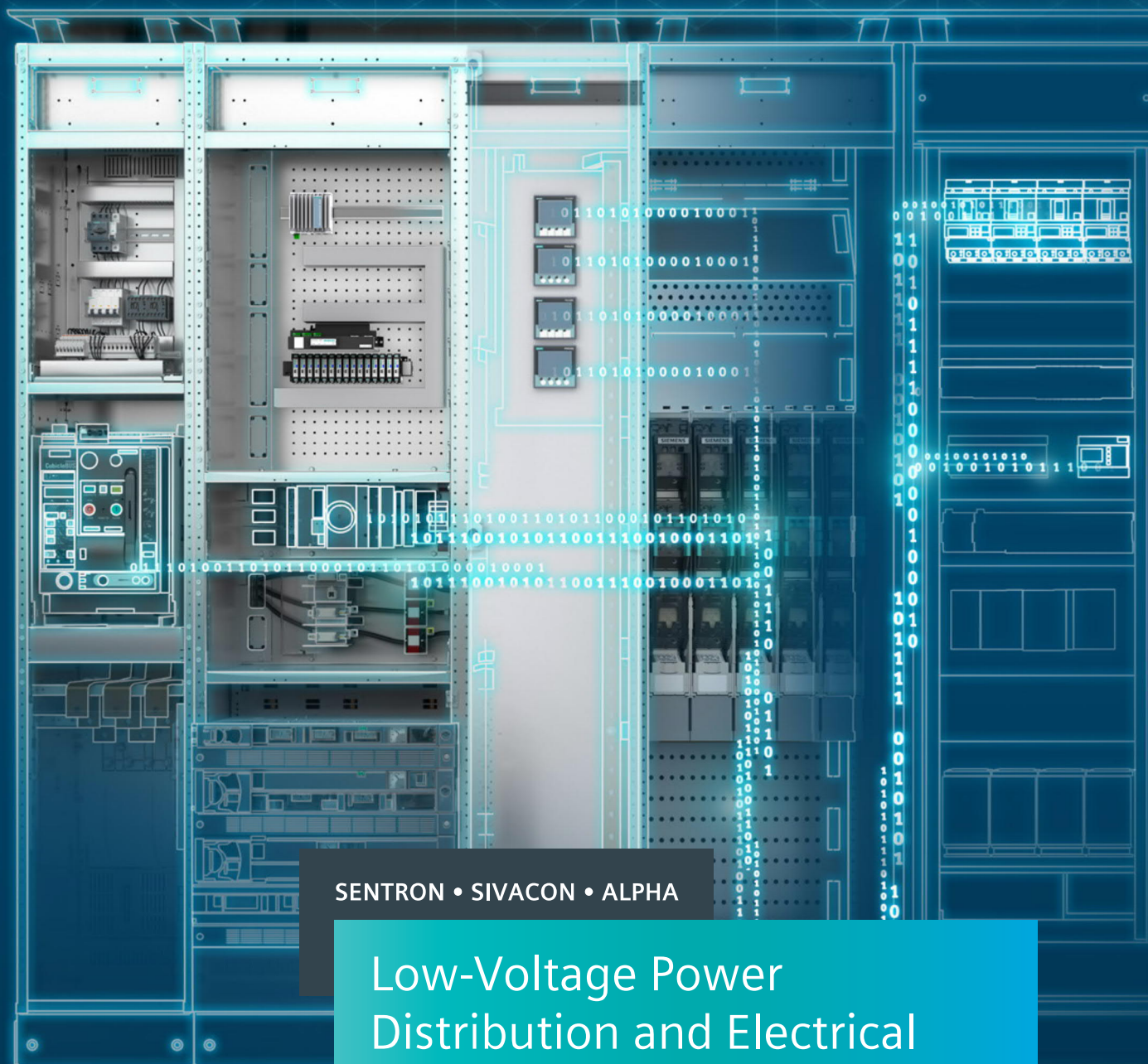


SIEMENS



SETRON • SIVACON • ALPHA

Low-Voltage Power Distribution and Electrical Installation Technology

Switch Disconnectors

Catalog
Extract
LV 10

Edition
04/2020

[siemens.com/lowvoltage](https://www.siemens.com/lowvoltage)

Making sure power makes its way

Consistent, safe and intelligent low-voltage power distribution and electrical installation technology

Whether industries, infrastructures or buildings: Each environment depends on a reliable power supply.

Which is why products and systems featuring maximum safety and optimum efficiency are in demand. This comprehensive portfolio for low-voltage power distribution and electrical installation technology covers every requirement – from the switchboard to the socket outlet.

We are there when you need us

Your personal contact can be found at
www.siemens.com/lowvoltage/contact

Catalog LV 10 · 04/2020

You will find the latest edition and all future editions in the Siemens Industry Online Support at
www.siemens.com/lowvoltage/catalogs

Refer to the Industry Mall for current prices
www.siemens.com/industrymall

The products and systems listed in this catalog are developed and manufactured using a certified quality management system in accordance with DIN EN ISO 9001:2008.

Technical data

The technical specifications are for general information purposes only. Always heed the operating instructions and notices on individual products during assembly, operation and maintenance.

All illustrations are not binding.

© Siemens 2020

Low-Voltage Power Distribution and Electrical Installation Technology

	Introduction	I/2
Protecting	Air Circuit Breakers	1/1
	Molded Case Circuit Breakers	2/1
	Miniature Circuit Breakers	3/1
	Residual Current Protective Devices / Arc Fault Detection Devices (AFDDs)	4/1
	Switching Devices	5/1
	Overvoltage Protection Devices	6/1
	Fuse Systems	7/1
Protecting, Switching and Isolating	Switch Disconnectors	8/1
Switching and Isolating	Transfer Switching Equipment and Load Transfer Switches	9/1
Measuring and Monitoring	Measuring Devices, Power Monitoring and Digitalization Solutions	10/1
	Monitoring Devices	11/1
Distribution	Transformers, Power Supply Units and Socket Outlets	12/1
	Busbar Systems	13/1
	Terminal Blocks	14/1
	Power Distribution Boards, Motor Control Centers and Distribution Boards	15/1
	Busbar Trunking Systems	16/1
	System Cubicles, System Lighting and System Air-Conditioning	17/1
	Appendix	A/1

I

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

A

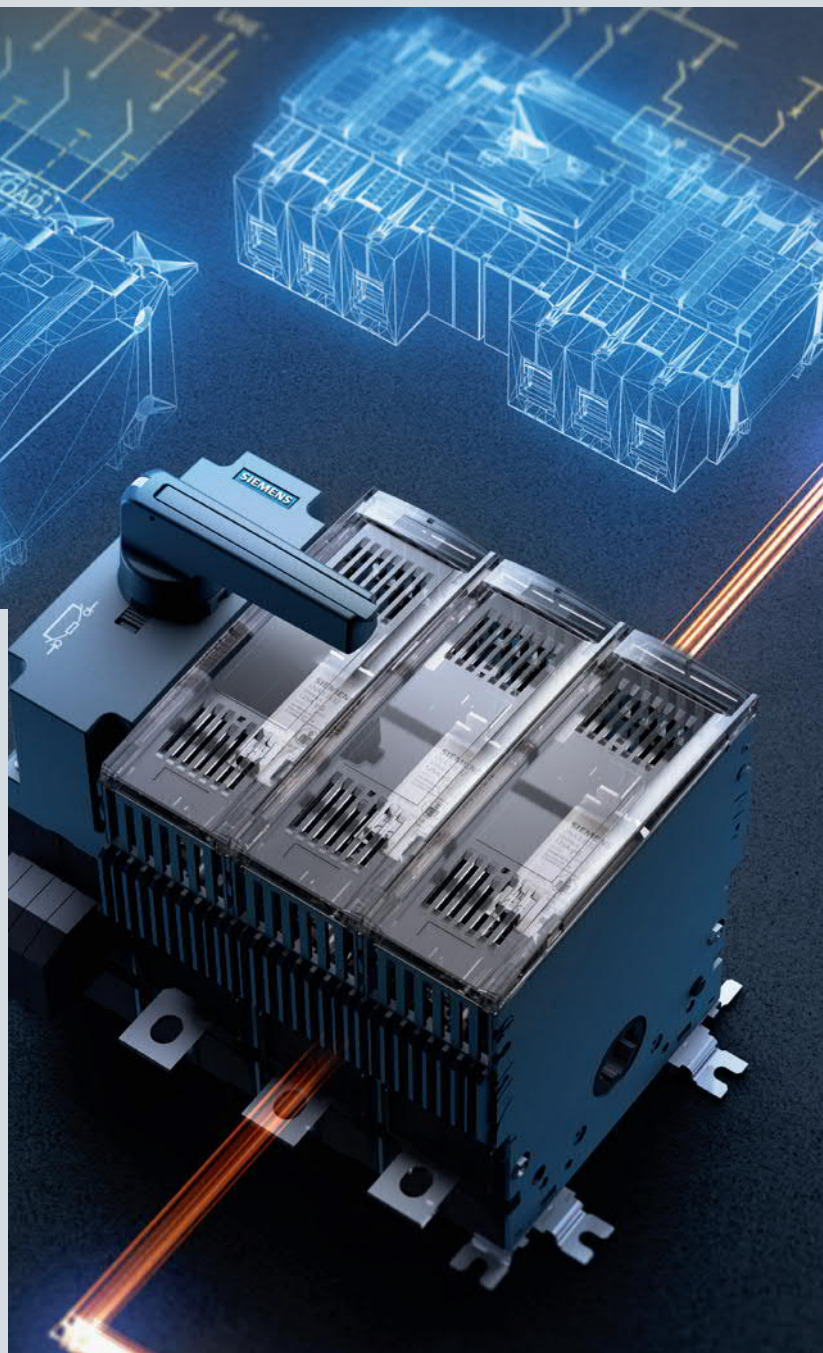
End-to-end safety for user and systems

Assembly or maintenance: work on electrical installations and devices must be made sufficiently safe to prevent accidents or harm. The safety of the operating personnel is paramount.

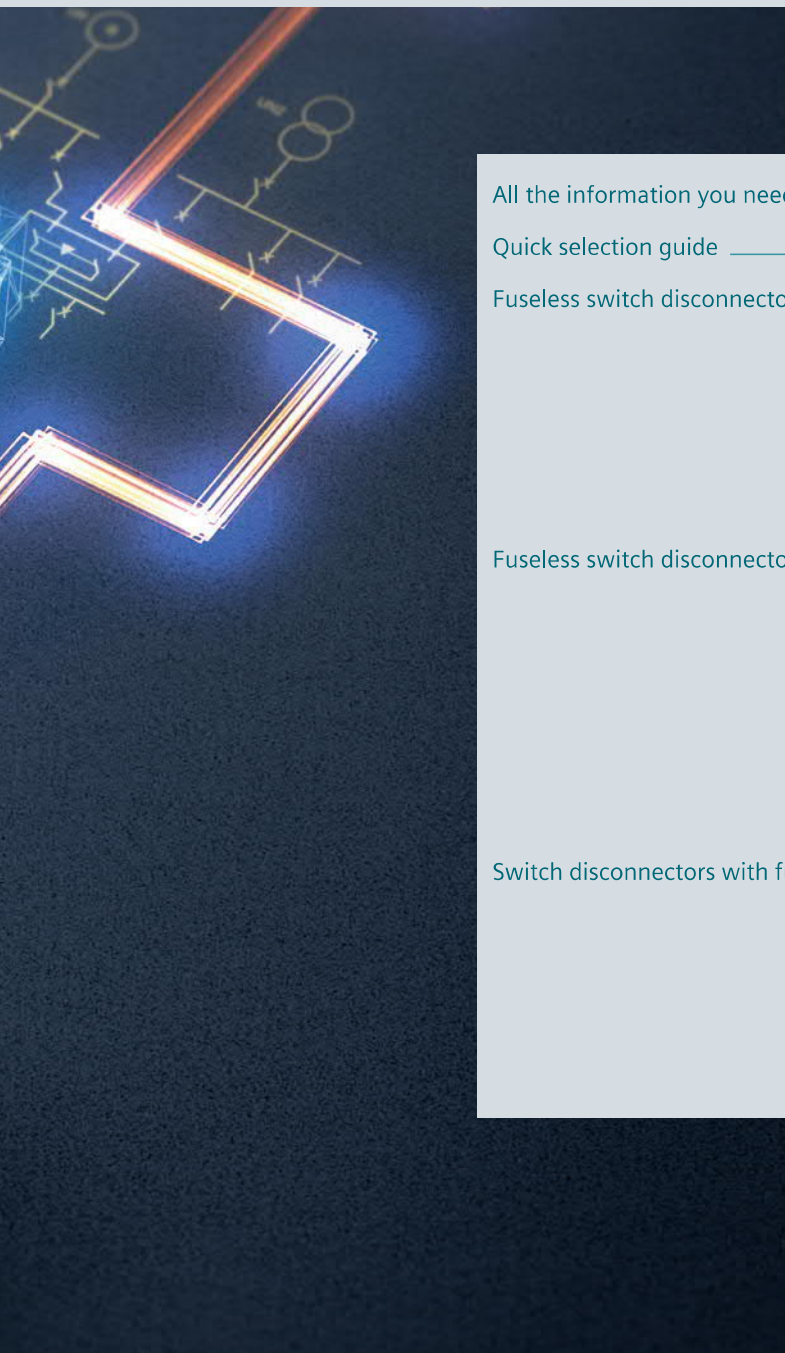
To ensure this, it is necessary to be able to disconnect the installation safely from the power supply. Siemens switch disconnectors permit permanent switch-on and switch-off under a load and thus protect the user from electric shock. They also prevent unauthorized switching on of machines.

The devices are simply mounted and quickly commissioned. Additional functions can be retrofitted at any time – thanks to the modular design of the devices and a comprehensive range of accessories.

Convenient ordering processes and fast delivery optimize stock management and reduce the time and money expended. You can also make use of our CAx data for automated, simplified planning and configuring.



