit breakers/load feeders up to 50 kA
Of the busbar systems		<a href="#">see Characteristic Curves</a>
<b>Material</b>		
Of the 8US1 busbar supports, busbar adapters and device holders		Fiberglass-strengthened polyamide
<b>Color</b>		RAL 7035, light gray
<b>Temperature resistance</b>		
Busbar supports, busbar adapters, device holders, infeed and covers	°C	120
AWG connecting cables	°C	105
Cover profiles	°C	110
Bases, partitions, edge profiles and blanking covers	°C	70
<b>Approvals</b>		
Busbar supports, busbar adapters, device holders and terminals		UR, CSA

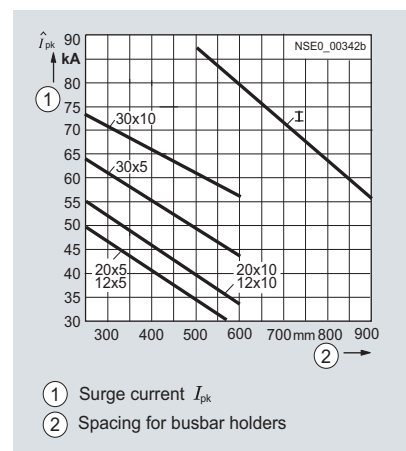
<sup>1)</sup> Reduction of  $U_i$  when using certain terminals in the 40-mm system, [see page 17/106](#).

### Characteristic curves

#### 40 mm busbar system



#### 60 mm busbar system

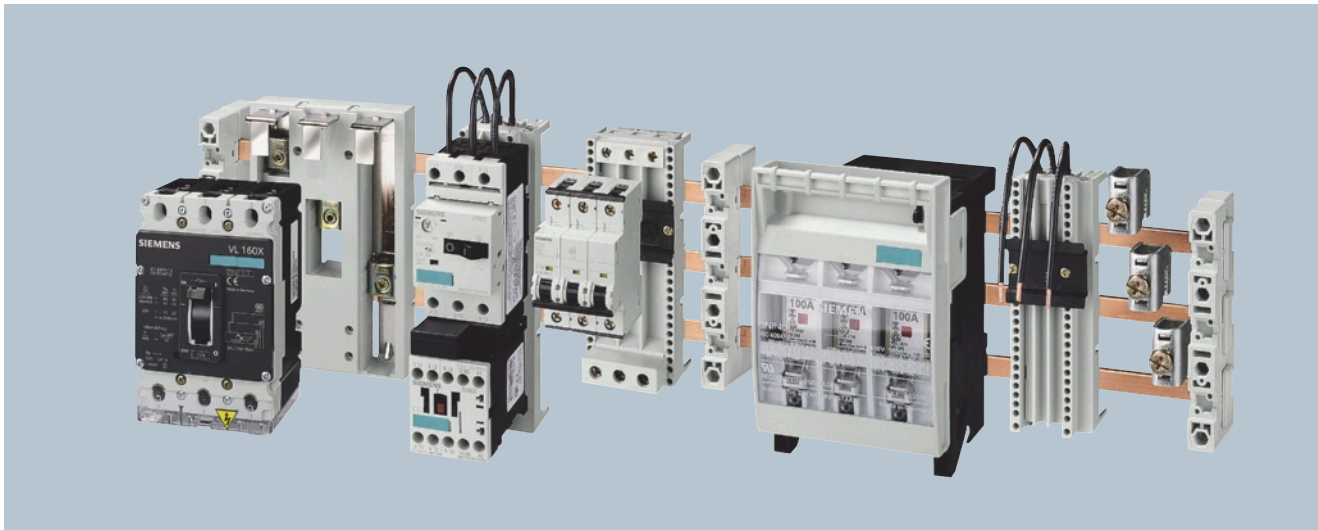


# SENTRON 8US Busbar Systems

## 40 mm Busbar Systems

### General data

### Overview

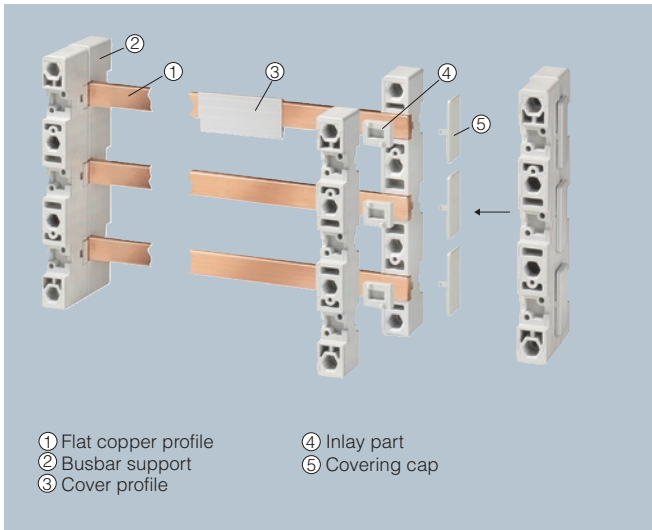


The 40 mm busbar system is used in machinery and plant engineering, in motor control centers and in power distribution systems of the low performance range up to 400 A.





The busbar cross-sections are adapted to the rated currents and are available in the sizes 12 x 5 mm, 12 x 10 mm, 15 x 5 mm and 15 x 10 mm. The basic system is configured without covers. If touch protection is required, this is possible with busbar covers.

An optimized spectrum of busbar adapters and device holders offers numerous adaptation and mounting options. Terminals round off the product range of the 40 mm busbar system.

### Overview



### Selection and ordering data

Description	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
<b>②④⑤ Busbar supports</b>							
<b>End and intermediate holders for flat copper profiles</b>							
 8US19 03-3AB00   8US19 03-5AA00							
12 mm x 5 mm. 12 mm x 10 mm, 15 mm x 5 mm. 15 mm x 10 mm  3-pole, with inside fixing (PU = 2 busbar supports including inlay parts for bar thickness 5 mm and lateral finger-safe covers)	A	<b>8US19 03-3AB00</b>		1	1 unit	143	0.184
5-pole 12 mm x 5 mm and 12 mm x 10 mm with inside fixing	L1-L3 + N + PE/N	A	<b>8US19 03-5AA00</b>	1	1 unit	143	0.137
<b>① Flat copper profiles</b> (approx. 2.4 m long, bare, acc. to EN 12167)							
 8WC5   Cover profiles							
12 mm x 5 mm 15 mm x 5 mm	B B	<b>8WC5 123</b> <b>8WC5 121</b>		1 1	1 unit 1 unit	143 143	1.100 1.550
<b>③ Cover profiles for busbars</b>							
12 mm x 5 mm  15 mm x 5 mm	1000 mm long 1000 mm long	A A	<b>8US19 22-2CA00</b> <b>8US19 22-2AA00</b>	1 1	10 units 10 units	143 143	0.200 0.156

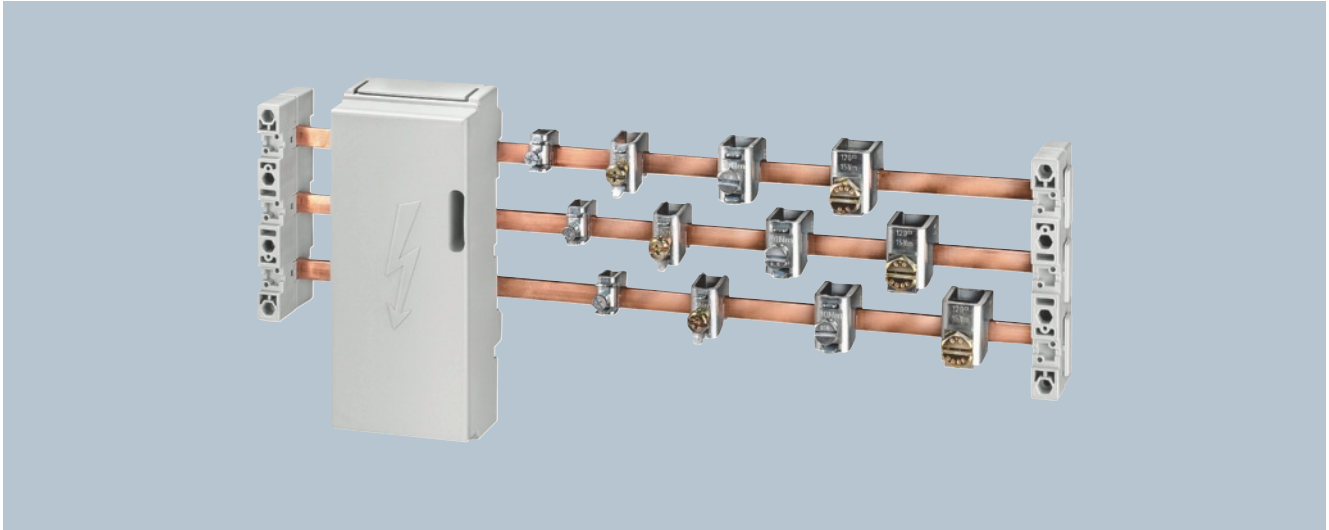
\* You can order this quantity or a multiple thereof.