Switch Disconnectors



All the information you need	8/2
Quick selection guide	8/4
Fuseless switch disconnectors	8/6
Quick selection guide	8/6
3LD switch disconnectors	8/10
3KD switch disconnectors	8/62
5TE1 switch disconnectors	8/76
Fuseless switch disconnectors	8/76
Quick selection guide	8/78
3NP1 fuse switch disconnectors	8/80
3NP5 fuse switch disconnectors	8/94
3NJ4 fuse switch disconnectors	8/98
5SG76 fuse switch disconnectors	8/110
Switch disconnectors with fuses	8/112
Quick selection guide	8/112
3KF switch disconnectors with fuses	8/116
3NJ62 switch disconnectors with fuses	8/132
5SG switch disconnectors with fuses	8/144

A multitude of additional information ...

Information + ordering

All the important things at a glance

Information to get you started

For information about switch disconnectors, please visit our website
www.siemens.com/switching-devices

Your product in detail

The Siemens Industry Online Support portal provides comprehensive information
www.siemens.com/lowvoltage/product-support

- Technical basic information – Switch disconnectors and transfer switching equipment (**109763354**)

The relevant tender specifications can be found at
www.siemens.com/lowvoltage/tenderspecifications

Use our conversion tool for quick and easy conversion to Siemens products www.siemens.com/conversion-tool

Configurators

Exactly the right switch disconnector for your application

The configurator reduces the time and effort required in the planning and ordering process, and allows for individual adaptations.

Configure your 3NJ62 switch disconnector at
www.siemens.com/lowvoltage/3nj62-configurator
 and your 3NP1 fuse switch disconnector at
www.siemens.com/lowvoltage/3np1-configurator

Choose the right SITOP semiconductor fuse for your application
www.siemens.com/lowvoltage/sitor-configurator

Contact persons in your region

We are there when you need us

You can find your local contacts at
www.siemens.com/lowvoltage/contact

Everything you need for your order

Refer to the Industry Mall for an overview of your products

- Switching devices
sie.ag/2mryctm

Direct forwarding to the individual products in the Industry Mall by clicking on the Article No. in the catalog or by entering this web address incl. Article No.
www.siemens.com/product?Article No.

You will find order support for the electrical wholesale trade carrying fast-selling items in the Siemens Industry Online Support at
www.siemens.com/lowvoltage/catalogs

- Order support – 3KD switch disconnectors – End-to-end safety for user and systems (**109750228**)
- Order support – 3LD2 main control and EMERGENCY-STOP-switching equipment – End-to-end safety for user and systems (**109755626**)
- Order support – 3NP1 fuse switch disconnectors – End-to-end safety for user and systems (**109755624**)
- Order support – 3KF switch disconnectors with fuses – End-to-end safety for user and systems (**109750229**)
- Order support – 3NJ6 switch disconnectors with fuses – End-to-end safety for user and systems (**109755619**)

... can be found in our online services

Commissioning + operation

Your product in detail

The Siemens Industry Online Support portal provides detailed technical information

www.siemens.com/lowvoltage/product-support

- Operating instructions
- Certificates

Engineering data for CAD or CAE systems are available in the CAx Download Manager at

www.siemens.com/lowvoltage/cax

The fast track to the experts

Competent expert advice on technical questions with a wide range of demand-optimized services for all our products and systems.

Assistance with technical queries is provided at www.siemens.com/lowvoltage/support-request

We offer a comprehensive portfolio of services.

You can find your local contacts at

www.siemens.com/lowvoltage/contact

You can find further information on services at

www.siemens.com/service-catalog

Manuals

Manuals are available for downloading in Siemens Industry Online Support at

www.siemens.com/lowvoltage/manuals

- Configuration manual – Switch disconnectors ([109769744](#))
- Configuration manual – Fuse systems ([45314810](#))
- Configuration manual – Transfer switching equipment and load transfer switches ([109769745](#))
- Configuration manual – Busbar systems ([109769746](#))
- System manual – SENTRON 3NJ62 In-Line Plug-In switch disconnectors with fuses ([31753460](#))
- Equipment manual – 3KD switch disconnectors ([109758120](#))
- System manual – SENTRON 3NP1 fuse switch disconnectors ([33515690](#))

Technical overview – Switch disconnectors



The fast way to get you to our online services

This page provides you with comprehensive information and links on switch disconnectors

www.siemens.com/lowvoltage/product-support ([109764946](#))

Quick selection guide

Load switching devices for all applications



Fuseless switch disconnectors ³⁾

Functional switching ¹⁾



	Type	3LD3	3LD2	3LD5 UL new	3KD	3VA	5TE
	Rated current I_n	16 ... 63 A	16 ... 250 A	30 ... 160 A	16 ... 2000 A	63 ... 630 A	100 ... 200 A
	Short-circuit current max.	6 kA	50 kA	50 kA	100 kA	110 kA ⁵⁾	33 kA
Selection acc. to utilization category	AC max.	AC-3	AC-3	AC-3	AC-23A	AC-23A	AC-23A
	DC max.	–	DC-22A	–	DC-23A	DC-23A (up to 250 A)	DC-23A
	Suitable fuses	–	–	–	–	–	–
Types of mounting	Floor mounting	■	■	■	■	■	–
	Mounting on a standard mounting rail	■	■ (up to 125 A)	■ (up to 30 A)	■ (up to 250 A)	■ (up to 160 A)	■
	Front mounting (e.g. in panel door)	■	■	■	–	–	–
	Mounting on busbar systems (spacing of the busbars)	–	–	–	–	■	–
	Draw-out technology	–	–	–	–	■	–
Methods of operation	Manual from the front	■	■	■	■	■	■
	Manual from the side	–	–	–	■	■	–
	Remote-controllable	–	–	–	–	■	–
Number of poles	1-pole	–	–	–	–	–	–
	2-pole	–	–	–	–	–	■
	3-pole	■	■	■	■	■	■
	4-pole	■	■	■	■	■	■
	6-pole	–	■	–	■	–	–
Switching function	All poles	■	■	■	■	■	■
	Individual poles switchable	–	–	–	–	–	–

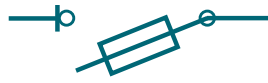
More information

from page 8/10

¹⁾ According to DIN VDE 0100-200, functional switching is an operation intended to switch on or off or vary the supply of electric energy to an electrical installation or parts of it for normal operating purposes.





²⁾ Devices for occasional switching usually have a substantially lower electrical endurance and are switched no more than 1× per minute in the tests.

³⁾ Pure switching without protection function



Fuse switch disconnectors ⁴⁾

Occasional switching ²⁾

			
3NP1	3NP5	3NJ4	5SG76
160 ... 630 A	160 ... 630 A	160 ... 1600 A	16 A
120 kA	100 kA	120 kA	50 kA
AC-23B	AC-23B	AC-23B	AC-22A
DC-23B	DC-23B	–	–
IEC LV HRC	IEC LV HRC	IEC LV HRC	Neozed
■	■	–	–
■	–	–	■
–	–	–	–
40/60 mm	40/60 mm	60/100/185 mm	–
–	–	–	–
■	■	■	■
–	–	–	–
–	–	–	–
■	–	–	■
■	–	–	■
■	■	■	■
■	–	–	■
–	–	–	–
■	■	■	■
–	–	■	–





from page 8/80



Switch disconnectors with fuse ⁴⁾

Functional switching ¹⁾

Occasional switching ²⁾

			
3KF LV HRC	3KF SITOR	3NJ62	5SG71/72
32 ... 800 A	32 ... 800 A	63 ... 630 A	63 A
100 kA	100 kA	100 kA	50 kA
AC-23A	AC-23A	AC-23B	AC-23A
DC-23A	DC-23A	DC-23B	DC-22B
IEC LV HRC	IEC LV HRC, optimized for semiconductor protection	IEC LV HRC/BS	Neozed
■	■	–	–
■	■	–	■
–	–	–	–
–	–	185 mm	60 mm
–	–	■	–
■	■	■	■
■	■	–	–
–	–	■	–
–	–	–	■
–	–	■	■
■	■	■	■
–	–	–	–
■	■	■	■
–	–	–	–

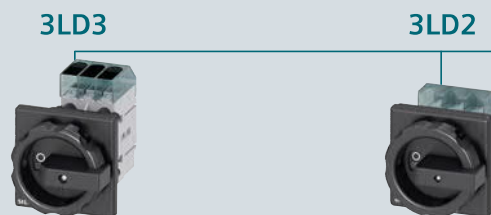
from page 8/116

⁴⁾ The suitable fuses protect persons, motors, installations and generators against short circuit and overload

⁵⁾ With a line-side fuse for 415 V

Fuseless switch disconnectors

Quick selection guide



Type			3LD30	3LD31	3LD32	3LD33	3LD34	3LD20	3LD21	3LD22
General technical specifications acc. to IEC 60947-3										
General technical specifications										
Rated uninterrupted current I _u		A	16	25	32	40	63	16	25	32
Rated operational voltage U _e	At 50/60 Hz AC	V	690					690		
	At DC – 2 conducting paths in series	V	–					–		
	At DC – 3 conducting paths in series	V	–					–		
	At DC – 4 conducting paths in series	V	–					–		
Operating and short-circuit behavior										
Rated operational current I _e ¹⁾	At AC-20A AC-20B at 1000 V	A	–	–	–	–	–	–	–	–
	At AC-21A AC-21B at 400 V	A	16	25	32	40	63	16	25	32
	At AC-21A AC-21B at 690 V	A	16	25	32	40	63	16	25	32
	At AC-22A AC-22B at 400 V	A	16	20	22	36	43	16	25	32
	At AC-22A AC-22B at 690 V	A	9	11	13	17	22	16	25	32
	At AC-22A AC-22B at 1000 V	A	–	–	–	–	–	–	–	–
	At AC-23A AC-23B at 400 V	A	16	20	22	36	43	16	20	22
	At AC-23A AC-23B at 690 V	A	9	11	13	17	22	9	11	13
	At DC-20A DC-20B at 1000 V	A	–	–	–	–	–	–	–	–
	At DC-21A DC-21B at 110 V	A	–	–	–	–	–	–	–	–
	At DC-21A DC-21B at 220 V	A	–	–	–	–	–	–	–	–
	At DC-21A DC-21B at 440 V	A	–	–	–	–	–	–	–	–
	At DC-22A DC-22B at 220 V	A	–	–	–	–	–	–	–	–
	At DC-22A DC-22B at 440 V	A	–	–	–	–	–	–	–	–
	At DC-23A DC-23B at 220 V	A	–	–	–	–	–	–	–	–
	At DC-23A DC-23B at 440 V	A	–	–	–	–	–	–	–	–
Motor switching capacity	At AC-23A AC-23B at 400 V	kW	7.5	9.5	11.5	18.5	22	7.5	9.5	11.5
	At AC-23A AC-23B at 690 V	kW	7.5	9	11.5	15	18.5	7.5	9.5	11.5
	At AC-3 bei 400 V	kW	5.5	7.5	9.5	11.5	18.5	5.5	7.5	9.5
	At AC-3 bei 690 V	kW	5.5	7.5	9.5	11.5	15	5.5	7.5	9.5
Rated short-time withstand current I _{cw}	At 690 V AC (t=1 s)	kA	0.5	0.5	0.5	1	1	0.34	0.64	0.64
	At 1000 V AC (t=1 s)	kA	–	–	–	–	–	–	–	–
Rated conditional short-circuit current with upstream fuse	At 400/415 V AC	kA	6	6	6	6	6	50	50	50
	At 690 V AC	kA	6	6	6	6	6	50	50	50
Degree of protection										
Maximum achievable IP degree of protection (with a rotary operating mechanism)			IP65					IP65		
General technical specifications acc. to UL										
General technical specifications										
Certification according to UL standard			UL 508					UL 508		
I _n acc. to UL 508 UL489	A	16 –	25 –	32 –	40 –	63 –	16 –	25 –	32 –	
U _e acc. to UL 508 UL489	V AC	600 –					600 –			
Operating and short-circuit behavior										
Operational power, three-phase	At 480 V	hp	7.5	10	20	20	25	7.5	10	20
	At 600 V	hp	10	15	20	20	30	10	15	20
Short circuit current rating (SCCR)	At 480 V at 600 V	kA	5 5					5 5	5 5	5 5
Upstream fuse according to UL			RK5					RK5		
More information										
Catalog LV 10 04/2020			see page 8/10					see page 8/20		

3LD2



3LD5 UL new



5TE



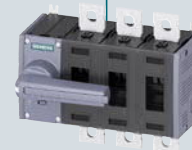
3LD25	3LD27	3LD28	3LD23	3LD24	3LD50	3LD52	3LD56	3LD58	5TE1.1	5TE1.2	5TE1.3	5TE1.4
63	100	125	160	250	32	100	125	160	100	125	160	200
690					690				690	690	690	690
–					–				110	110	110	110
–					–				–	–	–	–
–					–				220	220	220	220
–	–	–	–	–	–	–	–	–	–	–	–	–
63	100	125	160	250	32	100	125	160	100	100	160	200
63	100	125	160	250	32	100	125	160	100	100	160	200
63	100	125	140	230	32	100	125	160	–	–	–	–
63	100	125	140	230	32	100	125	160	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–
43	70	80	132	224	32	100	125	160	80	80	125	125
22	34	39	47	58	22	39	47	58	40	40	63	80
–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	100	100	160	160
–	–	–	–	–	–	–	–	–	100	100	160	160
–	–	–	–	–	–	–	–	–	100	100	160	160
–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	100	100	160	160
22	37	45	75	132	15	45	55	75	44	44	69	88
18.5	30	37	45	55	18.5	37	45	55	36	36	60	76
18.5	30	37	50	110	15	45	55	75	–	–	–	–
15	22	30	37	45	15	30	37	45	–	–	–	–
1.26	2	2	4	4	1.26	4	4	4	2.5	2.5	3	3
–	–	–	–	–	–	–	–	–				
50	50	25	50	50	50	50	50	50	50	50	50	50
50	50	25	50	50	50	50	50	30	33	33	33	33
IP65					IP65				No info.			
UL 508					UL508 / UL489				UL 508			
63 –	100 –	125 –	160 –	250 –	30 30	100 100	125 125	150 150	–	80 –	100 –	125 –
600 –					480 480				–	480 –		
40	60	75	75	100	20	60	75	100	–	20	15	15
50	75	100	50	75	–	–	–	–	–	–	–	–
5 5	10 10	10 10	10 10	10 10	50 –	65 –	65 –	50 –	–	50 –	50 –	50 –
RK5					J CC	J	J	J	–	J	J	J
see page 8/20					see page 8/52				see page 8/76			

Fuseless switch disconnectors

Quick selection guide



3KD



Type			3KD 16	3KD 22	3KD 26	3KD 28..–M.	3KD 28..–N	3KD 30..–M.	3KD 30..–N.	3KD 32	3KD 34
General technical specifications acc. to IEC 60947-3											
General technical specifications											
Rated uninterrupted current I _u		A	16	32	63	80	80	100	100	125	160
Rated operational voltage U _e	At 50/60 Hz AC	V	1000	1000	1000	1000	1000	1000	1000	1000	1000
	At DC – 2 conducting paths in series	V	220	220	220	220	220	220	220	220	220
	At DC – 3 conducting paths in series	V	440	440	440	440	440	440	440	440	440
	At DC – 4 conducting paths in series	V	–	–	–	–	–	–	–	–	–
Operating and short-circuit behavior											
Rated operational current I _e ¹⁾	At AC-20A AC-20B at 1000 V	A	16	32	63	80	80	100	100	125	160
	At AC-21A AC-21B at 400 V	A	16	32	63	80	80	100	100	125	160
	At AC-21A AC-21B at 690 V	A	16	32	63	80	80	100	100	125	160
	At AC-22A AC-22B at 400 V	A	16	32	63	80	80	100	100	125	160
	At AC-22A AC-22B at 690 V	A	16	32	63	80	80	100	100	125	160
	At AC-22A AC-22B at 1000 V	A	16	32	63	80	80	80	100	125	160
	At AC-23A AC-23B at 400 V	A	16	32	63	80	80	80	100	125	160
	At AC-23A AC-23B at 690 V	A	16	32	63	80	80	80	100	125	160
	At DC-20A DC-20B at 1000 V	A	16	32	63	80	80	100	100	125	160
	At DC-21A DC-21B at 110 V	A	16	32	63	80	80	80	100	125	160
	At DC-21A DC-21B at 220 V	A	16	32	63	80	80	80	100	125	160
	At DC-21A DC-21B at 440 V	A	16	32	63	80	80	80	100	125	160
	At DC-22A DC-22B at 220 V	A	16	32	63	80	80	80	100	125	160
	At DC-22A DC-22B at 440 V	A	16	32	63	80	80	80	100	125	160
	At DC-23A DC-23B at 220 V	A	16	32	63	80	80	80	100	125	160
	At DC-23A DC-23B at 440 V	A	16	32	63	80	80	80	100	125	160
Motor switching capacity	At AC-23A AC-23B at 400 V	kW	7.5	15	30	45	45	45	55	55	90
	At AC-23A AC-23B at 690 V	kW	11	30	55	75	75	75	90	110	110
	At AC-3 bei 400 V	kW	–	–	–	–	–	–	–	–	–
	At AC-3 bei 690 V	kW	–	–	–	–	–	–	–	–	–
Rated short-time withstand current I _{cw}	At 690 V AC (t=1 s)	kA	3	3	3	3	4	3	4	4	4
	At 1000 V AC (t=1 s)	kA	3	3	3	3	4	3	4	4	4
Rated conditional short-circuit current with upstream fuse	At 400/415 V AC	kA	100	100	100	100	100	100	100	100	100
	At 690 V AC	kA	100	100	100	100	80	100	80	80	80
Degree of protection											
Maximum achievable IP degree of protection (with a rotary operating mechanism)			IP65								
General technical specifications acc. to UL											
General technical specifications											
Certification according to UL standard			–								
I _n acc. to UL 508 UL489	A	–									
U _e acc. to UL 508 UL489	V AC	–									
Operating and short-circuit behavior											
Operational power, three-phase	At 480 V	hp	–								
	At 600 V	hp	–								
Short circuit current rating (SCCR)	At 480 V at 600 V	kA	–								
Fuse type			–								
More information											
Catalog LV 10 04/2020			see page 8/62								

3KD



3KD 36...-N	3KD 36...-P	3KD 38...-N	3KD 38...-P	3KD 40	3KD 42	3KD 44...-P	3KD 44...-Q	3KD 46	3KD 48	3KD 50...-Q	3KD 50...-R	3KD 52	3KD 54	3KD 56
200	200	250	250	315	400	500	500	630	800	1000	1000	1250	1600	2000
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
220	220	220	220	220	220	220	220	220	220	220	220	220	220	220
440	440	440	440	440	440	440	440	440	440	440	440	440	440	440
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200	200	250	250	315	400	500	500	630	800	1000	1000	1250	1600	2000
200	200	250	250	315	400	500	500	630	800	1000	1000	1250	1600	2000
200	200	200	250	315	400	400	500	630	800	1000	1000	1250	1600	2000
200	200	250	250	315	400	500	500	630	800	1000	1000	1250	1600	2000
160	200	200	250	315	400	400	500	630	800	1000	1000	1250	1600	2000
160	200	200	250	315	400	400	500	630	800	800	1000	1250	1600	1600
160	200	160	250	315	400	400	500	630	800	1000	1000	1250	1600	2000
160	200	160	250	315	400	400	500	630	800	1000	1000	1250	1600	2000
200	200	250	250	315	400	500	500	630	800	1000	1000	1250	1600	2000
160	200	160	250	315	400	400	500	630	800	800	1000	1250	1600	1600
160	200	160	250	315	400	400	500	630	800	800	1000	1250	1600	1600
160	200	160	250	315	400	400	500	630	800	800	1000	1250	1600	1600
160	200	160	250	315	400	400	500	630	800	800	-	-	-	-
160	200	160	250	315	400	400	500	630	800	800	-	-	-	-
160	200	160	250	315	400	400	500	630	800	800	-	-	-	-
160	200	160	250	315	400	400	500	630	800	800	-	-	-	-
90	110	90	132	160	200	200	250	355	400	560	560	710	900	1000
110	185	110	250	315	315	315	500	630	800	1000	1000	1000	1000	1000
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	13	4	13	13	13	13	30	30	30	30	55	55	55	55
4	13	4	13	13	13	13	30	30	30	30	55	55	55	55
100	100	100	100	100	100	100	100	100	100	100	100	80	80	80
80	80	80	80	80	80	80	80	80	80	80	80	100	100	65
IP65														
-														
-														
-														
-														
-														
-														
-														

see page 8/62

3LD switch disconnectors

System overview of 3LD3 main control and EMERGENCY-STOP switches

Basic units for front mounting



3P rotary operating mechanisms



3P knob-operated mechanisms



3P+N rotary operating mechanisms



3P+N knob-operated mechanisms

Basic units for floor mounting



3P rotary operating mechanisms



3P knob-operated mechanisms



3P+N rotary operating mechanisms



3P+N knob-operated mechanisms

Basic units for installation in distribution boards



3P knob-operated mechanisms



3P basic switches without knob-operated mechanism



3P+N knob-operated mechanisms



3P+N basic switches without knob-operated mechanism

Additional poles and auxiliary switches



N switching contacts



N/PE terminals



Auxiliary switches

Operating mechanisms



Rotary operating mechanisms for front or floor mounting (center hole)



Knob-operated mechanisms for front or floor mounting (center hole)



Door-coupling rotary operating mechanisms



Door-coupling knob-operated mechanisms

Other accessories



Terminal covers, 1 and 3-pole

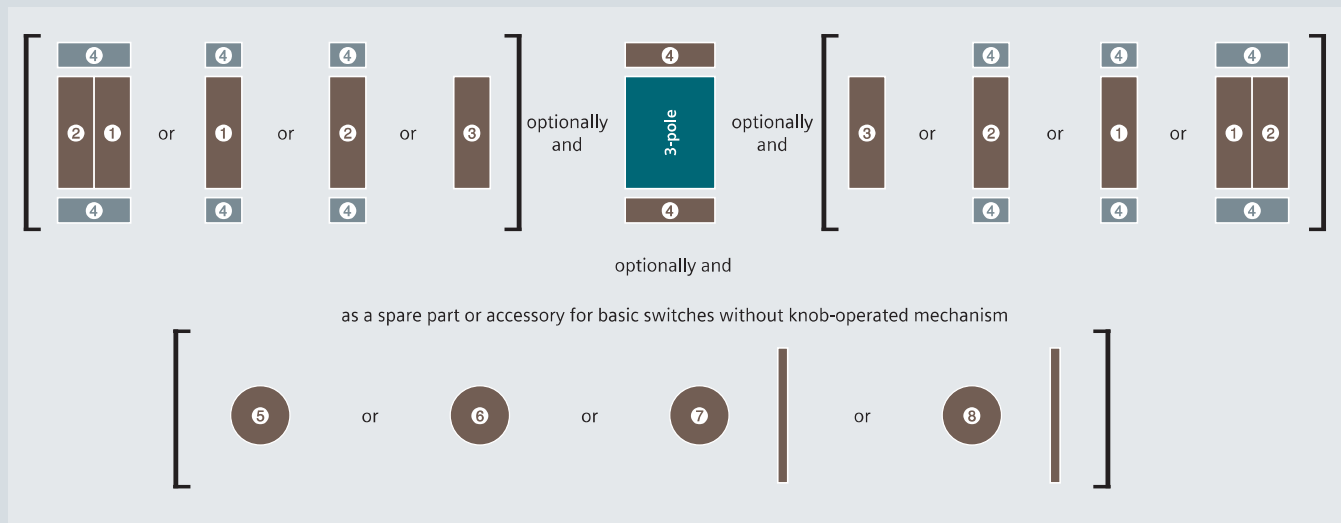


Inscription labels

Note:

You will find a detailed range of accessories with the basic units.

Mounting concept and accessories



Mounting types

Front mounting



The switches for front mounting are mounted on the inside of the panel door via the operating mechanism. The switches are mounted via the 22.5 mm diameter center hole.

You will find further information under:
sie.ag/2UlrAvy



Floor mounting



The switches for floor mounting are snapped onto 35 mm standard mounting rails according to EN 60715 or screw-mounted on mounting panels. The actuators are connected to the lower section of the switch through a door coupling, which can be released in its zero position, and a 300 mm long switch shaft. When the control cabinet door is open, the switch can be protected against inadvertent operation by removing the switch shaft from the lower section of the switch. The overall depth can be adapted to individual requirements by adjusting the switch shaft length.

Distribution board mounting



The switches for distribution board mounting are suited for operation in distribution boards and for switching inside control cabinets or distributors. They have cap and mounting dimensions acc. to DIN 43880 and can be fitted under the same cover together with miniature circuit breakers. The selector switches can be locked in their OFF position with no more than one padlock with a hasp thickness of 4 to 6 mm.

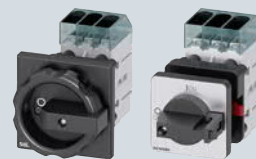
Basic switches without knob-operated mechanism



For the basic switch variant without knob-operated mechanism, the appropriate door-coupling rotary operating mechanism can be ordered separately.

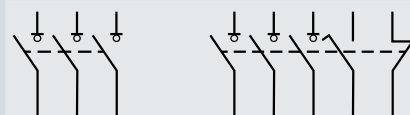
3LD switch disconnectors

3LD3 main control and EMERGENCY-STOP switches, front mounting, 6 kA_{rms}



Operating mechanisms, black

Number of poles 3P



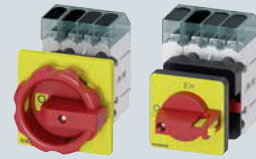
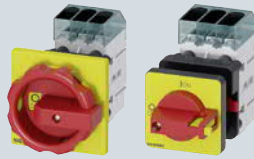
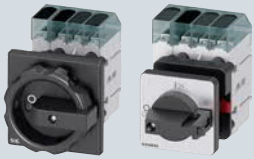
Uninterrupted current I _u At AC-21A, 380 ... 440 V	Operational power P At AC-23A, 380 ... 440 V	Operational power P At AC-3, 380 ... 440 V	Without auxiliary switch	1 NO + 1 NC
Rotary operating mechanisms				
16 A	7.5 kW	5.5 kW	3LD3054-0TK51	3LD3054-1TK51
25 A	9 kW	7.5 kW	3LD3154-0TK51	3LD3154-1TK51
32 A	11.5 kW	9.5 kW	3LD3254-0TK51	3LD3254-1TK51
40 A	18.5 kW	11.5 kW	3LD3354-0TK51	3LD3354-1TK51
63 A	22 kW	18.5 kW	3LD3454-0TK51	3LD3454-1TK51
Knob-operated mechanisms				
16 A	7.5 kW	5.5 kW	3LD3050-0TK11	3LD3050-1TK11
25 A	9 kW	7.5 kW	3LD3150-0TK11	3LD3150-1TK11
32 A	11.5 kW	9.5 kW	3LD3250-0TK11	3LD3250-1TK11
40 A	18.5 kW	11.5 kW	3LD3350-0TK11	3LD3350-1TK11
63 A	22 kW	18.5 kW	3LD3450-0TK11	3LD3450-1TK11

Scope of supply:

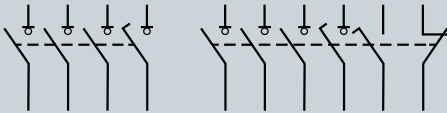
- Including terminal covers for the infeed side