# SENTRON 8US Busbar Systems

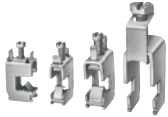
## 40 mm Busbar Systems

### Infeed and connection components

#### Overview



#### Selection and ordering data

Description	Conductor cross-section mm <sup>2</sup>	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
<b>Terminals for circular conductors<sup>1)2)</sup></b>									
<b>5 mm bar thickness</b>									
 Terminals	12 mm × 5 mm, 15 mm × 5 mm	1.5 ... 16 ▶	<b>8US19 21-2AA00</b>		1	100 units	143	0.001	
		4 ... 35 ▶	<b>8US19 21-2AB00</b>		1	50 units	143	0.046	
		16 ... 70 ▶	<b>8US19 21-2AD00</b>		1	50 units	143	0.072	
		16 ... 120 ▶	<b>8US19 21-2AC00</b>		1	50 units	143	0.107	
		1.5 ... 16 ▶	<b>8US19 21-2AA01</b>		1	15 units	143	0.020	
		4 ... 35 ▶	<b>8US19 21-2AB01</b>		1	15 units	143	0.020	
		16 ... 70 ▶	<b>8US19 21-2AD01</b>		1	15 units	143	0.020	
		16 ... 120 ▶	<b>8US19 21-2AC01</b>		1	15 units	143	0.020	
	<b>10 mm busbar thickness</b>								
		12 mm × 10 mm, 15 mm × 10 mm	1.5 ... 16 ▶	<b>8US19 21-2BA00</b>		1	100 units	143	0.020
		4 ... 35 ▶	<b>8US19 21-2BB00</b>		1	50 units	143	0.040	
		16 ... 70 ▶	<b>8US19 21-2BD00</b>		1	50 units	143	0.070	
		16 ... 120 ▶	<b>8US19 21-2BC00</b>		1	50 units	143	0.100	
		1.5 ... 16 ▶	<b>8US19 21-2BA01</b>		1	15 units	143	0.020	
		4 ... 35 ▶	<b>8US19 21-2BB01</b>		1	15 units	143	0.040	
		16 ... 70 ▶	<b>8US19 21-2BD01</b>		1	15 units	143	0.070	
		16 ... 120 ▶	<b>8US19 21-2BC01</b>		1	15 units	143	0.100	
<b>Covers for terminals for circular conductors (attachment to busbar)</b>									
For terminals up to 120 mm <sup>2</sup> 200 mm long, 84 mm wide		▶	<b>8US19 22-1GA00</b>		1	10 units	143	0.126	

<sup>1)</sup> When using the 8US19 03-3AB00 busbar support in combination with the 8US19 21-2.D0. or 8US19 21-2.C0. terminals,  $U_i$  is reduced to 690 V.

<sup>2)</sup> When using the 8US19 03-5AA00 busbar support with a 12 mm x 10 mm busbar,  $U_i$  is reduced to

- 690 V when using the 8US19 21-2.A0. or 8US19 21-2.B0. terminals.
- 480 V when using the 8US19 21-2.C0. or 8US19 21-2.D0. terminals.

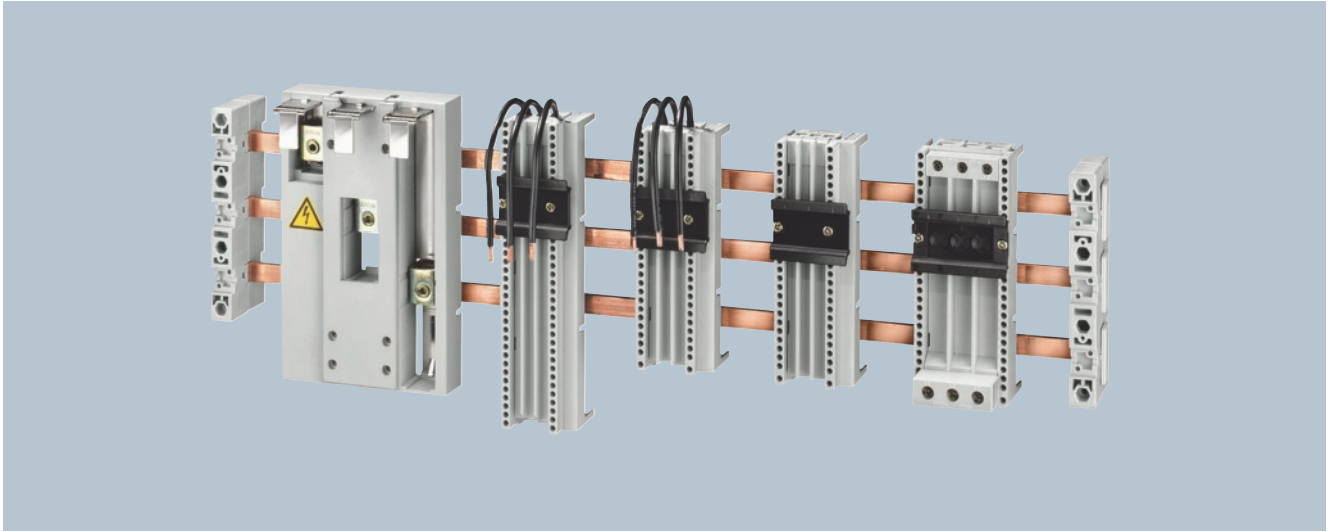


# SENTRON 8US Busbar Systems

## 40 mm Busbar Systems



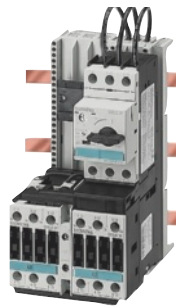

Busbar adapters and device holders

### Overview



### Selection and ordering data

For copper busbars according to DIN 46433, width: 12 mm and 15 mm, thickness: 5 mm and 10 mm

	Busbar device adapters	Number of mounting rails (35 mm)	Rated current	Con-nection lead	Adap-ter length	Adap-ter width	Rated voltage	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
			A	AWG	mm	mm	V							kg
<b>For SIRIUS</b>														
<b>Size S00/S0</b>														
	Motor starter prot./circuit b.	1	25	12	121	45	690	▶	<b>8US10 51-5DJ07</b>		1	1 unit	143	0.106
	Motor starter prot./circuit b. + lateral auxiliary switch	1	25	12	121	55	690	▶	<b>8US10 61-5DJ07</b>		1	1 unit	143	0.119
	Contactors + overload relay	1	25	12	139	45	690	▶	<b>8US10 51-5DK07</b>		1	1 unit	143	0.164
	Direct-on-line start load feeders	1	25	12	182	45	690	▶	<b>8US10 51-5DM07</b>		1	1 unit	143	0.184
	Reversing feeder adapter +	1	25	12	182	45	690	▶	<b>8US10 51-5DM07</b>		1	1 unit	143	0.184
	Device holders +	1	--	--	182	45	--	▶	<b>8US10 50-5AM00</b>		1	1 unit	143	0.182
	Connecting wedges (2 units needed for attachment)	--	--	--	--	--	--	▶	<b>8US19 98-1AA00</b>		100	100 units	143	0.100
<b>Size S00 – spring-loaded</b>														
	Direct-on-line start load feeders	1	12.5	14	182	45	690	▶	<b>8US10 51-5CM47</b>		1	1 unit	143	0.193
<b>Size S2</b>														
	Motor starter prot./circuit b.	1	56	8	139	55	690	▶	<b>8US10 61-5FK08</b>		1	1 unit	143	0.231
	Motor starter prot./circuit b. + lateral auxiliary switch	1	56	8	139	55	690	▶	<b>8US10 61-5FK08</b>		1	1 unit	143	0.231
	Contactors + overload relay	1	56	8	182	55	690	▶	<b>8US10 61-5FM08</b>		1	1 unit	143	0.278
	Direct-on-line start load feeders	1	56	8	242	55	690	▶	<b>8US10 61-5FP08</b>		1	1 unit	143	0.308
	Connecting wedge													

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

# SENTRON 8US Busbar Systems

## 40 mm Busbar Systems

### Busbar adapters and device holders

Busbar device adapters	Number of mounting rails (35 mm)	Rated current	Con-nection lead	Adap-ter length	Adap-ter width	Rated voltage	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
		A	AWG	mm	mm	V							
<b>Size S3</b>													
Motor starter protectors/circuit breakers	--	100	Busbars	182	70	Up to 460 <sup>1)</sup>	▶	<b>8US11 11-4SM00</b>		1	1 unit	143	0.541
Motor starter protectors/circuit breakers	1	100	4	182	72	Up to 690 <sup>2)</sup>	▶	<b>8US10 11-4TM00</b>		1	1 unit	143	0.478
<b>For 3VL circuit breakers<sup>3)4)</sup></b>													
3VL1	--	160	Busbars	175	108	690	A	<b>8US10 11-4SL01</b>		1	1 unit	143	0.585
3VL2	--	160	Busbars	175	108	690	A	<b>8US10 11-4SL01</b>		1	1 unit	143	0.585
<b>With terminals (at top) for any arrangement of components</b>													
1.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>	1	25	--	139	45	690	A	<b>8US10 50-5RK07</b>		1	1 unit	143	0.149
1.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>	1	25	--	182	45	690	A	<b>8US10 50-5RM07</b>		1	1 unit	143	0.177
16 mm <sup>2</sup> (top) and 35 mm <sup>2</sup> (bottom) <sup>5)</sup>	1	80	--	139	54	690	A	<b>8US10 60-5AK00</b>		1	1 unit	143	0.295
<b>Device holders for lateral attachment to busbar device adapters of the same length</b>													
Device holders	1	--	--	139	45	--	A	<b>8US10 50-5AK00</b>		1	1 unit	143	0.149
Device holders	1	--	--	139	55	--	A	<b>8US10 60-5AK08</b>		1	1 unit	143	0.162
Device holders	1	--	--	182	45	--	▶	<b>8US10 50-5AM00</b>		1	1 unit	143	0.182
Device holders	1	--	--	182	55	--	▶	<b>8US10 60-5AM00</b>		1	1 unit	143	0.197
Connecting wedges (2 units needed for attachment)	--	--	--	--	--	--	▶	<b>8US19 98-1AA00</b>		100	100 units	143	0.100
<b>Side modules for extending busbar device adapters and device holders of the same length</b>													
Side modules	--	--	--	139	13.5	--	A	<b>8US19 98-2BK00</b>		1	4 units	143	0.023
Side modules	--	--	--	182	13.5	--	A	<b>8US19 98-2BM00</b>		1	4 units	143	0.036

1) ≤ 400 V max. 50 kA, 400 V ... 460 V max. 25 kA.