Accessories

			3LD30 (16 A)	3LD31 (25 A)	3LD32 (32 A)	3LD33 (40 A)	3LD34 (63 A)
Additional poles							
	Variant	Contacts	Article No.				
	Switching contact for N conductor (4th contact)	Leading switch-on, lagging switch-off	3LD9340-0B	■	■	■	■
	N terminal	Through-type	3LD9340-2B	■	■	■	■
	PE terminal	Through-type	3LD9340-3B	■	■	■	■
Auxiliary switches							
		Contacts	Article No.				
		1 NO + 1 NC	3LD9340-6B	■	■	■	■
Rotary operating mechanisms							
		Color	Article No.				
		Black	3LD9344-4C	■	■	■	■
		Red/yellow	3LD9344-5C	■	■	■	■
Knob-operated mechanisms							
		Color	Article No.				
		Black	3LD9343-6C	■	■	■	■
		Red/yellow	3LD9343-7C	■	■	■	■



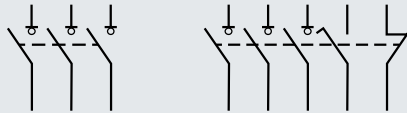
3P+N

Without
auxiliary switch

1 NO + 1 NC

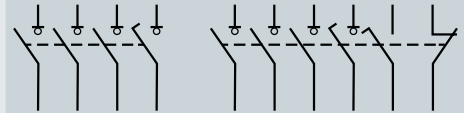
Operating mechanisms, red/yellow

3P

Without
auxiliary switch

1 NO + 1 NC

3P+N

Without
auxiliary switch

1 NO + 1 NC

3LD3054-OTL51
3LD3154-OTL51
3LD3254-OTL51
3LD3354-OTL51
3LD3454-OTL51

3LD3054-1TL51
3LD3154-1TL51
3LD3254-1TL51
3LD3354-1TL51
3LD3454-1TL51

3LD3054-OTK53
3LD3154-OTK53
3LD3254-OTK53
3LD3354-OTK53
3LD3454-OTK53

3LD3054-1TK53
3LD3154-1TK53
3LD3254-1TK53
3LD3354-1TK53
3LD3454-1TK53

3LD3054-OTL53
3LD3154-OTL53
3LD3254-OTL53
3LD3354-OTL53
3LD3454-OTL53

3LD3054-1TL53
3LD3154-1TL53
3LD3254-1TL53
3LD3354-1TL53
3LD3454-1TL53

3LD3050-OTL11
3LD3150-OTL11
3LD3250-OTL11
3LD3350-OTL11
3LD3450-OTL11

3LD3050-1TL11
3LD3150-1TL11
3LD3250-1TL11
3LD3350-1TL11
3LD3450-1TL11

3LD3050-OTK13
3LD3150-OTK13
3LD3250-OTK13
3LD3350-OTK13
3LD3450-OTK13

3LD3050-1TK13
3LD3150-1TK13
3LD3250-1TK13
3LD3350-1TK13
3LD3450-1TK13

3LD3050-OTL13
3LD3150-OTL13
3LD3250-OTL13
3LD3350-OTL13
3LD3450-OTL13

3LD3050-1TL13
3LD3150-1TL13
3LD3250-1TL13
3LD3350-1TL13
3LD3450-1TL13

8

3LD30
(16 A) 3LD31
(25 A) 3LD32
(32 A) 3LD33
(40 A) 3LD34
(63 A)

Terminal covers

- Pack of 4 units

Version

For N switching contacts, N terminals or PE terminals

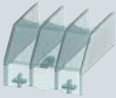
Article No.

3LD9341-2A



For 3-pole 3LD3 switch disconnectors

3LD9341-0A



Inscription labels

- Pack of 10 units

Inscription

German / English (Hauptschalter / Main Switch)

French / Spanish (Interrupteur Principal / Interruptor Principal)

Without inscription

Article No.

3LD9346-1A

3LD9346-2A

3LD9346-3A



3LD switch disconnectors

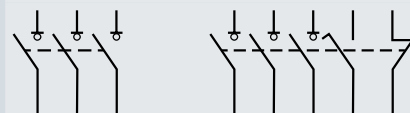
3LD3 main control and EMERGENCY-STOP switches, floor mounting, 6 kA_{rms}



Number of poles

Operating mechanisms, black

3P



Uninterrupted current I _N At AC-21A, 380 ... 440 V	Operational power P At AC-23A, 380 ... 440 V	Operational power P At AC-3, 380 ... 440 V	Without auxiliary switch	1 NO + 1 NC
Rotary operating mechanisms				
16 A	7.5 kW	5.5 kW	3LD3048-OTK51	3LD3048-1TK51
25 A	9 kW	7.5 kW	3LD3148-OTK51	3LD3148-1TK51
32 A	11.5 kW	9.5 kW	3LD3248-OTK51	3LD3248-1TK51
40 A	18.5 kW	11.5 kW	3LD3348-OTK51	3LD3348-1TK51
63 A	22 kW	18.5 kW	3LD3448-OTK51	3LD3448-1TK51
Knob-operated mechanisms				
16 A	7.5 kW	5.5 kW	3LD3040-OTK11	3LD3040-1TK11
25 A	9 kW	7.5 kW	3LD3140-OTK11	3LD3140-1TK11
32 A	11.5 kW	9.5 kW	3LD3240-OTK11	3LD3240-1TK11
40 A	18.5 kW	11.5 kW	3LD3340-OTK11	3LD3340-1TK11
63 A	22 kW	18.5 kW	3LD3440-OTK11	3LD3440-1TK11

Scope of supply:

- Including terminal covers for the infeed side

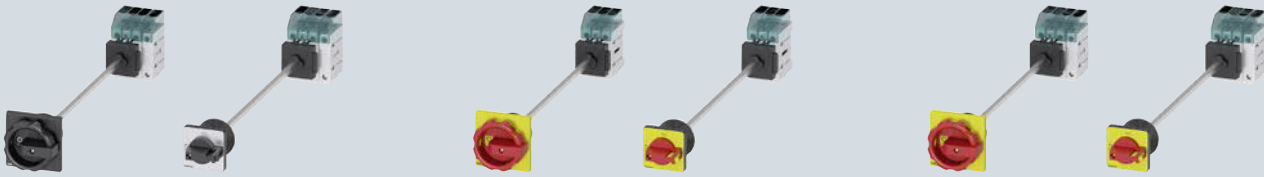
Mounting:

- Using screws or snap-on mounting on 35 mm mounting rails




Accessories

3LD30 (16 A) 3LD31 (25 A) 3LD32 (32 A) 3LD33 (40 A) 3LD34 (63 A)

Additional poles					
	Variant	Contacts	Article No.		
	Switching contact for N conductor (4th contact)	Leading switch-on, lagging switch-off	3LD9340-0C	■	■
	N terminal	Through-type	3LD9340-2C	■	■
	PE terminal	Through-type	3LD9340-3C	■	■
Auxiliary switches					
	Contacts	Article No.			
	1 NO + 1 NC	3LD9340-6C	■	■	■
Rotary operating mechanisms					
	Version	Color	Article No.		
	Incl. funnel	Black	3LD9344-2C	■	■
		Red/yellow	3LD9344-3C	■	■
Knob-operated mechanisms					
	Version	Color	Article No.		
	Incl. funnel	Black	3LD9343-4C	■	■
		Red/yellow	3LD9343-5C	■	■



Operating mechanisms, red/yellow					
3P+N		3P		3P+N	
Without auxiliary switch	1 NO + 1 NC	Without auxiliary switch	1 NO + 1 NC	Without auxiliary switch	1 NO + 1 NC
3LD3048-OTL51	3LD3048-1TL51	3LD3048-OTK53	3LD3048-1TK53	3LD3048-OTL53	3LD3048-1TL53
3LD3148-OTL51	3LD3148-1TL51	3LD3148-OTK53	3LD3148-1TK53	3LD3148-OTL53	3LD3148-1TL53
3LD3248-OTL51	3LD3248-1TL51	3LD3248-OTK53	3LD3248-1TK53	3LD3248-OTL53	3LD3248-1TL53
3LD3348-OTL51	3LD3348-1TL51	3LD3348-OTK53	3LD3348-1TK53	3LD3348-OTL53	3LD3348-1TL53
3LD3448-OTL51	3LD3448-1TL51	3LD3448-OTK53	3LD3448-1TK53	3LD3448-OTL53	3LD3448-1TL53
3LD3040-OTL11	3LD3040-1TL11	3LD3040-OTK13	3LD3040-1TK13	3LD3040-OTL13	3LD3040-1TL13
3LD3140-OTL11	3LD3140-1TL11	3LD3140-OTK13	3LD3140-1TK13	3LD3140-OTL13	3LD3140-1TL13
3LD3240-OTL11	3LD3240-1TL11	3LD3240-OTK13	3LD3240-1TK13	3LD3240-OTL13	3LD3240-1TL13
3LD3340-OTL11	3LD3340-1TL11	3LD3340-OTK13	3LD3340-1TK13	3LD3340-OTL13	3LD3340-1TL13
3LD3440-OTL11	3LD3440-1TL11	3LD3440-OTK13	3LD3440-1TK13	3LD3440-OTL13	3LD3440-1TL13

				3LD30 (16 A)	3LD31 (25 A)	3LD32 (32 A)	3LD33 (40 A)	3LD34 (63 A)
Door-coupling rotary operating mechanisms								
	Variant	Color	Article No.					
	Rotary operating mechanisms 66 × 66 mm	Black	3LD9344-2CA	■	■	■	■	■
		Red/yellow	3LD9344-3CA	■	■	■	■	■
	Knob-operated mechanisms 48 × 48 mm	Black	3LD9343-4CA	■	■	■	■	■
		Red/yellow	3LD9343-5CA	■	■	■	■	■
Terminal covers								
	• Pack of 4 units							
	Version	Article No.						
	For N switching contacts, N terminals or PE terminals		3LD9341-2A	■	■	■	■	■
	For 3LD3 3-pole switch disconnectors		3LD9341-0A	■	■	■	■	■
Inscription labels								
	• Pack of 10 units							
	Inscription	Article No.						
	German / English (Hauptschalter / Main Switch)		3LD9346-1A	■	■	■	■	■
	French / Spanish (Interrupteur Principal / Interruptor Principal)		3LD9346-2A	■	■	■	■	■
Without inscription		3LD9346-3A	■	■	■	■	■	

3LD switch disconnectors

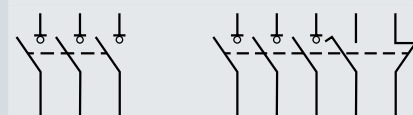
3LD3 main control and EMERGENCY-STOP switches,
installation in distribution boards and basic switches
without direct operating mechanism, 6kA_{rms}



Operating mechanisms, black

Number of poles

3P



Uninterrupted current I _n At AC-21A, 380 ... 440 V	Operational power P At AC-23A, 380 ... 440 V	Operational power P At AC-3, 380 ... 440 V	Without auxiliary switch	1 NO + 1 NC
Basic switch with masking plate and selector knob, standard rail mounting				
16 A	7.5 kW	5.5 kW	3LD3030-0TK11	3LD3030-1TK11
25 A	9 kW	7.5 kW	3LD3130-0TK11	3LD3130-1TK11
32 A	11.5 kW	9.5 kW	3LD3230-0TK11	3LD3230-1TK11
40 A	18.5 kW	11.5 kW	3LD3330-0TK11	3LD3330-1TK11
63 A	22 kW	18.5 kW	3LD3430-0TK11	3LD3430-1TK11
Basic switches without knob-operated mechanism				
16 A	7.5 kW	5.5 kW	3LD3010-0TK05	3LD3010-1TK05
25 A	9 kW	7.5 kW	3LD3110-0TK05	3LD3110-1TK05
32 A	11.5 kW	9.5 kW	3LD3210-0TK05	3LD3210-1TK05
40 A	18.5 kW	11.5 kW	3LD3310-0TK05	3LD3310-1TK05
63 A	22 kW	18.5 kW	3LD3410-0TK05	3LD3410-1TK05

Scope of supply:

- Basic switches without direct operating mechanism, incl. terminal covers for the infeed side

Mounting:

- Using screws or snap-on mounting on 35 mm mounting rails

Accessories for switches for installation in distribution boards and basic switches without knob-operated mechanism

			3LD30 (16 A)	3LD31 (25 A)	3LD32 (32 A)	3LD33 (40 A)	3LD34 (63 A)
Additional poles							
	Variant	Contacts	Article No.				
	Switching contact for N conductor (4th contact)	Leading switch-on, lagging switch-off	3LD9340-0C	■	■	■	■
	N terminal	Through-type	3LD9340-2C	■	■	■	■
	PE terminal	Through-type	3LD9340-3C	■	■	■	■
Auxiliary switches							
		Contacts	Article No.				
		1 NO + 1 NC	3LD9340-6C	■	■	■	■
Terminal covers							
	• Pack of 4 units						
	Version	Article No.					
	For N switching contacts, N terminals or PE terminals	3LD9341-2A	■	■	■	■	■
	For 3LD3 3-pole switch disconnectors		3LD9341-0A	■	■	■	■



Operating mechanisms, red/yellow

3P+N		3P		3P+N	
Without auxiliary switch	1 NO + 1 NC	Without auxiliary switch	1 NO + 1 NC	Without auxiliary switch	1 NO + 1 NC
3LD3030-OTL11	3LD3030-1TL11	3LD3030-OTK13	3LD3030-1TK13	3LD3030-OTL13	3LD3030-1TL13
3LD3130-OTL11	3LD3130-1TL11	3LD3130-OTK13	3LD3130-1TK13	3LD3130-OTL13	3LD3130-1TL13
3LD3230-OTL11	3LD3230-1TL11	3LD3230-OTK13	3LD3230-1TK13	3LD3230-OTL13	3LD3230-1TL13
3LD3330-OTL11	3LD3330-1TL11	3LD3330-OTK13	3LD3330-1TK13	3LD3330-OTL13	3LD3330-1TL13
3LD3430-OTL11	3LD3430-1TL11	3LD3430-OTK13	3LD3430-1TK13	3LD3430-OTL13	3LD3430-1TL13
3LD3010-OTL05	3LD3010-1TL05	–	–	–	–
3LD3110-OTL05	3LD3110-1TL05	–	–	–	–
3LD3210-OTL05	3LD3210-1TL05	–	–	–	–
3LD3310-OTL05	3LD3310-1TL05	–	–	–	–
3LD3410-OTL05	3LD3410-1TL05	–	–	–	–

8

Accessories for basic switches without operating mechanism

3LD30 (16 A)	3LD31 (25 A)	3LD32 (32 A)	3LD33 (40 A)	3LD34 (63 A)
-----------------	-----------------	-----------------	-----------------	-----------------

Rotary operating mechanisms



Version	Color	Article No.	3LD30 (16 A)	3LD31 (25 A)	3LD32 (32 A)	3LD33 (40 A)	3LD34 (63 A)
Incl. funnel	Black	3LD9344-2C	■	■	■	■	■
	Red/yellow	3LD9344-3C	■	■	■	■	■

Knob-operated mechanisms



Version	Color	Article No.	3LD30 (16 A)	3LD31 (25 A)	3LD32 (32 A)	3LD33 (40 A)	3LD34 (63 A)
Incl. funnel	Black	3LD9343-4C	■	■	■	■	■
	Red/yellow	3LD9343-5C	■	■	■	■	■

Door-coupling rotary operating mechanisms



Variant	Color	Article No.	3LD30 (16 A)	3LD31 (25 A)	3LD32 (32 A)	3LD33 (40 A)	3LD34 (63 A)
Rotary operating mechanisms 66 × 66 mm	Black	3LD9344-2CA	■	■	■	■	■
	Red/yellow	3LD9344-3CA	■	■	■	■	■
Knob-operated mechanisms 48 × 48 mm	Black	3LD9343-4CA	■	■	■	■	■
	Red/yellow	3LD9343-5CA	■	■	■	■	■








Inscription labels



• Pack of 10 units						
Inscription	Article No.					
German / English (Hauptschalter / Main Switch)	3LD9346-1A	■	■	■	■	■
French / Spanish (Interrupteur Principal / Interruptor Principal)	3LD9346-2A	■	■	■	■	■
Without inscription	3LD9346-3A	■	■	■	■	■

3LD switch disconnectors

3LD3 main control and EMERGENCY-STOP switches, accessories

				3LD30 (16 A)	3LD31 (25 A)	3LD32 (32 A)	3LD33 (40 A)	3LD34 (63 A)
Switching contacts for N conductor (4th contact)								
	Version	Contacts	Article No.					
	For front mounting	Leading switch-on, lagging switch-off	3LD9340-0B	■	■	■	■	■
	For floor mounting, installation in distribution boards and basic switches without knob-operated mechanism	Leading switch-on, lagging switch-off	3LD9340-0C	■	■	■	■	■
N terminals								
	Version	Contacts	Article No.					
	For front mounting	Through-type	3LD9340-2B	■	■	■	■	■
	For floor mounting, installation in distribution boards and basic switches without knob-operated mechanism	Through-type	3LD9340-2C	■	■	■	■	■
PE terminals								
	Version	Contacts	Article No.					
	For front mounting	Through-type	3LD9340-3B	■	■	■	■	■
	For floor mounting, installation in distribution boards and basic switches without knob-operated mechanism	Through-type	3LD9340-3C	■	■	■	■	■
Auxiliary switches								
	Version	Contacts	Article No.					
	For front mounting	1 NO + 1 NC	3LD9340-6B	■	■	■	■	■
	For floor mounting, installation in distribution boards and basic switches without knob-operated mechanism	1 NO + 1 NC	3LD9340-6C	■	■	■	■	■

					3LD30 (16 A)	3LD31 (25 A)	3LD32 (32 A)	3LD33 (40 A)	3LD34 (63 A)
Rotary operating mechanisms									
	Version		Color	Article No.					
	For front mounting, without funnel		Black	3LD9344-4C	■	■	■	■	■
			Red/yellow	3LD9344-5C	■	■	■	■	■
	For floor mounting and basic switches without knob-operated mechanism, with funnel		Black	3LD9344-2C	■	■	■	■	■
			Red/yellow	3LD9344-3C	■	■	■	■	■
Knob-operated mechanisms									
	Version		Color	Article No.					
	For front mounting, without funnel		Black	3LD9343-6C	■	■	■	■	■
			Red/yellow	3LD9343-7C	■	■	■	■	■
	For floor mounting and basic switches without knob-operated mechanism, with funnel		Black	3LD9343-4C	■	■	■	■	■
			Red/yellow	3LD9343-5C	■	■	■	■	■
Door-coupling rotary operating mechanisms									
	Version	Variant	Color	Article No.					
	For floor mounting and basic switches without knob-operated mechanism	Rotary operating mechanisms 66 × 66 mm	Black	3LD9344-2CA	■	■	■	■	■
			Red/yellow	3LD9344-3CA	■	■	■	■	■
		Knob-operated mechanisms 48 × 48 mm	Black	3LD9343-4CA	■	■	■	■	■
			Red/yellow	3LD9343-5CA	■	■	■	■	■
Terminal covers									
	<ul style="list-style-type: none"> For front mounting, floor mounting, installation in distribution boards and basic switches without knob-operated mechanism Pack of 4 units 								
	Number of poles			Article No.					
	1-pole			3LD9341-2A	■	■	■	■	■
	3-pole			3LD9341-0A	■	■	■	■	■
Inscription labels									
	<ul style="list-style-type: none"> Pack of 10 units Not for installation in distribution boards 								
	Inscription			Article No.					
	German / English (Hauptschalter / Main Switch)			3LD9346-1A	■	■	■	■	■
	French / Spanish (Interrupteur Principal / Interruptor Principal)			3LD9346-2A	■	■	■	■	■
	Without inscription			3LD9346-3A	■	■	■	■	■

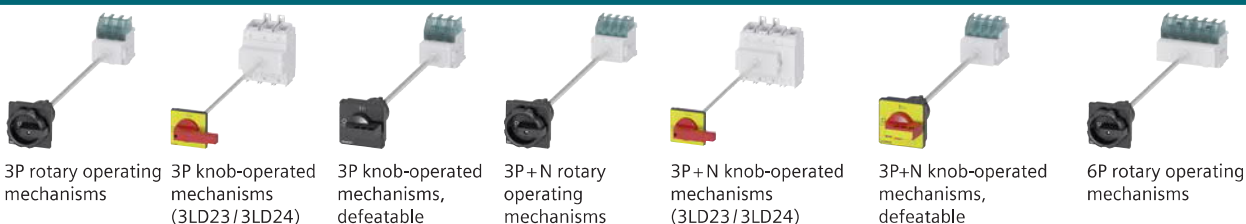
3LD switch disconnectors

System overview of 3LD2 switch disconnectors

Basic units for front mounting



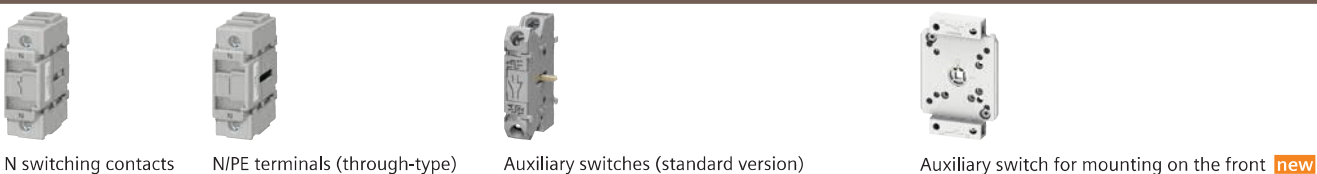
Basic units for floor mounting



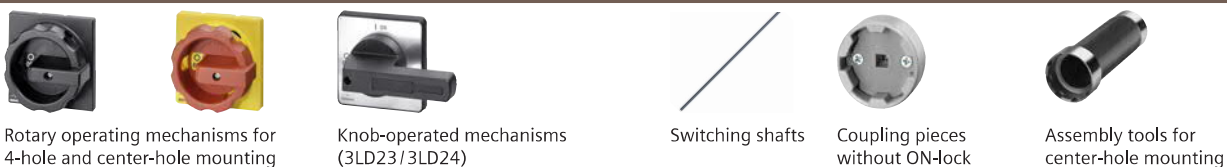
Basic units for installation in distribution boards/enclosures, DC



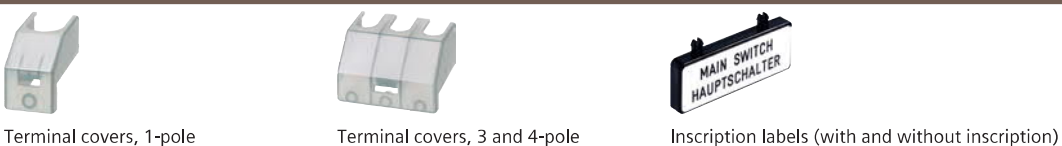
Additional poles and auxiliary switches



Operating mechanisms



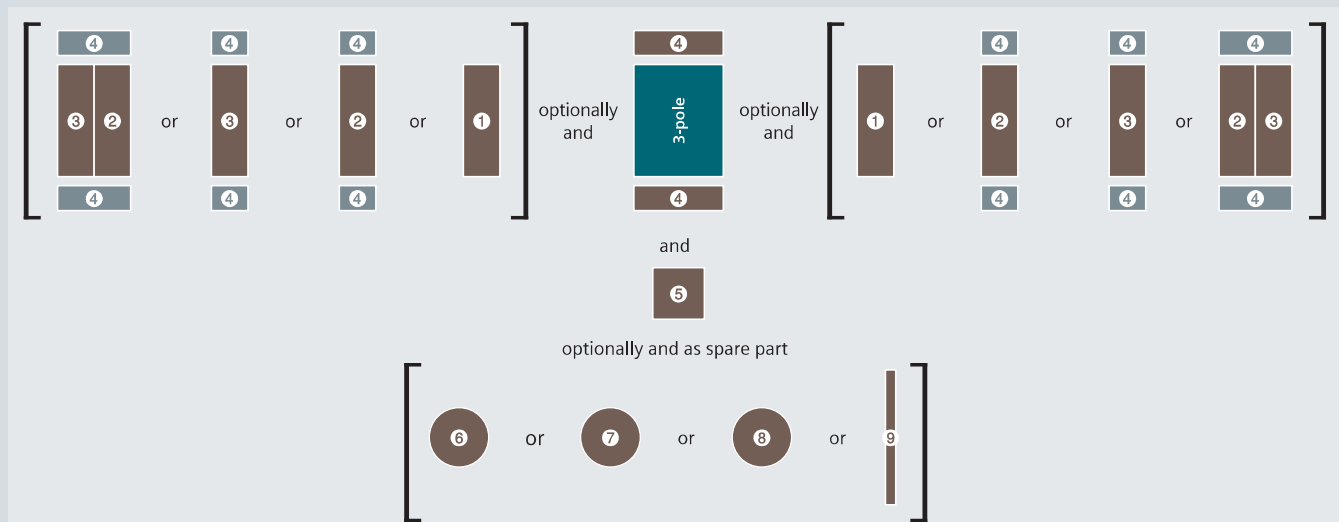
Other accessories



Note:

You will find a detailed range of accessories with the basic units.

Mounting concept and accessories



Legend

- ① Auxiliary switch
 - ② N switching contact ¹⁾
 - ③ N/PE terminal
 - ④ Terminal cover
 - ⑤ Auxiliary switch for mounting on the front ²⁾
 - ⑥ Rotary operating mechanism, center-hole mounting
 - ⑦ Rotary operating mechanism, four-hole mounting
 - ⑧ Knob-operated mechanism, four-hole mounting
 - ⑨ Switching shaft (300 or 600)
- ¹⁾ The N switching contact ② first has to be mounted on the basic unit
²⁾ Can only be used with four-hole front mounting and floor mounting



Mounting types

Front mounting



The switches for front mounting are mounted on the inside of the panel door via the operating mechanism. In addition to the 4-hole fastening of the handle, up to 63 A (3LD25) fastening with the 22.5 mm diameter center hole can also be chosen.

You will find further information under:
sie.ag/2UlrAvy



Floor mounting



The switches for floor mounting up to 125 A (3LD28) are snapped onto 35 mm standard mounting rails according to EN 60715 or screw-mounted on mounting panels. The switches for 160 and 250 A (3LD23/3LD24) are exclusively screwed onto mounting panels. The actuators are connected to the lower section of the switch through a door coupling, which can be released in its zero position, and a 300 mm long switch shaft. When the control cabinet door is open, the switch can be protected against inadvertent operation by removing the switch shaft from the lower section of the switch. The overall depth can be adapted to individual requirements by adjusting the switch shaft length.

Distribution board mounting



The switches for distribution board mounting are suited for operation in distribution boards and for switching inside control cabinets or distributors. Up to 125 A (3LD28), they have cap and mounting dimensions acc. to DIN 43880 and can be fitted under the same cover together with miniature circuit breakers.

DC isolators



The DC isolators in the enclosure are suitable for disconnecting loads of up to 800 V DC due to their 8-pole design. To provide additional safety, the isolators can be locked in the 0 position.