2) Up to 525 V max. 30 kA, 525 V ... 690 V max. 12 kA.

3) Observe the short-circuit strength of the busbar system. Short-circuit strength &gt; 50 kA on request.

4) Usable only for 3VL circuit breakers with line-side box terminal.

5) Can be used simultaneously as incoming unit and outgoing unit.



# SENTRON 8US Busbar Systems

## 40 mm Busbar Systems

### Busbar adapters and device holders

#### 3NP4 fuse switch disconnectors for snapping onto 40 mm busbar systems<sup>1)</sup>

Rated uninter- rupted current $I_u$	Connection types (on both sides)		For fuse links acc. to DIN 43620 <sup>2)</sup>	For isolat- ing links <sup>3)</sup>	DT	Degree of protection IP00, without fuse links, without isolating links, with terminal screws	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.  kg
	Conne- ction	For conduc- tor cross- section								
A		mm <sup>2</sup>	Size	Size						
<b>With adapter, deep, e.g. for mounting in ALPHA meter cabinets (ALPHA 400-ZS) and ALPHA distribution boards (STAB/SIKUS)</b>										
160 <sup>4)</sup>	Box terminal	1.5 ... 50								
		Connection at top	000 <sup>5)</sup>	00	A	<b>3NP40 15-0CK01</b>	1	1 unit	103	0.952
		Connection at bottom			A	<b>3NP40 15-0CJ01</b>	1	1 unit	103	0.970
160	Flat connector	Up to 2 × 70 (M8)								
		Connection at top	00 and 000	00	A	<b>3NP40 75-0CE01</b>	1	1 unit	103	1.210
	Connection at bottom			A	<b>3NP40 75-0CF01</b>	1	1 unit	103	1.244	
	Box terminal	2.5 ... 70 or 2 × 2.5 ... 16								
Connection at top		00 and 000	00	A	<b>3NP40 75-0CK01</b>	1	1 unit	103	1.290	
	Connection at bottom			A	<b>3NP40 75-0CJ01</b>	1	1 unit	103	1.274	
<b>With adapter, flat, to DIN 43620 Part 6, for general applications and ALPHA distribution boards (STAB/SIKUS)</b>										
160 <sup>4)</sup>	Box terminal	1.5 ... 50								
		Connection at top	000 <sup>5)</sup>	00	A	<b>3NP40 15-1CK01</b>	1	1 unit	103	0.892
		Connection at bottom			B	<b>3NP40 15-1CJ01</b>	1	1 unit	103	0.888
160	Flat connector	Up to 2 × 70 (M8)								
		Connection at top	00 and 000	00 and 000	A	<b>3NP40 75-1CE01</b>	1	1 unit	103	1.186
	Connection at bottom			A	<b>3NP40 75-1CF01</b>	1	1 unit	103	1.189	
	Box terminal	2.5 ... 70 or 2 × 2.5 ... 16								
Connection at top		00 and 000	00 and 000	A	<b>3NP40 75-1CK01</b>	1	1 unit	103	1.261	
	Connection at bottom			A	<b>3NP40 75-1CJ01</b>	1	1 unit	103	1.213	
250	Flat connector	Up to 240 (M10)								
		Connection at bottom or top	1 and 0	1 and 0	A	<b>3NP42 75-1CG01</b>	1	1 unit	103	3.719

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 according to BGV A3, see "Accessories".

<sup>1)</sup> For mounting on only 5 mm thick busbars, a busbar thickness compensator is required for 3NP42 and 3NP43; see "Accessories".

<sup>2)</sup> For fuse links see the chapter "BETA Low-Voltage Circuit Protection".

<sup>3)</sup> Insert silver-plated isolating links.

<sup>4)</sup> 125/160 A only possible with 21-mm wide 3NY1 822 (125 A) and 3NY1 824 (160 A) fuse links, see "Accessories".

<sup>5)</sup> Corresponds to size 00 with a maximum width of 21 mm (according to IEC 60269-2-1 and DIN 43620).

# SENTRON 8US Busbar Systems

## 40 mm Busbar Systems

### Busbar adapters and device holders

**3NP4 fuse switch disconnectors with fuse monitoring by SIRIUS motor starter protectors/circuit breakers<sup>1)2)</sup> for snapping onto 40 mm busbar systems<sup>3)</sup>**

Rated un-interrupted current $I_u$	Connection types (on both sides)		For fuse links acc. to DIN 43620 <sup>4)</sup>	For isolating links <sup>5)</sup>	DT	Degree of protection IP00, without fuse links, without isolating links, with terminal screws	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.		
	Connection	For conductor cross-section										
A	mm <sup>2</sup>	Size	Size			Order No.	Price per PU			kg		
<b>With adapter, deep, e.g. for mounting in ALPHA meter cabinets (ALPHA 400-ZS) and ALPHA distribution boards (STAB/SIKUS)</b>												
160	Flat connector	Up to 2 × 70 (M8)	00 and 000	00	B	<b>3NP40 75-0FE01</b>		1	1 unit	103	1.812	
						<b>3NP40 75-0FF01</b>						
	Box terminal	2.5 ... 70 or 2 × 2.5 ... 16	00 and 000	00	B	<b>3NP40 75-0FK01</b>		1	1 unit	103	1.820	
						<b>3NP40 75-0FJ01</b>						
	<b>With adapter, flat, according to DIN 43620 Part 6, for general applications and ALPHA distribution boards (STAB/SIKUS)</b>											
	160	Flat connector	Up to 2 × 70 (M8)	00 and 000	00 and 000	B	<b>3NP40 75-1FE01</b>		1	1 unit	103	1.616
<b>3NP40 75-1FF01</b>												
Box terminal		2.5 ... 70 or 2 × 2.5 ... 16	00 and 000	00 and 000	B	<b>3NP40 75-1FK01</b>			1	1 unit	103	1.717
						<b>3NP40 75-1FJ01</b>						
250		Flat connector	Up to 240 (M10)	1 and 0	1 and 0	A		<b>3NP42 75-1FG01</b>		1	1 unit	103



3NP40 75-1FF01

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 according to BGV A3, see "Accessories".

- 1) SIRIUS motor starter protectors/circuit breakers, as standard with auxiliary switches 1 NO + 1 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 according to DIN 46244-A.
- 3) For mounting on only 5 mm thick busbars, a busbar thickness compensator is required for 3NP42 and 3NP43; see "Accessories".
- 4) For fuse links see the chapter "BETA Low-Voltage Circuit Protection".
- 5) Insert silver-plated isolating links.

# SENTRON 8US Busbar Systems

## 40 mm Busbar Systems

### Accessories

#### Selection and ordering data

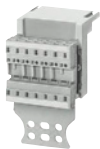
Description	Busbar length	Busbar width	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	mm	mm							kg
<b>Busbar connection pieces for bars</b>									
12 mm x 5 mm, 12 mm x 10 mm, 15 mm x 5 mm, 15 mm x 10 mm, 20 mm x 5 mm, 20 mm x 10 mm	55		A	<b>8US19 21-2BF00</b>		1	12 units	143	0.070
<b>Mounting rails (35 mm) – plastic</b>									
Complete with fixing screws	45		A	<b>8US19 98-7CA15</b>		1	10 units	143	0.009
	55		A	<b>8US19 98-7CA16</b>		1	10 units	143	0.100
	72		A	<b>8US19 98-4AA00</b>		1	10 units	143	0.143
	90		A	<b>8US19 98-7CA08</b>		1	10 units	143	0.187
	110		A	<b>8US19 98-7CA10</b>		1	10 units	143	0.219
<b>Connection holders</b>									
Fixes the motor starter protector/circuit breaker to the mounting rail <sup>1)</sup> (for SIRIUS size S00/S0)			A	<b>8US19 98-1DA00</b>		100	20 units	143	0.100
<b>Screw holders</b>									
For supplementary screw mounting of the feeder (for SIRIUS size S00/S0)			B	<b>8US19 98-1CA00</b>		100	20 units	143	0.100
<b>Spacers</b>									
Fixes the feeder to the busbar adapter (for SIRIUS size S00/S0)			▶	<b>8US19 98-1BA00</b>		100	100 units	143	0.100
<b>Connecting wedges</b>									
For mechanical linking of adapters and device holders (2 units per combination)			▶	<b>8US19 98-1AA00</b>		100	100 units	143	0.100
<b>Load-side terminal strips for busbar adapters</b>									
Complete with supporting element for attachment to busbar adapter and device holder									
3 × 2.5 mm <sup>2</sup> (400 V) and 4 × 1.5 mm <sup>2</sup> (250 V)	91	45	A	<b>8US19 98-8AM07</b>		1	1 unit	143	0.061
7 × 2.5 mm <sup>2</sup> (400 V)	91	54	D	<b>8US19 98-8AA10</b>		1	1 unit	143	0.072