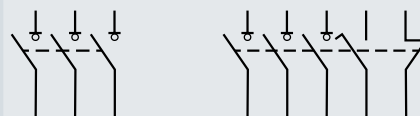
3LD switch disconnectors

3LD2 main control switches, front mounting, 25 ... 50 kA_{eff}



Operating mechanisms, black

Number of poles 3P



Uninterrupted current I _N At AC-21A, 380 ... 440 V	Operational power P At AC-23A, 380 ... 440 V	Operational power P At AC-3A, 380 ... 440 V	Without auxiliary switch	1 NO + 1 NC (standard version)
Rotary operating mechanism, four-hole mounting				
16 A	7.5 kW	5.5 kW	3LD2003-OTK51	3LD2003-1TP51
25 A	9.5 kW	7.5 kW	3LD2103-OTK51	3LD2103-1TP51
32 A	11.5 kW	9.5 kW	3LD2203-OTK51	3LD2203-1TP51
63 A	22 kW	18.5 kW	3LD2504-OTK51	3LD2504-1TP51
100 A	37 kW	30 kW	3LD2704-OTK51	3LD2704-1TP51
125 A	45 kW	37 kW	3LD2804-OTK51	3LD2804-1TP51
160 A	75 kW	50 kW	3LD2305-OTK11	3LD2305-OTK11 + 3LD9200-5B
250 A	132 kW	110 kW	3LD2405-OTK11	3LD2405-OTK11 + 3LD9200-5B
Rotary operating mechanism, center-hole mounting Ø 22.5 mm				
16 A	7.5 kW	5.5 kW	3LD2054-OTK51	3LD2054-1TP51
25 A	9.5 kW	7.5 kW	3LD2154-OTK51	3LD2154-1TP51
32 A	11.5 kW	9.5 kW	3LD2254-OTK51	3LD2254-OTK51 + 3LD9200-5B
63 A	22 kW	18.5 kW	3LD2555-OTK51	3LD2555-OTK51 + 3LD9200-5B
Knob-operated mechanism, four-hole mounting				
16 A	7.5 kW	5.5 kW	3LD2022-OTK11	3LD2022-OTK11 + 3LD9200-5B
25 A	9.5 kW	7.5 kW	3LD2122-OTK11	3LD2122-OTK11 + 3LD9200-5B
32 A	11.5 kW	9.5 kW	3LD2222-OTK11	3LD2222-OTK11 + 3LD9200-5B
Knob-operated mechanism, center-hole mounting Ø 22.5 mm				
16 A	7.5 kW	5.5 kW	3LD2050-OTK11	3LD2050-OTK11 + 3LD9200-5B
25 A	9.5 kW	7.5 kW	3LD2150-OTK11	3LD2150-OTK11 + 3LD9200-5B
32 A	11.5 kW	9.5 kW	3LD2250-OTK11	3LD2250-OTK11 + 3LD9200-5B

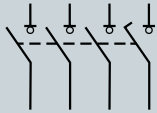
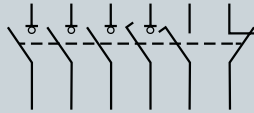
Scope of supply:

- Including terminal covers for the infeed side

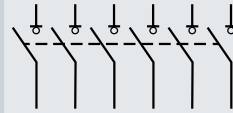
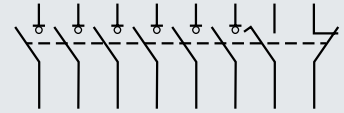
Accessories, see page 8/26



3P+N

Without
auxiliary switch1 NO + 1 NC
(standard version)

6P

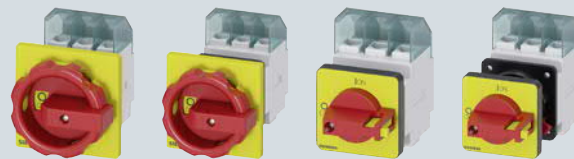
Without
auxiliary switch1 NO + 1 NC
(standard version)

3LD2003-1TL51	3LD2003-2EP51
3LD2103-1TL51	3LD2103-2EP51
3LD2203-1TL51	3LD2203-1TL51 + 3LD9200-5B
3LD2504-1TL51	3LD2504-1TP51 + 3LD9250-0BA
3LD2704-0TK51 + 3LD9280-0B	3LD2704-0TK51 + 3LD9280-0B + 3LD9200-5B
3LD2804-0TK51 + 3LD9280-0B	3LD2804-0TK51 + 3LD9280-0B + 3LD9200-5B
3LD2305-1TL11	3LD2305-1TL11 + 3LD9200-5B
3LD2405-1TL11	3LD2405-1TL11 + 3LD9200-5B
3LD2054-1TL51	3LD2054-2EP51
3LD2154-1TL51	3LD2154-2EP51
3LD2254-1TL51	3LD2254-1TL51 + 3LD9200-5B
3LD2555-0TK51 + 3LD9250-0BA	3LD2555-0TK51 + 3LD9250-0BA + 3LD9200-5B
3LD2022-1TL11	3LD2022-1TL11 + 3LD9200-5B
3LD2122-1TL11	3LD2122-1TL11 + 3LD9200-5B
3LD2222-0TK11 + 3LD9220-0B	3LD2222-0TK11 + 3LD9220-0B + 3LD9200-5B
3LD2050-1TL11	3LD2050-1TL11 + 3LD9200-5B
3LD2150-0TK11 + 3LD9220-0B	3LD2150-0TK11 + 3LD9220-0B + 3LD9200-5B
3LD2250-0TK11 + 3LD9220-0B	3LD2250-0TK11 + 3LD9220-0B + 3LD9200-5B

–	–
3LD2103-3VK51	3LD2103-4VP51
3LD2203-3VK51	3LD2203-3VK51 + 3LD9200-5B
3LD2504-3VK51	3LD2504-3VK51 + 3LD9200-5B
–	–
–	–
3LD2305-3VK11	3LD2305-3VK11 + 3LD9200-5B
3LD2405-3VK11	3LD2405-3VK11 + 3LD9200-5B

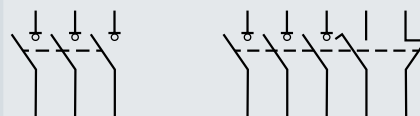
3LD switch disconnectors

3LD2 EMERGENCY-STOP switches, front mounting, 25 ... 50 kA_{eff}



Operating mechanisms, red/yellow

Number of poles 3P

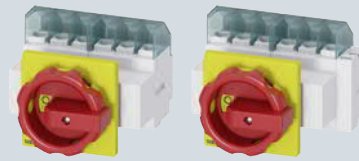
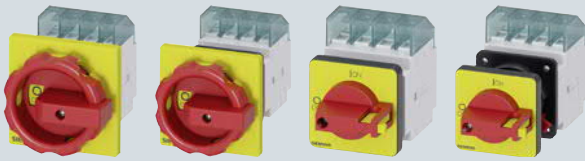


Uninterrupted current I _N At AC-21A, 380 ... 440 V	Operational power P At AC-23A, 380 ... 440 V	Operational power P At AC-3A, 380 ... 440 V	Without auxiliary switch	1 NO + 1 NC (standard version)
Rotary operating mechanism, four-hole mounting				
16 A	7.5 kW	5.5 kW	3LD2003-OTK53	3LD2003-1TP53
25 A	9.5 kW	7.5 kW	3LD2103-OTK53	3LD2103-1TP53
32 A	11.5 kW	9.5 kW	3LD2203-OTK53	3LD2203-1TP53
63 A	22 kW	18.5 kW	3LD2504-OTK53	3LD2504-1TP53
100 A	37 kW	30 kW	3LD2704-OTK53	3LD2704-1TP53
125 A	45 kW	37 kW	3LD2804-OTK53	3LD2804-1TP53
160 A	75 kW	50 kW	3LD2305-OTK13	3LD2305-OTK13 + 3LD9200-5B
250 A	132 kW	110 kW	3LD2405-OTK13	3LD2405-OTK13 + 3LD9200-5B
Rotary operating mechanism, center-hole mounting Ø 22.5 mm				
16 A	7.5 kW	5.5 kW	3LD2054-OTK53	3LD2054-1TP53
25 A	9.5 kW	7.5 kW	3LD2154-OTK53	3LD2154-1TP53
32 A	11.5 kW	9.5 kW	3LD2254-OTK53	3LD2254-OTK53 + 3LD9200-5B
63 A	22 kW	18.5 kW	3LD2555-OTK53	3LD2555-OTK53 + 3LD9200-5B
Knob-operated mechanism, four-hole mounting				
16 A	7.5 kW	5.5 kW	3LD2022-OTK13	3LD2022-OTK13 + 3LD9200-5B
25 A	9.5 kW	7.5 kW	3LD2122-OTK13	3LD2122-OTK13 + 3LD9200-5B
32 A	11.5 kW	9.5 kW	3LD2222-OTK13	3LD2222-OTK13 + 3LD9200-5B
Knob-operated mechanism, center-hole mounting Ø 22.5 mm				
16 A	7.5 kW	5.5 kW	3LD2050-OTK13	3LD2050-OTK13 + 3LD9200-5B
25 A	9.5 kW	7.5 kW	3LD2150-OTK13	3LD2150-OTK13 + 3LD9200-5B
32 A	11.5 kW	9.5 kW	3LD2250-OTK13	3LD2250-OTK13 + 3LD9200-5B

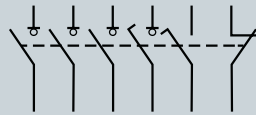
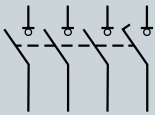
Scope of supply:

- Including terminal covers for the infeed side

Accessories, see page 8/26



3+N

Without
auxiliary switch1 NO + 1 NC
(standard version)

3LD2003-1TL53

3LD2003-2EP53

3LD2103-1TL53

3LD2103-2EP53

3LD2203-1TL53

3LD2203-1TL53 + 3LD9200-5B

3LD2504-1TL53

3LD2504-1TP53 + 3LD9250-0BA

3LD2704-0TK53 + 3LD9280-0B 3LD2704-0TK53 + 3LD9280-0B + 3LD9200-5B

3LD2804-0TK53 + 3LD9280-0B 3LD2804-0TK53 + 3LD9280-0B + 3LD9200-5B

3LD2305-1TL13 3LD2305-1TL13 + 3LD9200-5B

3LD2405-1TL13 3LD2405-1TL13 + 3LD9200-5B

3LD2054-1TL53

3LD2054-2EP53

3LD2154-1TL53

3LD2154-2EP53

3LD2254-1TL53 3LD2254-1TL53 + 3LD9200-5B

3LD2555-0TK53 + 3LD9250-0BA 3LD2555-0TK53 + 3LD9250-0BA + 3LD9200-5B

3LD2022-1TL13 3LD2022-1TL13 + 3LD9200-5B

3LD2122-1TL13 3LD2122-1TL13 + 3LD9200-5B

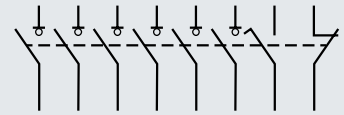
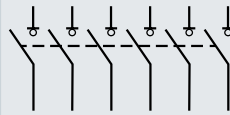
3LD2222-0TK13 + 3LD9220-0B 3LD2222-0TK13 + 3LD9220-0B + 3LD9200-5B

3LD2050-1TL13 3LD2050-1TL13 + 3LD9200-5B

3LD2150-0TK13 + 3LD9220-0B 3LD2150-0TK13 + 3LD9220-0B + 3LD9200-5B

3LD2250-0TK13 + 3LD9220-0B 3LD2250-0TK13 + 3LD9220-0B + 3LD9200-5B

6P

Without
auxiliary switch1 NO + 1 NC
(standard version)

—

—

3LD2103-3VK53

3LD2103-4VP53

3LD2203-3VK53

3LD2203-3VK53 + 3LD9200-5B

3LD2504-3VK53

3LD2504-3VK53 + 3LD9200-5B

—

—

3LD2305-3VK13

3LD2305-3VK13 + 3LD9200-5B

3LD2405-3VK13

3LD2405-3VK13 + 3LD9200-5B

—

—

—

—

—

—

—

—

—

—

—

—

—

—

—

—

—







—


—

—

3LD switch disconnectors

Accessories for front mounting

				3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)	3LD23 (160 A)	3LD24 (250 A)	
Switching contacts for N conductor (4th contact)												
	Contacts	Article No.										
	Leading switch-on, lagging switch-off	3LD9220-0B			■	■						
		3LD9250-0BA					■					
		3LD9280-0B						■	■			
		3LD9240-0B								■	■	
N/PE terminals												
	Contacts	Article No.										
	Through-type	3LD9200-2B		■								
		3LD9220-2B			■	■						
		3LD9250-2BA					■					
		3LD9280-2B						■	■			
		3LD9240-2B								■	■	
Auxiliary switches (standard version)												
	<ul style="list-style-type: none">For mounting on the left and/or rightLagging switch-on, leading switch-off											
	Contacts	Contact surface	Article No.									
	1 NO + 1 NC	Standard	3LD9200-5B		■	■	■	■	■	■	■	■
		Gold-plated	3LD9200-5BF		■	■	■	■	■	■	■	■
	Auxiliary switch for mounting on the front											
	<ul style="list-style-type: none">Mounted on the switch shaftFor four-hole front mounting onlyFor long leading times (20 ... 150 ms)											
	Contacts	Contact surface	Article No.									
	1 NO + 1 NC	Standard	3LD9280-5D new		■	■	■	■	■	■		
		Gold-plated	3LD9280-5DF new		■	■	■	■	■	■		
	Rotary operating mechanisms											
	<ul style="list-style-type: none">Lockable in 0 position with up to 3 padlocks											
	Version	Mounting	Article No.									
	For main control switches	Center-hole mounting	3LD9224-1D		■	■	■					
			3LD9284-1D					■				
		Four-hole mounting	3LD9224-1B		■	■	■					
			3LD9284-1B						■	■	■	
	For EMERGENCY-STOP switches	Center-hole mounting	3LD9224-3D		■	■	■					
			3LD9284-3D					■				
		Four-hole mounting	3LD9224-3B		■	■	■					
			3LD9284-3B						■	■	■	
Knob-operated mechanisms												
	<ul style="list-style-type: none">Lockable in 0 position with up to 3 padlocks											
	Version	Mounting	Article No.									
	For main control switches	Four-hole mounting	3LD9243-1B								■	■
	For EMERGENCY-STOP switches	Four-hole mounting	3LD9243-3B								■	■

		3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)	3LD23 (160 A)	3LD24 (250 A)	
Terminal covers										
	<ul style="list-style-type: none">Pack of 4 units									
	Number of poles	Article No.								
	1-pole	3LD9201-2A	■							
		3LD9221-2A		■	■					
		3LD9251-2A				■				
		3LD9281-2A					■	■		
		3LD9241-2A							■	■
	3-pole	3LD9221-0A		■	■					
		3LD9251-0A				■				
	4-pole	3LD9201-1A	■							