Mounting rail



Connecting wedge



8US19 98-8AA10

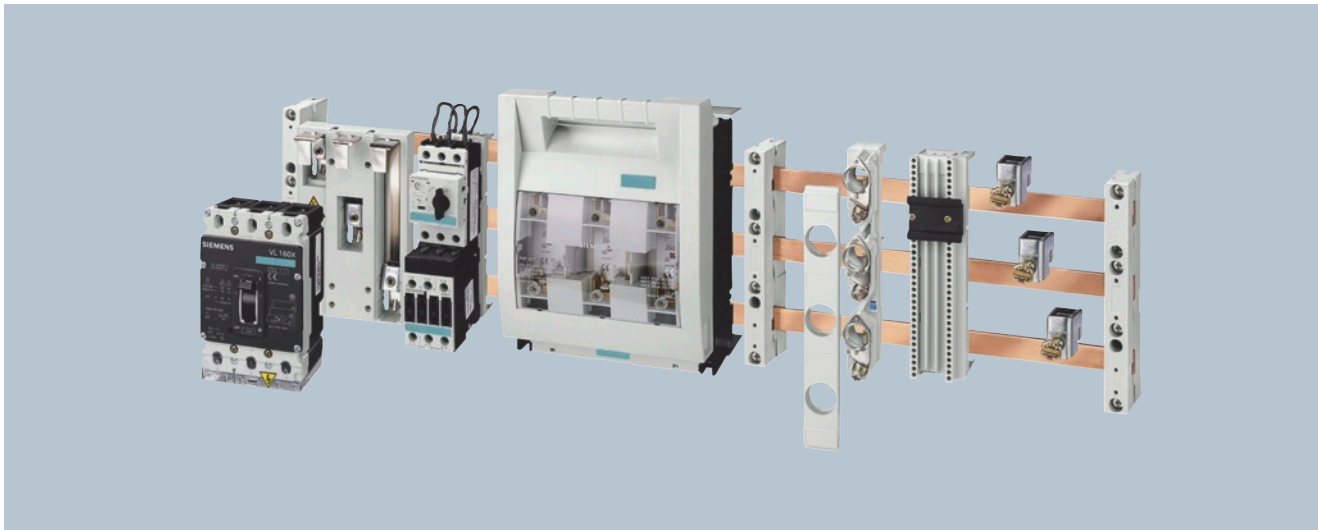
<sup>1)</sup> For 45 mm and 55 mm mounting rail.

# SENTRON 8US Busbar Systems

## 60 mm Busbar Systems

### General data

### Overview



The 60 mm busbar system is used preferably in control cabinet installation, in motor control centers and in power distribution systems of the medium power range (630 A) and top performance range (1600 A, special profile).

The 60 mm busbar system can be used as a basic system without covers, as a partly compartmented system or as a fully compartmented system with base. The busbar cross-sections are available in the sizes 12 x 5 mm to 30 x 10 mm and as a special profile.

Busbar adapters for SIRIUS, 3VL circuit breakers, 3KA and 3KL switch disconnectors, 3NP5 fuse switch disconnectors and 3NP4 directly mountable fuse switch disconnectors offers numerous options for configuring this busbar system. Feeder units, terminals and other accessories open up a large range of application.

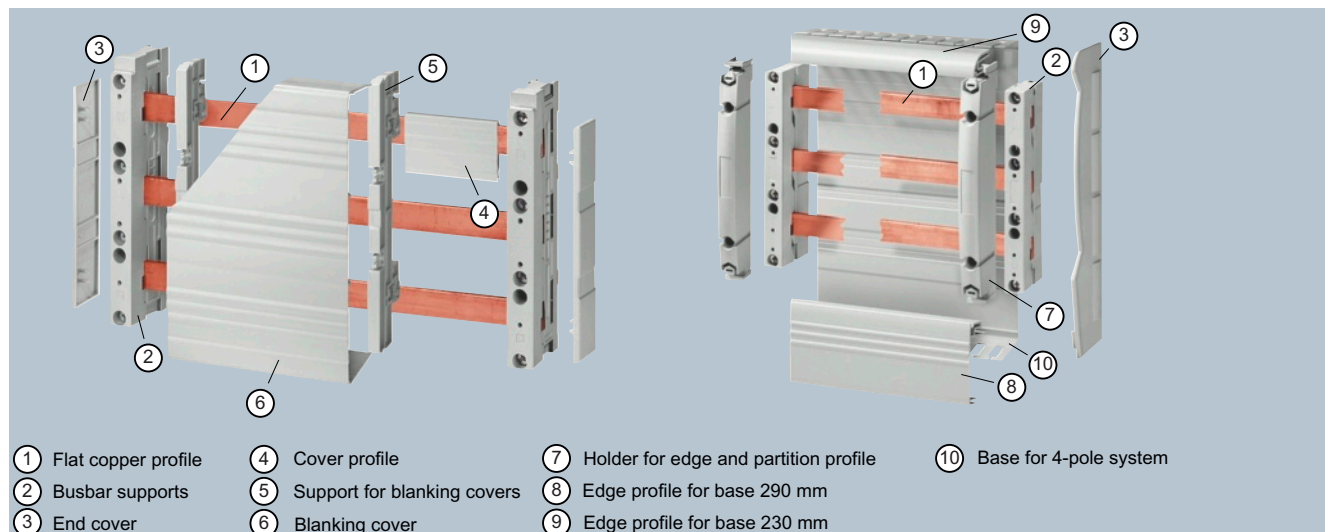
Busbars with a special profile are suitable for applications up to 1600 A. All components of the 60 mm busbar system can be fitted.

# SENTRON 8US Busbar Systems




## 60 mm Busbar Systems

Base assemblies up to 630 A

### Overview





### Selection and ordering data

Description	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
<b>② Busbar supports</b>							
<b>End and intermediate holders for flat copper profiles</b> 12 mm x 5 mm, 12 mm x 10 mm, 15 mm x 5 mm, 15 mm x 10 mm, 20 mm x 5 mm, 20 mm x 10 mm, 25 mm x 5 mm, 25 mm x 10 mm, 30 mm x 5 mm, 30 mm x 10 mm							
 8US19 23-5AA00		2-pole, with outside fixing	A	<b>8US19 23-5AA00</b>	1	10 units	143 0.200
 8US19 23-2AA01		3-pole, with outside fixing	L1-L3	A	<b>8US19 23-2AA01</b>	1	10 units 143 0.200
		3-pole, with inside fixing	L1-L3	A	<b>8US19 23-3AA01</b>	1	10 units 143 0.200
		4-pole, with inside fixing	L1-L3 + PE/N	A	<b>8US19 23-4AA00</b>	1	10 units 143 0.269
 5SH3 506		<b>N-/PE busbar supports for flat copper profiles</b> 12 mm x 5 mm, 12 mm x 10 mm, 15 mm x 5 mm, 15 mm x 10 mm, 20 mm x 5 mm, 20 mm x 10 mm, 25 mm x 5 mm, 25 mm x 10 mm, 30 mm x 5 mm, 30 mm x 10 mm					
		Attachment to 8US19 23-2AA01 or independent installation	A	<b>5SH3 506</b>	1	1 unit	016 0.060

# SENTRON 8US Busbar Systems

## 60 mm Busbar Systems

### Base assemblies up to 630 A







Description	Length	Width	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	mm	mm							kg
<b>③ End covers</b>									
For covering unterminated busbar ends									
 8US19 22-1AC00 5SH3 534	For 8US19 23-2AA01 or 8US19 23-3AA01	L1-L3	A	<b>8US19 22-1AC00</b>		1	10 units	143	0.020
	4-pole, for 8US19 23-4AA00 1 pack = 2 units (1x right, 1x left)	L1-L3 + PE/N	A	<b>8US19 22-1AB00</b>		1	1 unit	143	0.055
	For 5SH3 532 holder Height 230 mm (3-pole)		B	<b>5SH3 533</b>		1	4 units	016	0.038
	Height 290 mm (4-pole or 3-pole + cable duct), 1 pack = 2 units (1x right, 1x left)		C	<b>5SH3 534</b>		1	4 units	016	0.048
<b>④ Cover profiles for busbars</b>									
 8US19 22-2CA00 8US19 22-2AA00	12 mm × 5 mm	1000	A	<b>8US19 22-2CA00</b>		1	10 units	143	0.200
	15 mm × 5 mm, 20 mm × 5 mm, 25 mm × 5 mm, 30 mm × 5 mm	1000	A	<b>8US19 22-2AA00</b>		1	10 units	143	0.156
	12 mm × 10 mm, 15 mm × 10 mm, 20 mm × 10 mm, 25 mm × 10 mm, 30 mm × 10 mm	1000	A	<b>8US19 22-2BA00</b>		1	10 units	143	0.105
<b>⑦ Holder for edge and partition profile</b>									
For 5SH3 528 and 5SH3 530									
<b>Edge profiles<sup>1)</sup></b>									
 5SH3 528 5SH3 530	For base 230 mm 17 mm × 36 mm	1100	B	<b>5SH3 528</b>		1	2 units	016	0.311
	For base 290 mm 77 mm × 36 mm	1100	C	<b>5SH3 530</b>		1	2 units	016	0.583
<b>⑤ Supports (for blanking covers)</b>									
Mounting on busbar (2 units per section of blanking cover)									
 5SH3 536	1000	190	B	<b>5SH3 536</b>		1	4 units	016	0.040
<b>⑥ Blanking covers</b>									
Mounting on 5SH3 536 support for blanking covers									
 5SH3 537	1000	202	A	<b>5SH3 537</b>		1	2 units	016	0.075

<sup>1)</sup> When configuring a 3-pole busbar system with the base 230 mm, only ⑤ 5SH3 528 is required.  
When configuring a 4-pole busbar system (or a 3-pole with cable duct) with the 290 mm base, ⑤ 5SH3 528 and ⑤ 5SH3 530 are required.

# SENTRON 8US Busbar Systems

## 60 mm Busbar Systems

**Base assemblies up to 630 A**

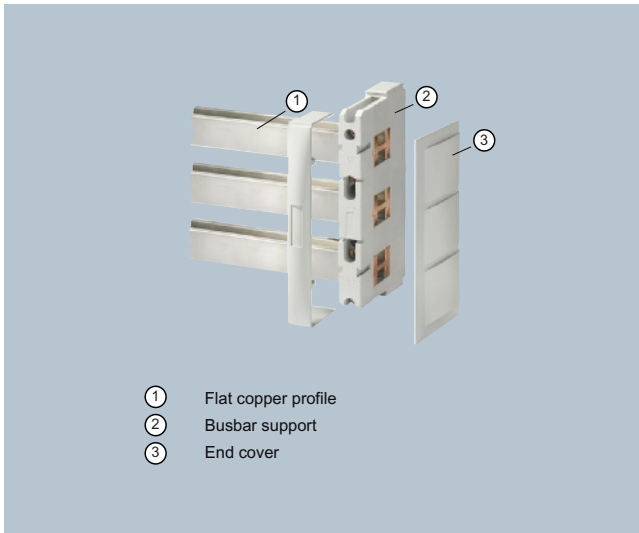
Description	Length	Width	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.	
	mm	mm							kg	
<b>⑩ Bases</b>										
 5SH3 527	3-pole system	1100	230	B	<b>5SH3 526</b>		1	1 unit	016	1.100
	4-pole system (or 3-pole system with cable duct)	1100	290	C	<b>5SH3 527</b>		1	2 units	016	1.300
<b>Partition profiles (for additional touch protection on systems without base)</b>										
 5SH3 531	Slotted 17 mm × 86 mm	1100		C	<b>5SH3 531</b>		1	2 units	016	0.365
	Closed 17 mm × 86 mm	1100		A	<b>8US19 22-1HA00</b>		1	2 units	143	0.070
<b>① Flat copper profiles (approx. 2.4 m long, bare, according to EN 12167)</b>										
 8WC5	12 mm × 5 mm			B	<b>8WC5 123</b>		1	1 unit	143	1.100
	15 mm × 5 mm			B	<b>8WC5 121</b>		1	1 unit	143	1.550
	20 mm × 5 mm			B	<b>8WC5 126</b>		1	1 unit	143	1.780
	25 mm × 5 mm			B	<b>8WC5 131</b>		1	1 unit	143	2.240
	30 mm × 5 mm			B	<b>8WC5 133</b>		1	1 unit	143	2.680
	20 mm × 10 mm			B	<b>8WC5 128</b>		1	1 unit	143	3.200
	30 mm × 10 mm			B	<b>8WC5 134</b>		1	1 unit	143	5.360
<b>① Flat copper profiles (approx. 2 m long, tinned, according to EN 12167)</b>										
	12 mm × 5 mm			B	<b>8WC5 051</b>		1	1 unit	143	1.100
	15 mm × 5 mm			B	<b>8WC5 052</b>		1	1 unit	143	1.550
	20 mm × 5 mm			B	<b>8WC5 053</b>		1	1 unit	143	1.780
	25 mm × 5 mm			B	<b>8WC5 054</b>		1	1 unit	143	2.240
	30 mm × 5 mm			B	<b>8WC5 055</b>		1	1 unit	143	2.680
	20 mm × 10 mm			B	<b>8WC5 063</b>		1	1 unit	143	3.200
	30 mm × 10 mm			B	<b>8WC5 065</b>		1	1 unit	143	5.360
<b>Busbar connection pieces for bars</b>										
 8US19 21-2BE00	For flat profiles (max. 630 A)									
	20 mm × 5 mm, 20 mm × 10 mm, 25 mm × 5 mm, 25 mm × 10 mm, 30 mm × 5 mm, 30 mm × 10 mm	40		A	<b>8US19 21-2BE00</b>		1	6 units	143	0.070
 8US19 21-2BF00	For flat profiles (max. 630 A)									
	12 mm × 5 mm, 12 mm × 10 mm, 15 mm × 5 mm, 15 mm × 10 mm, 20 mm × 5 mm, 20 mm × 10 mm	55		A	<b>8US19 21-2BF00</b>		1	12 units	143	0.070

# SENTRON 8US Busbar Systems






## 60 mm Busbar Systems

Base assemblies up to 1600 A

### Overview



### Selection and ordering data

Description	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
 <b>Busbar supports</b> 3-pole, end and intermediate holder with finger-safe busbar cover (1 pack = 2 busbar supports + finger-safe end covers)	L1-L3	A	<b>8US19 43-3AA00</b>	1	1 unit	143	1.310
 <b>Flat copper profiles (approx. 2.4 m long, tinned)</b> Special profile up to 1600 A	720 mm <sup>2</sup>	A	<b>8US19 48-2AA00</b>	1	1 unit	143	15.360
<b>Cover profiles</b> For flat copper profile	1000 mm long	A	<b>8US19 22-2DA00</b>	1	5 units	143	0.200
<b>Busbar connection pieces</b> For special profiles/TT profiles up to 1600 A		A	<b>8US19 41-2BF00</b>	1	3 units	143	1.134
 <b>Partitions, closed</b> 76 mm wide, 2400 mm long For additional touch protection at the top/bottom		C	<b>8US1922-1JA00</b>	1	1 unit	143	0.700
 <b>Supports (for blanking covers)</b> Mounting on busbar (2 units per section of blanking cover)	1000	B	<b>5SH3 536</b>	1	4 units	016	0.040
 <b>Blanking covers</b> Mounting on 5SH3 536 support for blanking covers	1000	A	<b>5SH3 537</b>	1	2 units	016	0.075

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

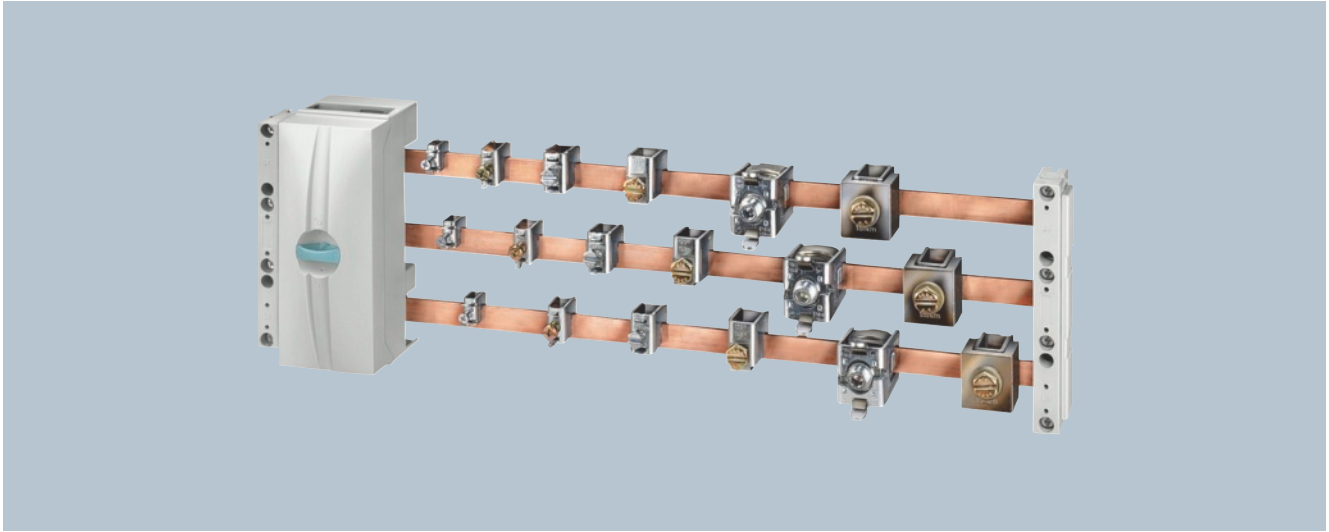


# SENTRON 8US Busbar Systems




## 60 mm Busbar Systems

Infeed and connection components

### Overview



### Selection and ordering data



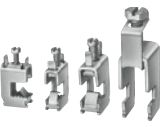
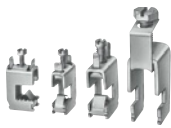