Inscription labels										
	- Pack of 10 units									
Inscription	Article No.									
German / English (Hauptschalter / Main Switch)	3LD9286-1A	■	■	■	■	■	■			
Without inscription	3LD9286-4A	■	■	■	■	■	■			
Assembly tools										
	- For center-hole mounting with nut - Pack of 5 units									
Version	Article No.									
For main control switches and EMERGENCY-STOP switches	3LD9256-0A	■	■	■	■					

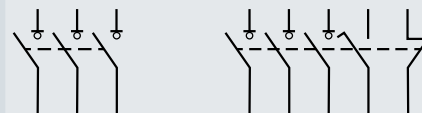
3LD switch disconnectors

3LD2 main control switches, floor mounting, 25 ... 50 kA_{eff}



Operating mechanisms, black

Number of poles 3P



Uninterrupted current I _N At AC-21A, 380 ... 440 V	Operational power P At AC-23A, 380 ... 440 V	Operational power P At AC-3A, 380 ... 440 V	Without auxiliary switch	1 NO + 1 NC (standard version)
Door-coupling rotary operating mechanism, four-hole mounting				
16 A	7.5 kW	5.5 kW	3LD2013-OTK51	3LD2013-OTK51 + 3LD9200-5C
25 A	9.5 kW	7.5 kW	3LD2113-OTK51	3LD2113-OTK51 + 3LD9200-5C
32 A	11.5 kW	9.5 kW	3LD2213-OTK51	3LD2213-OTK51 + 3LD9200-5C
63 A	22 kW	18.5 kW	3LD2514-OTK51	3LD2514-OTK51 + 3LD9200-5C
100 A	37 kW	30 kW	3LD2714-OTK51	3LD2714-OTK51 + 3LD9200-5C
125 A	45 kW	37 kW	3LD2814-OTK51	3LD2814-OTK51 + 3LD9200-5C
160 A	75 kW	50 kW	3LD2318-OTK11	3LD2318-OTK11 + 3LD9200-5C
250 A	132 kW	110 kW	3LD2418-OTK11	3LD2418-OTK11 + 3LD9200-5C
Door-coupling rotary operating mechanism, center-hole mounting Ø 22.5 mm				
16 A	7.5 kW	5.5 kW	3LD2044-OTK51	3LD2044-OTK51 + 3LD9200-5C
25 A	9.5 kW	7.5 kW	3LD2144-OTK51	3LD2144-OTK51 + 3LD9200-5C
32 A	11.5 kW	9.5 kW	3LD2244-OTK51	3LD2244-OTK51 + 3LD9200-5C
63 A	22 kW	18.5 kW	3LD2545-OTK51	3LD2545-OTK51 + 3LD9200-5C
Defeatable door-coupling knob-operated mechanism, four-hole mounting				
16 A	7.5 kW	5.5 kW	3LD2017-OTK11	3LD2017-OTK11 + 3LD9200-5C
32 A	11.5 kW	9.5 kW	3LD2217-OTK11	3LD2217-OTK11 + 3LD9200-5C
63 A	22 kW	18.5 kW	3LD2517-OTK11	3LD2517-OTK11 + 3LD9200-5C

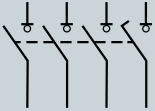
Scope of supply:

- Including terminal covers for the infeed side
- Up to 125 A with integrated tolerance compensation

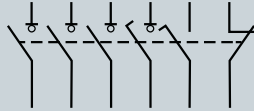
Mounting:

- Up to 125 A using screws or snap-on mounting on 35 mm mounting rails

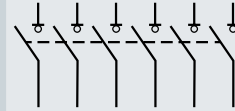
Accessories, see page 8/32

**3P+N**

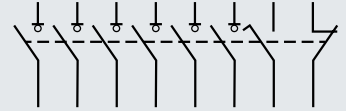
Without
auxiliary switch



1 NO + 1 NC
(standard version)

6P

Without
auxiliary switch



1 NO + 1 NC
(standard version)

3LD2013-1TL51	3LD2013-1TL51	+ 3LD9200-5C
3LD2113-1TL51	3LD2113-1TL51	+ 3LD9200-5C
3LD2213-1TL51	3LD2213-1TL51	+ 3LD9200-5C
3LD2514-1TL51	3LD2514-1TL51	+ 3LD9200-5C
3LD2714-0TK51 + 3LD9280-0C	3LD2714-0TK51 + 3LD9280-0C	+ 3LD9200-5C
3LD2814-0TK51 + 3LD9280-0C	3LD2814-0TK51 + 3LD9280-0C	+ 3LD9200-5C
3LD2318-1TL11	3LD2318-1TL11	+ 3LD9200-5C
3LD2418-1TL11	3LD2418-1TL11	+ 3LD9200-5C

3LD2044-1TL51	3LD2044-1TL51	+ 3LD9200-5C
3LD2144-1TL51	3LD2144-1TL51	+ 3LD9200-5C
3LD2244-1TL51	3LD2244-1TL51	+ 3LD9200-5C
3LD2545-0TK51 + 3LD9250-0CA	3LD2545-0TK51 + 3LD9250-0CA	+ 3LD9200-5C

3LD2017-1TL11	3LD2017-1TL11 + 3LD9200-5C
3LD2217-1TL11	3LD2217-1TL11 + 3LD9200-5C
3LD2517-1TL11	3LD2517-1TL11 + 3LD9200-5C

–	–
3LD2113-3VK51	3LD2113-4VP51
–	–
–	–
3LD2318-3VK11	3LD2318-3VK11 + 3LD9200-5C
3LD2418-3VK11	3LD2418-3VK11 + 3LD9200-5C

–	–
–	–
–	–
–	–
–	–
–	–

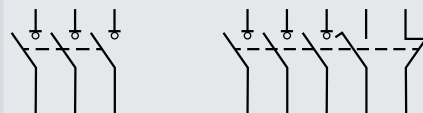
3LD switch disconnectors

3LD2 EMERGENCY-STOP switches, floor mounting, 25 ... 50 kA_{eff}



Operating mechanisms, red/yellow

Number of poles 3P



Uninterrupted current I _N At AC-21A, 380 ... 440 V	Operational power P At AC-23A, 380 ... 440 V	Operational power P At AC-3A, 380 ... 440 V	Without auxiliary switch	1 NO + 1 NC (standard version)
Door-coupling rotary operating mechanism, four-hole mounting				
16 A	7.5 kW	5.5 kW	3LD2013-OTK53	3LD2013-OTK53 + 3LD9200-5C
25 A	9.5 kW	7.5 kW	3LD2113-OTK53	3LD2113-OTK53 + 3LD9200-5C
32 A	11.5 kW	9.5 kW	3LD2213-OTK53	3LD2213-OTK53 + 3LD9200-5C
63 A	22 kW	18.5 kW	3LD2514-OTK53	3LD2514-OTK53 + 3LD9200-5C
100 A	37 kW	30 kW	3LD2714-OTK53	3LD2714-OTK53 + 3LD9200-5C
125 A	45 kW	37 kW	3LD2814-OTK53	3LD2814-OTK53 + 3LD9200-5C
160 A	75 kW	50 kW	3LD2318-OTK13	3LD2318-OTK13 + 3LD9200-5C
250 A	132 kW	110 kW	3LD2418-OTK13	3LD2418-OTK13 + 3LD9200-5C
Door-coupling rotary operating mechanism, center-hole mounting Ø 22.5 mm				
16 A	7.5 kW	5.5 kW	3LD2044-OTK53	3LD2044-OTK53 + 3LD9200-5C
25 A	9.5 kW	7.5 kW	3LD2144-OTK53	3LD2144-OTK53 + 3LD9200-5C
32 A	11.5 kW	9.5 kW	3LD2244-OTK53	3LD2244-OTK53 + 3LD9200-5C
63 A	22 kW	18.5 kW	3LD2545-OTK53	3LD2545-OTK53 + 3LD9200-5C
Defeatable door-coupling knob-operated mechanism, four-hole mounting				
16 A	7.5 kW	5.5 kW	3LD2017-OTK13	3LD2017-OTK13 + 3LD9200-5C
32 A	11.5 kW	9.5 kW	3LD2217-OTK13	3LD2217-OTK13 + 3LD9200-5C
63 A	22 kW	18.5 kW	3LD2517-OTK13	3LD2517-1TL13 + 3LD9200-5C

Scope of supply:

- Including terminal covers for the infeed side
- Up to 125 A with integrated tolerance compensation

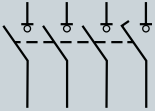
Mounting:

- Up to 125 A using screws or snap-on mounting on 35 mm mounting rails

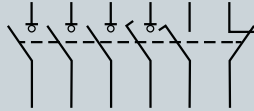
Accessories, see page 8/32



3P+N

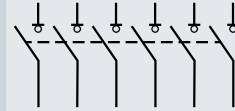


Without
auxiliary switch

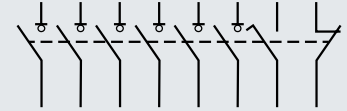


1 NO + 1 NC
(standard version)

6P



Without
auxiliary switch

















1 NO + 1 NC
(standard version)

3LD2013-1TL53	3LD2013-1TL53	+ 3LD9200-5C	–	–
3LD2113-1TL53	3LD2113-1TL53	+ 3LD9200-5C	3LD2113-3VK53	3LD2113-4VP53
3LD2213-1TL53	3LD2213-1TL53	+ 3LD9200-5C	–	–
3LD2514-1TL53	3LD2514-1TL53	+ 3LD9200-5C	–	–
3LD2714-0TK53 + 3LD9280-0C	3LD2714-0TK53 + 3LD9280-0C	+ 3LD9200-5C	–	–
3LD2814-0TK53 + 3LD9280-0C	3LD2814-0TK53 + 3LD9280-0C	+ 3LD9200-5C	–	–
3LD2318-1TL13	3LD2318-1TL13	+ 3LD9200-5C	3LD2318-3VK13	3LD2318-3VK13 + 3LD9200-5C
3LD2418-1TL13	3LD2418-1TL13	+ 3LD9200-5C	3LD2418-3VK13	3LD2418-3VK13 + 3LD9200-5C
3LD2044-1TL53	3LD2044-1TL53	+ 3LD9200-5C	–	–
3LD2144-1TL53	3LD2144-1TL53	+ 3LD9200-5C	–	–
3LD2244-1TL53	3LD2244-1TL53	+ 3LD9200-5C	–	–
3LD2545-0TK53 + 3LD9250-0CA	3LD2545-0TK53 + 3LD9250-0CA	+ 3LD9200-5C	–	–
3LD2017-1TL13	3LD2017-1TL13 + 3LD9200-5C		–	–
3LD2217-1TL13	3LD2217-0TK13 + 3LD9200-5C		–	–
3LD2517-1TL13	3LD2517-1TL13 + 3LD9200-5C		–	–

3LD switch disconnectors

Accessories for floor mounting

				3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)	3LD23 (160 A)	3LD24 (250 A)	
Switching contacts for N conductor (4th contact)												
	Contacts		Article No.									
	Leading switch-on, lagging switch-off		3LD9220-0C			■	■					
			3LD9250-0CA					■				
			3LD9280-0C						■	■		
			3LD9240-0C								■	■
N/PE terminals												
	Contacts		Article No.									
	Through-type		3LD9200-2C		■							
			3LD9220-2C			■	■					
			3LD9250-2CA					■				
			3LD9280-2C						■	■		
		3LD9240-2C								■	■	
Auxiliary switches (standard version)												
	<ul style="list-style-type: none">For mounting on the left and/or rightLagging switch-on, leading switch-off											
	Contacts		Contact surface	Article No.								
	1 NO + 1 NC	Standard	3LD9200-5C		■	■	■	■	■	■	■	■
		Gold-plated	3LD9200-5CF		■	■	■	■	■	■	■	■
	Auxiliary switch for mounting on the front											
	<ul style="list-style-type: none">Mounted on the switch shaftFor long leading times (20 ... 150 ms)											
	Contacts		Contact surface	Article No.								
	1 NO + 1 NC	Standard	3LD9280-5D new		■	■	■	■	■	■		
			3LD9240-5D new								■	■
		Gold-plated	3LD9280-5DF new		■	■	■	■	■	■		
3LD9240-5DF new											■	■
Rotary operating mechanisms												
 	<ul style="list-style-type: none">Lockable in 0 position with up to 3 padlocks											
	Version		Mounting	Article No.								
	For main control switches	Center-hole mounting	3LD9224-1D		■	■	■					
			3LD9284-1D					■				
		Four-hole mounting	3LD9224-1B		■	■	■					
			3LD9284-1B					■	■	■		
	For EMERGENCY-STOP switches	Center-hole mounting	3LD9224-3D		■	■	■					
			3LD9284-3D					■				
		Four-hole mounting	3LD9224-3B		■	■	■					
			3LD9284-3B						■	■	■	
Knob-operated mechanisms												
	<ul style="list-style-type: none">Lockable in 0 position with up to 3 padlocks											
	Version		Mounting	Article No.								
	For main control switches	Four-hole mounting	3LD9243-1B								■	■
	For EMERGENCY-STOP switches	Four-hole mounting	3LD9243-3B								■	■
	8UC7.. door-coupling rotary operating mechanisms											
	<ul style="list-style-type: none">To achieve defeatability from 3LD27 (100 A) to 3LD24 (250 A)											
	Type		Version	Article No.								
	8UC71	Standard	8UC7110-1BB						■	■		
		EMERGENCY-STOP	8UC7120-3BB						■	■		
	8UC72	Standard	8UC7210-1BB									■
EMERGENCY-STOP		8UC7220-3BB									■	■