Description	Conductor cross-section mm <sup>2</sup>	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
<b>Infeeds</b>								
Connecting terminal plate with cover								
3-pole, 200 mm long, 54 mm wide	6 ... 50	A	<b>8US19 21-1BA00</b>		1	1 unit	143	0.397
3-pole, 200 mm long, 81 mm wide	35 ... 120	A	<b>8US19 21-1AA00</b>		1	1 unit	143	0.607
								
8US19 21-1AA00								
<b>Outgoing modules for PE/N</b>								
Connection module for 4-pole (PE/N) up to 16 mm must be attached to an adapter/device holder	242 mm long, 18 mm wide	A	<b>8US12 00-0AA00</b>		1	1 unit	143	0.142
<b>SR60 terminal plates</b>								
3-pole (shown without cover)	150 ... 300	C	<b>5SH3 535</b>		1	1 unit	016	1.657
								
5SH3 535								
<b>Terminal sets</b>								
3-pole without cover for round cables	120 ... 300	A	<b>8US19 41-2AA03</b>		1	1 unit	143	0.160
								
8US19 41-2AA03								

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

# SENTRON 8US Busbar Systems

## 60 mm Busbar Systems

### Infeed and connection components

Description		Conductor cross-section	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
		mm <sup>2</sup>							kg
	<b>Terminal sets</b> 3-pole without cover for flat bars up to 32 x 20 mm		A	<b>8US19 41-2AA04</b>		1	1 unit	143	0.140
8US19 41-2AA04									
	Covers for terminal set		A	<b>8US19 22-1GC00</b>		1	1 unit	143	0.150
8US19 22-1GC00									
<b>Terminals for circular conductors</b>									
<b>5 mm busbar thickness<sup>1)</sup></b>									
	12 mm x 5 mm,	1.5 ... 16	▶	<b>8US19 21-2AA00</b>		1	100 units	143	0.001
	15 mm x 5 mm,	4 ... 35	▶	<b>8US19 21-2AB00</b>		1	50 units	143	0.046
	20 mm x 5 mm,	16 ... 70	▶	<b>8US19 21-2AD00</b>		1	50 units	143	0.072
	25 mm x 5 mm,	16 ... 120	▶	<b>8US19 21-2AC00</b>		1	50 units	143	0.107
	30 mm x 5 mm	1.5 ... 16	▶	<b>8US19 21-2AA01</b>		1	15 units	143	0.020
		4 ... 35	▶	<b>8US19 21-2AB01</b>		1	15 units	143	0.020
		16 ... 70	▶	<b>8US19 21-2AD01</b>		1	15 units	143	0.020
		16 ... 120	▶	<b>8US19 21-2AC01</b>		1	15 units	143	0.020
	20 mm x 5 mm,	95 ... 185	▶	<b>8US19 41-2AA01</b>		1	6 units	143	0.315
	25 mm x 5 mm, 30 mm x 5 mm	150 ... 300	▶	<b>8US19 41-2AA02</b>		1	3 units	143	0.425
<b>10 mm busbar thickness</b>									
	12 mm x 10 mm,	1.5 ... 16	▶	<b>8US19 21-2BA00</b>		1	100 units	143	0.020
	15 mm x 10 mm,	4 ... 35	▶	<b>8US19 21-2BB00</b>		1	50 units	143	0.040
	20 mm x 10 mm,	16 ... 70	▶	<b>8US19 21-2BD00</b>		1	50 units	143	0.070
	25 mm x 10 mm,	16 ... 120	▶	<b>8US19 21-2BC00</b>		1	50 units	143	0.100
	30 mm x 10 mm	1.5 ... 16	▶	<b>8US19 21-2BA01</b>		1	15 units	143	0.020
		4 ... 35	▶	<b>8US19 21-2BB01</b>		1	15 units	143	0.040
		16 ... 70	▶	<b>8US19 21-2BD01</b>		1	15 units	143	0.070
		16 ... 120	▶	<b>8US19 21-2BC01</b>		1	15 units	143	0.100
	20 mm x 10 mm,	95 ... 185	▶	<b>8US19 41-2AA01</b>		1	6 units	143	0.315
	25 mm x 10 mm, 30 mm x 10 mm	150 ... 300	▶	<b>8US19 41-2AA02</b>		1	3 units	143	0.425
<b>Covers for terminals for circular conductors (attachment to busbar)</b>									
	For terminals up to 120 mm <sup>2</sup>	200 mm long, 84 mm wide	▶	<b>8US19 22-1GA00</b>		1	10 units	143	0.126
	For terminals up to 300 mm <sup>2 2)</sup>	200 mm long, 270 mm wide	▶	<b>8US19 22-1GA02</b>		1	1 unit	143	0.696
8US19 22-1GA00									
<b>Terminals</b>									
	For cable lugs up to 240 mm <sup>2</sup> , 10 mm bar thickness	(threaded bolts M10)	A	<b>8US19 41-2AC00</b>		1	6 units	143	0.368
	For copper bars or laminated conductors 20 mm x 5 mm, 20 mm x 10 mm, 25 mm x 5 mm, 25 mm x 10 mm, 30 mm x 5 mm, 30 mm x 10 mm		A	<b>8US19 41-2BB00</b>		1	6 units	143	0.307
	For 2 x 40 mm x 10 mm		A	<b>8US19 41-2BA00</b>		1	3 units	143	0.824

<sup>1)</sup> Cannot be used on a special profile up to 1600 A.

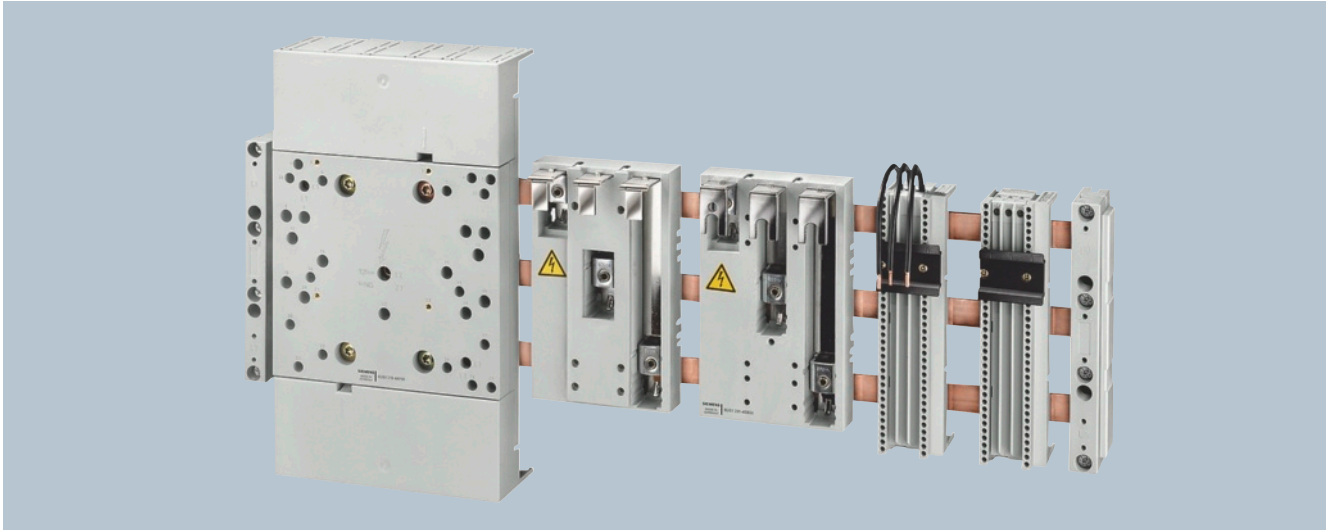
<sup>2)</sup> Only for 20 mm x 5 mm, 20 mm x 10 mm, 25 mm x 5 mm, 25 mm x 10 mm, 30 mm x 5 mm and 30 mm x 10 mm.

# SENTRON 8US Busbar Systems

## 60 mm Busbar Systems



### Busbar adapters and device holders

#### Overview



#### Selection and ordering data

For copper busbars according to DIN 46433, width: 12 mm to 30 mm, thickness: 5 mm and 10 mm, and special profiles up to 1600 A



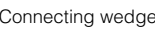
Busbar device adapters	Number of mounting rails (35 mm)	Rated current A	Connecting cable AWG	Adapter length mm	Adapter width mm	Rated voltage V	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
<b>For SIRIUS</b>														
<b>Size S00/S0</b>														
 Direct start load feeder	Motor starter protectors/ circuit breakers	1	25	12	182	45	690	▶	<b>8US12 51-5DM07</b>		1	1 unit	143	0.183
	Contactors + overload relays	1	25	12	182	45	690	▶	<b>8US12 51-5DM07</b>		1	1 unit	143	0.183
	Direct-on-line start load feeders	1	25	12	182	45	690	▶	<b>8US12 51-5DM07</b>		1	1 unit	143	0.183
	Reversing feeder adapters <sup>1)</sup>	1	25	12	182	45	690	▶	<b>8US12 51-5DM07</b>		1	1 unit	143	0.183
 Connecting wedge	+ Device holders	1	--	--	182	45	--	▶	+ <b>8US12 50-5AM00</b>		1	1 unit	143	0.158
	+ Connecting wedges (2 units needed for attachment)	--	--	--	--	--	--	▶	+ <b>8US19 98-1AA00</b>	100	100 units	143	0.100	
<b>Size S00 – spring-loaded</b>														
	Direct-on-line start load feeders	1	12.5	14	182	45	690	▶	<b>8US12 51-5CM47</b>		1	1 unit	143	0.190

<sup>1)</sup> Only for size S00; for size S0 the 8US12 50-5AM00 device holder (55 mm wide) must be used.

# SENTRON 8US Busbar Systems

## 60 mm Busbar Systems

### Busbar adapters and device holders

	Busbar device adapters	Number of mounting rails (35 mm)	Rated current	Connecting cable	Adapter length	Adapter width	Rated voltage	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
			A	AWG	mm	mm	V								
 Reversing feeder  Device holders <sup>1)</sup>  Connecting wedge	<b>Size S2</b>														
	Motor starter protectors/ circuit breakers	1	56	8	182	55	690	▶	<b>8US12 61-5FM08</b>		1	1 unit	143	0.263	
	Contactors + overload relays	1	56	8	182	55	690	▶	<b>8US12 61-5FM08</b>		1	1 unit	143	0.263	
	Direct-on-line start load feeders	1	56	8	242	55	690	▶	<b>8US12 61-5FP08</b>		1	1 unit	143	0.292	
	Reversing feeder adapters	1	56	8	242	55	690	▶	<b>8US12 61-5FP08</b>		1	1 unit	143	0.292	
	+ Device holders <sup>1)</sup>	--	--	--	242	54	--	▶	<b>8US12 60-5AP00</b>		1	1 unit	143	0.243	
+ Connecting wedges (2 units needed for attachment)	--	--	--	--	--	--	▶	<b>8US19 98-1AA00</b>		100	100 units	143	0.100		
<b>Size S3</b>															
Motor starter protectors/ circuit breakers	--	100	Busbars	182	70	up to 460 <sup>3)</sup>	▶	<b>8US11 11-4SM00</b>		1	1 unit	143	0.541		
Motor starter protectors/ circuit breakers <sup>2)</sup>	1	100	4	182	72	up to 690 <sup>4)</sup>	A	<b>8US12 11-4TM00</b>		1	1 unit	143	0.498		
<b>For 3VL circuit breakers<sup>6)</sup></b>															
3VL1 <sup>7)</sup>	--	160	Busbars	175	108	690	A	<b>8US12 11-4SL01</b>		1	1 unit	143	0.597		
3VL2 <sup>7)</sup>	--	160	Busbars	175	108	690	A	<b>8US12 11-4SL01</b>		1	1 unit	143	0.597		
3VL3 <sup>7)</sup>	--	250	Busbars	175	108	690	A	<b>8US12 11-4SL00</b>		1	1 unit	143	0.662		
3VL1 to 3VL4 and also with RCD module <sup>7)</sup>	--	400	M10 stud terminal	320	184	690	A	<b>8US12 10-4AF00</b>		1	1 unit	143	2.769		
+ 3VL5	--	580	M8 stud terminal	325	184	690	A	<b>8US19 27-4AF01</b> <b>8US12 13-4AF00</b>		1	1 unit	143	0.575 2.880		
<b>For switch disconnectors</b>															
3KA52 <sup>5)</sup> 3KA53 <sup>5)</sup> 3KL52 <sup>5)</sup> 3KL53 <sup>5)</sup>	--	630	M10 stud terminal	320	184	690	A	<b>8US12 10-4AF00</b>		1	1 unit	143	2.769		
3KA55 <sup>5)</sup> 3KA57 <sup>5)</sup> 3KA58 <sup>5)</sup> 3KL55 <sup>5)</sup> 3KL57 <sup>5)</sup>	--	630	M10 stud terminal	320	250	690	A	<b>8US12 10-4AG00</b>		1	1 unit	143	3.060		

8US10 11-4SL01

<sup>1)</sup> Spacer and fixing screw for reversing contactor are included in the scope of supply.

<sup>2)</sup> According to UL508 rated current 80 A.

<sup>3)</sup> ≤ 400 V max. 50 kA, 400 V ... 460 V max. 25 kA.

<sup>4)</sup> Up to 525 V max. 30 kA, 525 V ... 690 V max. 12 kA.

<sup>5)</sup> Without connecting cables. The connecting cable between adapter and device should be manufactured in accordance with the rated current as a round cable, e.g. H07V-R with cable lug, or as a flat conductor for a M10 bolt terminal.





<sup>6)</sup> Observe the short-circuit strength of the busbar system. Short-circuit strength > 50 kA on request.

<sup>7)</sup> Usable only for 3VL circuit breakers with line-side box terminal.

# SENTRON 8US Busbar Systems

## 60 mm Busbar Systems

### Busbar adapters and device holders

Busbar device adapters	Number of mounting rails (35 mm)	Rated current	Connecting cable	Adapter length	Adapter width	Rated voltage	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
		A	AWG	mm	mm	V							kg
<b>For 3NP5 fuse switch disconnectors</b>													
3NP50 60 (LV HRC00)	--	160	Busbars	175	108	690	A	<b>8US12 91-4SB00</b>		1	1 unit	143	0.551
3NP52 <sup>1)</sup> , 3NP53 <sup>1)</sup> , 3NP54 <sup>2)</sup>	--	630	M10 stud terminal	320	250	690	A	<b>8US12 10-4AG00</b>		1	1 unit	143	3.060
<b>Busbar device adapters with terminals (at top) for any arrangement of components</b>													
1.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>	1	25	--	182	45	690	A	<b>8US12 50-5RM07</b>		1	1 unit	143	0.174
	8US12 50-5RM07												
<b>Device holders for lateral attachment to busbar device adapters of the same length</b>													
Device holders	1	--	--	182	45	--	▶	<b>8US12 50-5AM00</b>		1	1 unit	143	0.158
Device holders	1	--	--	182	55	--	▶	<b>8US12 60-5AM00</b>		1	1 unit	143	0.202
Device holders	--	--	--	242	54	--	▶	<b>8US12 60-5AP00</b>		1	1 unit	143	0.243
Connecting wedges (2 units needed for attachment)	--	--	--	--	--	--	▶	<b>8US19 98-1AA00</b>		100	100 units	143	0.100
	8US19 50-1AM00												
	Connecting wedge												
<b>Side modules for extending busbar device adapters and device holders of the same length</b>													
Side modules	--	--	--	182	13.5	--	A	<b>8US19 98-2BM00</b>		1	4 units	143	0.036
	8US19 98-2BM00												

<sup>1)</sup> Without connecting cables. The connecting cable between adapter and device should be manufactured in accordance with the rated current as a round cable, e.g. H07V-R with cable lug, or as a flat conductor for a M10 bolt terminal.

<sup>2)</sup> Without connecting cables. The connecting cable between adapter and device should be manufactured in accordance with the rated current as a round cable, e.g. H07V-R, bared at both ends for tunnel terminals.

# SENTRON 8US Busbar Systems

## 60 mm Busbar Systems

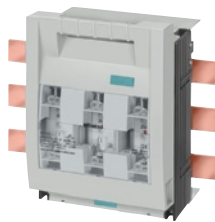
### Busbar adapters and device holders

#### 3NP4 fuse switch disconnectors for snapping onto 60 mm busbar systems<sup>1)</sup>

Rated uninterrupted current $I_u$	Connection types (on both sides)		For fuse links acc. to DIN 43620 <sup>2)</sup>	For isolating links <sup>3)</sup>	DT	Degree of protection IP00, without fuse links, without isolating links, with terminal screws		PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Connec-tion	For conductor cross-section	Size	Size		Order No.	Price per PU				
A		mm <sup>2</sup>									kg
160 <sup>4)</sup>	Box terminal <sup>5)</sup>	1.5 ... 50			A	<b>3NP40 16-1CK01</b>		1	1 unit	103	0.916
		Connection at top Connection at bottom	000 <sup>6)</sup>	00	▶	<b>3NP40 16-1CJ01</b>		1	1 unit	103	0.950
160	Flat connector	Up to 2 × 70 (M8)			A	<b>3NP40 76-1CE01</b>		1	1 unit	103	1.203
		Connection at top Connection at bottom	00 and 000	00	▶	<b>3NP40 76-1CF01</b>		1	1 unit	103	1.201
	Box terminal <sup>5)</sup>	2.5 ... 70 or 2 × 2.5 ... 16			B	<b>3NP40 76-1CK01</b>		1	1 unit	103	1.295
		Connection at top Connection at bottom	00 and 000	00	▶	<b>3NP40 76-1CJ01</b>		1	1 unit	103	1.249
250	Flat connector	Up to 150 (M10)			▶	<b>3NP42 76-1CG01</b>		1	1 unit	103	3.713
		Connection at bottom or top	1 and 0	1 and 0							
400	Flat connector	Up to 240 (M10)			▶	<b>3NP43 76-1CG01</b>		1	1 unit	103	5.440
		Connection at bottom or top	2 and 1	2 and 1							
630	Flat connector	Up to 2 × 240 (M12)			▶	<b>3NP44 76-1CG01</b>		1	1 unit	103	7.688
		Connection at bottom or top	3 and 2	3 and 2							



3NP40 16



3NP42 76

For all fuse switch disconnectors with flat connection, the appropriate cable lug covers (3NY7 101 to 3NY7 141) must be used for finger-safe cover according to BVG A2, see "Accessories".

<sup>1)</sup> 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.

<sup>2)</sup> For fuse links see the chapter "BETA Low-Voltage Circuit Protection" --> "Low-Voltage Fuse Systems".

<sup>3)</sup> Insert silver-plated isolating links.

<sup>4)</sup> 125/160 A only possible with 21-mm wide 3NY1 822 (125 A) and 3NY1 824 (160 A) fuse links, see "Accessories".

<sup>5)</sup> No further cover required for 3NP40 with box terminal.

<sup>6)</sup> Corresponds to size 00 with a maximum width of 21 mm (according to IEC 60269-2-1 and DIN 43620).

# SENTRON 8US Busbar Systems

## 60 mm Busbar Systems

### Busbar adapters and device holders

**3NP4 fuse switch disconnectors with fuse monitoring by SIRIUS motor starter protectors/circuit breakers<sup>1)2)</sup> for snapping onto 60 mm busbar systems<sup>3)</sup>**

Rated uninterrupted current $I_u$	Connection types (on both sides)		For fuse links acc. to DIN 43620 <sup>2)</sup>		DT	Degree of protection IP00, without fuse links, without isolating links, with terminal screws	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.	
	Connection	For conductor cross-section mm <sup>2</sup>	Size	Size							Order No.
160	Flat connector	Up to 2 × 70 (M8)	Connection at top	00 and 000	00	B	<b>3NP40 76-1FE01</b>	1	1 unit	103	1.670
				Connection at bottom			A	<b>3NP40 76-1FF01</b>	1	1 unit	103
	Box terminal	2.5 ... 70 or 2 × 2.5 ... 16	Connection at top	00 and 000	00	B	<b>3NP40 76-1FK01</b>	1	1 unit	103	1.755
				Connection at bottom			B	<b>3NP40 76-1FJ01</b>	1	1 unit	103
250	Flat connector	Up to 150 (M10)	Connection at bottom or top	1 and 0	1 and 0	A	<b>3NP42 76-1FG01</b>	1	1 unit	103	4.171
400	Flat connector	Up to 240 (M10)	Connection at bottom or top	2 and 1	2 and 1	A	<b>3NP43 76-1FG01</b>	1	1 unit	103	5.845
630	Flat connector	Up to 2 × 240 (M12)	Connection at bottom or top	3 and 2	3 and 2	A	<b>3NP44 76-1FG01</b>	1	1 unit	103	8.235

For all fuse switch disconnectors with flat connection, the appropriate cable lug covers (3NY7 101 to 3NY7 141) must be used for finger-safe cover according to BVG A2, see "Accessories".

- 1) SIRIUS motor starter protector/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 according to DIN 46244-A.
- 3) 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.
- 4) For fuse links see the chapter "BETA Low-Voltage Circuit Protection" --> "Low-Voltage Fuse Systems".
- 5) Insert silver-plated isolating links.

# SENTRON 8US Busbar Systems









## 60 mm Busbar Systems

### Bus-mounting fuse bases

#### Selection and ordering data

- D type fuse system according to IEC 60269-3 (VDE 0636-3)
- With open captive ± screws
- For attachment to industry-standard, unprocessed copper busbars with 12 mm to 30 mm bar width.

*For copper busbars according to DIN 46433, width: 12 mm to 30 mm, thickness: 5 mm and 10 mm, and special profiles up to 1600 A*

Size	Rated current A	Rated voltage V	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
<b>Mounting components</b>									
<b>NEOZED SR60 bus-mounting bases</b>									
	For 5 mm bar thickness, for NEOZED adapter sleeves, 3-pole D02		A	<b>5SG6 202</b>		1	4 units	016	0.141
	Excess width with clearance for wiring D02		B	<b>5SG6 204</b>		1	4 units	016	0.154
	For 10 mm bar thickness, for NEOZED adapter sleeves 3-pole D02		B	<b>5SG6 203</b>		1	4 units	016	0.138
	Excess width with clearance for wiring D02		B	<b>5SG6 205</b>		1	4 units	016	0.149
<b>DIAZED SR60 bus-mounting bases</b>									
	For bar thickness 5 mm, for use of DIAZED SR60 adapter rings, 3-pole DII		B	<b>5SF6 014</b>		1	2 units	016	0.230
	DIII		B	<b>5SF6 214</b>		1	2 units	016	0.318
	For use of DIAZED screw adapters 3-pole DII		B	<b>5SF6 015</b>		1	2 units	016	0.222
	DIII		B	<b>5SF6 215</b>		1	2 units	016	0.310
	For bar thickness 10 mm for use of DIAZED SR60 adapter rings 3-pole DII		B	<b>5SF6 016</b>		1	2 units	016	0.233
	DIII		B	<b>5SF6 216</b>		1	2 units	016	0.316
	For use of DIAZED screw adapters 3-pole DII		B	<b>5SF6 017</b>		1	2 units	016	0.220
	DIII		B	<b>5SF6 217</b>		1	2 units	016	0.328
<b>Mounting components</b>									
<b>NEOZED SR60 covers</b>									
	D02		A	<b>5SH5 241</b>		1	4 units	016	0.026
	Excess width with clearance for wiring D02		B	<b>5SH5 242</b>		1	4 units	016	0.031
	With double width for more free space for wiring D02		C	<b>5SH5 243</b>		1	4 units	016	0.040
<b>DIAZED SR60 covers</b>									
	DII		B	<b>5SH2 042</b>		1	2 units	016	0.050
	DIII		B	<b>5SH2 242</b>		1	2 units	016	0.061
	With double width for more free space for wiring DII		C	<b>5SH2 043</b>		1	2 units	016	0.084
	DIII		C	<b>5SH2 243</b>		1	2 units	016	0.106

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









# SENTRON 8US Busbar Systems

## 60 mm Busbar Systems

Accessories

### Selection and ordering data

For copper busbars according to DIN 46433, width: 12 mm to 30 mm, thickness: 5 mm and 10 mm, and special profiles up to 1600 A

Description	Length	Width	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.	
	mm	mm							kg	
<b>Busbar connection pieces for bars</b>										
 8US19 21-2BE00	20 mm × 5 mm, 20 mm × 10 mm, 25 mm × 5 mm, 25 mm × 10 mm, 30 mm × 5 mm, 30 mm × 10 mm	40	A	<b>8US19 21-2BE00</b>		1	6 units	143	0.070	
	12 mm × 5 mm, 12 mm × 10 mm, 15 mm × 5 mm, 15 mm × 10 mm, 20 mm × 5 mm, 20 mm × 10 mm	55	A	<b>8US19 21-2BF00</b>		1	12 units	143	0.070	
<b>Mounting rails (35 mm) – plastic</b>										
   Mounting rail	Complete with fixing screws	45	A	<b>8US19 98-7CA15</b>		1	10 units	143	0.009	
		55	A	<b>8US19 98-7CA16</b>		1	10 units	143	0.100	
		72	A	<b>8US19 98-4AA00</b>		1	10 units	143	0.143	
		90	A	<b>8US19 98-7CA08</b>		1	10 units	143	0.187	
		110	A	<b>8US19 98-7CA10</b>		1	10 units	143	0.219	
<b>Connection holders</b>										
	Fixes the motor starter protector/circuit breaker to the mounting rail <sup>1)</sup> (for SIRIUS size S00/S0)		A	<b>8US19 98-1DA00</b>		100	20 units	143	0.100	
<b>Screw holders</b>										
	For supplementary screw mounting of the feeder (for SIRIUS size S00/S0)		B	<b>8US19 98-1CA00</b>		100	20 units	143	0.100	
<b>Spacers</b>										
	Fixes the feeder to the busbar adapter (for SIRIUS size S00/S0)		▶	<b>8US19 98-1BA00</b>		100	100 units	143	0.100	
<b>Connecting wedges</b>										
 Connecting wedge	For mechanical linking of busbar adapter and device holder (2 units per combination)		▶	<b>8US19 98-1AA00</b>		100	100 units	143	0.100	
<b>Load-side terminal strips for busbar adapters</b>										
 Load-side terminal strip	Complete with supporting element for attachment to busbar adapter and device holder									
	3 × 2.5 mm <sup>2</sup> (400 V) and 4 × 1.5 mm <sup>2</sup> (250 V)	91	45	A	<b>8US19 98-8AM07</b>		1	1 unit	143	0.061
	7 × 2.5 mm <sup>2</sup> (400 V)	91	54	D	<b>8US19 98-8AA10</b>		1	1 unit	143	0.072

<sup>1)</sup> For 45 mm and 55 mm mounting rail.

# SENTRON 8US Busbar Systems

## 60 mm Busbar Systems

Notes