				3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)	3LD23 (160 A)	3LD24 (250 A)	
Coupling drivers												
	Version		Article No.									
	For 8UC71 door-coupling rotary operating mechanisms		8UC6011						■	■		
	For 8UC72 door-coupling rotary operating mechanisms		8UC6012								■	■
Switching shafts												
	Cross-section	Length	Article No.									
	6 × 6 mm	300 mm	3LD9205-0C		■	■	■	■	■	■		
		600 mm	3LD9205-2C		■	■	■	■	■	■		
	8 × 8 mm	300 mm	3LD9245-0C								■	■
		600 mm	3LD9245-2C								■	■
Coupling pieces												
	• Without ON-lock											
			Article No.									
			3LD9242-4F								■	■
Terminal covers												
	• Pack of 4 units											
	Number of poles		Article No.									
	1-pole	3LD9201-2A		■								
		3LD9221-2A			■	■						
		3LD9251-2A					■					
		3LD9281-2A						■	■			
		3LD9241-2A									■	■
	3-pole	3LD9221-0A			■	■						
		3LD9251-0A					■					
	4-pole	3LD9201-1A		■								
Inscription labels												
	• Pack of 10 units											
	Inscription		Article No.									
	German / English (Hauptschalter / Main Switch)		3LD9286-1A		■	■	■	■	■	■		
	Without inscription		3LD9286-4A		■	■	■	■	■	■		
Assembly tools												
	• For center-hole mounting with nut											
	• Pack of 5 units											
	Version		Article No.									
		For main control switches and EMERGENCY-STOP switches		3LD9256-0A		■	■	■	■			

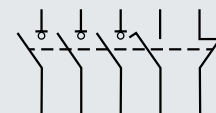
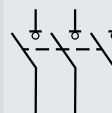
3LD switch disconnectors

3LD2 main control switches, installation in distribution boards, 25 ... 50 kA_{eff}



Operating mechanisms, black

Number of poles 3P



Uninterrupted current I _N At AC-21A, 380 ... 440 V	Operational power P At AC-23A, 380 ... 440 V	Operational power P At AC-3A, 380 ... 440 V	Without auxiliary switch	1 NO + 1 NC (standard version)
Knob-operated mechanisms with masking plate				
16 A	7.5 kW	5.5 kW	3LD2030-OTK11	3LD2030-OTK11 + 3LD9200-5C
25 A	9.5 kW	7.5 kW	3LD2130-OTK11	3LD2130-OTK11 + 3LD9200-5C
32 A	11.5 kW	9.5 kW	3LD2230-OTK11	3LD2230-OTK11 + 3LD9200-5C
63 A	22 kW	18.5 kW	3LD2530-OTK11	3LD2530-OTK11 + 3LD9200-5C
100 A	37 kW	30 kW	3LD2730-OTK11	3LD2730-OTK11 + 3LD9200-5C
125 A	45 kW	37 kW	3LD2830-OTK11	3LD2830-OTK11 + 3LD9200-5C
160 A	75 kW	50 kW	3LD2330-OTK11	3LD2330-OTK11 + 3LD9200-5C
250 A	132 kW	110 kW	3LD2430-OTK11	3LD2430-OTK11 + 3LD9200-5C

Scope of supply:

- 3LD23/3LD24 including terminal covers for the infeed side

Mounting:

- Up to 125 A using screws or snap-on mounting on 35 mm mounting rails
- Up to 125 A cap and mounting dimensions acc. to DIN 43880

Accessories

3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)	3LD23 (160 A)	3LD24 (250 A)
-----------------	-----------------	-----------------	-----------------	------------------	------------------	------------------	------------------

Switching contacts for N conductor (4th contact)



Contacts	Article No.	3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)	3LD23 (160 A)	3LD24 (250 A)
Leading switch-on, lagging switch-off	3LD9220-0C		■	■					
	3LD9250-0CA				■				
	3LD9280-0C					■	■		
	3LD9240-0C							■	■

N/PE terminals



Contacts	Article No.	3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)	3LD23 (160 A)	3LD24 (250 A)
Through-type	3LD9200-2C	■							
	3LD9220-2C		■	■					
	3LD9250-2CA				■				
	3LD9280-2C					■	■		
	3LD9240-2C							■	■

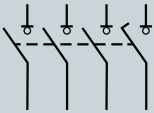
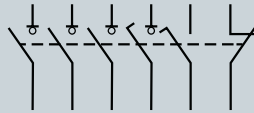
Auxiliary switches (standard version)



<ul style="list-style-type: none">• For mounting on the left and/or right• Lagging switch-on, leading switch-off										
Contacts	Contact surface	Article No.								
1 NO + 1 NC	Standard	3LD9200-5C	■	■	■	■	■	■	■	■
	Gold-plated	3LD9200-5CF	■	■	■	■	■	■	■	■
2 NO	Standard	3LD9200-6C	■	■	■	■	■	■	■	■



3P+N

Without
auxiliary switch1 NO + 1 NC
(standard version)

3LD2030-1TL11	3LD2030-1TL11	+ 3LD9200-5C
3LD2130-OTK11 + 3LD9220-0C	3LD2130-OTK11 + 3LD9220-0C	+ 3LD9200-5C
3LD2230-OTK11 + 3LD9220-0C	3LD2230-OTK11 + 3LD9220-0C	+ 3LD9200-5C
3LD2530-OTK11 + 3LD9250-OCA	3LD2530-OTK11 + 3LD9250-OCA	+ 3LD9200-5C
3LD2730-OTK11 + 3LD9280-0C	3LD2730-OTK11 + 3LD9280-0C	+ 3LD9200-5C
3LD2830-OTK11 + 3LD9280-0C	3LD2830-OTK11 + 3LD9280-0C	+ 3LD9200-5C
3LD2330-OTK11 + 3LD9240-0C	3LD2330-OTK11 + 3LD9240-0C	+ 3LD9200-5C
3LD2430-OTK11 + 3LD9240-0C	3LD2430-OTK11 + 3LD9240-0C	+ 3LD9200-5C

8

Terminal covers

- Pack of 4 units

Number of poles

1-pole



Article No.

3LD9201-2A

3LD9221-2A

3LD9251-2A

3LD9281-2A

3LD9241-2A

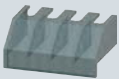
3-pole



3LD9221-0A

3LD9251-0A

4-pole



3LD9201-1A

3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)	3LD23 (160 A)	3LD24 (250 A)
-----------------	-----------------	-----------------	-----------------	------------------	------------------	------------------	------------------

■

■

■

■

■

■

■

■

■

■

■

■

■

■

■

■

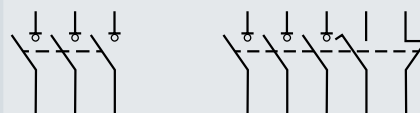
3LD switch disconnectors

3LD2 EMERGENCY-STOP switches, installation in distribution boards, 25 ... 50 kA_{eff}



Operating mechanisms, red/yellow

Number of poles 3P



Uninterrupted current I _n At AC-21A, 380 ... 440 V	Operational power P At AC-23A, 380 ... 440 V	Operational power P At AC-3A, 380 ... 440 V	Without auxiliary switch	1 NO + 1 NC (standard version)
Knob-operated mechanisms with masking plate				
16 A	7.5 kW	5.5 kW	3LD2030-OTK13	3LD2030-OTK13 + 3LD9200-5C
25 A	9.5 kW	7.5 kW	3LD2130-OTK13	3LD2130-OTK13 + 3LD9200-5C
32 A	11.5 kW	9.5 kW	3LD2230-OTK13	3LD2230-OTK13 + 3LD9200-5C
63 A	22 kW	18.5 kW	3LD2530-OTK13	3LD2530-OTK13 + 3LD9200-5C
100 A	37 kW	30 kW	3LD2730-OTK13	3LD2730-OTK13 + 3LD9200-5C
125 A	45 kW	37 kW	3LD2830-OTK13	3LD2830-OTK13 + 3LD9200-5C
160 A	75 kW	50 kW	3LD2330-OTK13	3LD2330-OTK13 + 3LD9200-5C
250 A	132 kW	110 kW	3LD2430-OTK13	3LD2430-OTK13 + 3LD9200-5C

Scope of supply:

- 3LD23/3LD24 including terminal covers for the infeed side

Mounting:

- Up to 125 A using screws or snap-on mounting on 35 mm mounting rails
- Up to 125 A cap and mounting dimensions acc. to DIN 43880

Accessories

3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)	3LD23 (160 A)	3LD24 (250 A)
-----------------	-----------------	-----------------	-----------------	------------------	------------------	------------------	------------------

Switching contacts for N conductor (4th contact)



Contacts	Article No.	3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)	3LD23 (160 A)	3LD24 (250 A)
Leading switch-on, lagging switch-off	3LD9220-0C		■	■					
	3LD9250-0CA				■				
	3LD9280-0C					■	■		
	3LD9240-0C							■	■

N/PE terminals



Contacts	Article No.	3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)	3LD23 (160 A)	3LD24 (250 A)
Through-type	3LD9200-2C	■							
	3LD9220-2C		■	■					
	3LD9250-2CA				■				
	3LD9280-2C					■	■		
	3LD9240-2C							■	■

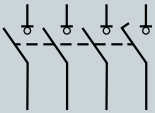
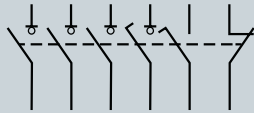
Auxiliary switches (standard version)



<ul style="list-style-type: none">• For mounting on the left and/or right• Lagging switch-on, leading switch-off										
Contacts	Contact surface	Article No.								
1 NO + 1 NC	Standard	3LD9200-5C	■	■	■	■	■	■	■	■
	Gold-plated	3LD9200-5CF	■	■	■	■	■	■	■	■
2 NO	Standard	3LD9200-6C	■	■	■	■	■	■	■	■



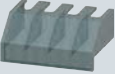


3+N

Without
auxiliary switch1 NO + 1 NC
(standard version)

3LD2030-1TL13	3LD2030-1TL13	+ 3LD9200-5C
3LD2130-OTK13 + 3LD9220-0C	3LD2130-OTK13 + 3LD9220-0C	+ 3LD9200-5C
3LD2230-OTK13 + 3LD9220-0C	3LD2230-OTK13 + 3LD9220-0C	+ 3LD9200-5C
3LD2530-OTK13 + 3LD9250-OCA	3LD2530-OTK13 + 3LD9250-OCA	+ 3LD9200-5C
3LD2730-OTK13 + 3LD9280-0C	3LD2730-OTK13 + 3LD9280-0C	+ 3LD9200-5C
3LD2830-OTK13 + 3LD9280-0C	3LD2830-OTK13 + 3LD9280-0C	+ 3LD9200-5C
3LD2330-OTK13 + 3LD9240-0C	3LD2330-OTK13 + 3LD9240-0C	+ 3LD9200-5C
3LD2430-OTK13 + 3LD9240-0C	3LD2430-OTK13 + 3LD9240-0C	+ 3LD9200-5C

8

		3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)	3LD23 (160 A)	3LD24 (250 A)
Terminal covers									
• Pack of 4 units									
Number of poles		Article No.							
	1-pole	3LD9201-2A	■						
		3LD9221-2A		■					
		3LD9251-2A			■				
		3LD9281-2A				■	■		
		3LD9241-2A						■	■
	3-pole	3LD9221-0A		■					
		3LD9251-0A			■				
	4-pole	3LD9201-1A	■						

3LD switch disconnectors

DC isolators, 50 kA_{rms}



Number of poles

Operating mechanisms, black
8P

Mains voltage	Rated current I _e At DC-21A, 800 V DC	Rated current I _e At DC-22A, 800 V DC	Without auxiliary switch
Knob-operated mechanisms			
800 V DC	32 A	16 A	3LD2230-8VQ11-0AF6



3LD switch disconnectors

Accessories for 3LD2 main control and EMERGENCY-STOP switches

Additional poles

	3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)	3LD23 (160 A)	3LD24 (250 A)
--	-----------------	-----------------	-----------------	-----------------	------------------	------------------	------------------	------------------



Switching contacts for N conductor (4th contact)

Version	Contacts	Article No.							
	For front mounting	Leading switch-on, lagging switch-off	3LD9220-0B		■	■			
			3LD9250-0BA			■			
			3LD9280-0B			■	■		
			3LD9240-0B				■	■	
	For floor mounting, installation in distribution boards	Leading switch-on, lagging switch-off	3LD9220-0C		■	■			
			3LD9250-0CA			■			
			3LD9280-0C			■	■		
			3LD9240-0C				■	■	


N/PE terminals

Version	Contacts	Article No.							
	For front mounting	Through-type	3LD9200-2B	■					
			3LD9220-2B		■	■			
			3LD9250-2BA			■			
			3LD9280-2B			■	■		
			3LD9240-2B				■	■	
	For floor mounting, installation in distribution boards	Through-type	3LD9200-2C	■					
			3LD9220-2C		■	■			
			3LD9250-2CA			■			
			3LD9280-2C			■	■		
			3LD9240-2C				■	■	

Auxiliary switches (standard version)

 	<ul style="list-style-type: none"> For mounting on the left and/or right Lagging switch-on, leading switch-off 									
	Version	Contacts	Article No.							
	For front mounting	1 NO + 1 NC, standard	3LD9200-5B	■	■	■	■	■	■	■
		1 NO + 1 NC, gold-plated	3LD9200-5BF	■	■	■	■	■	■	■
	For floor mounting, installation in distribution boards	1 NO + 1 NC, standard	3LD9200-5C	■	■	■	■	■	■	■
		1 NO + 1 NC, gold-plated	3LD9200-5CF	■	■	■	■	■	■	■
		2 NO, standard	3LD9200-6C	■	■	■	■	■	■	■

Auxiliary switch for mounting on the front

	<ul style="list-style-type: none"> Mounted on the front of the switch shaft For four-hole front mounting and floor mounting only Not suitable for front-mounted 3LD23 (160 A) ... 3LD24 (250 A) For long leading times (20 ... 150 ms) 									
	Contacts	Contact surface	Article No.							
	1 NO + 1 NC	Standard	3LD9280-5D new	■	■	■	■	■	■	■
			3LD9240-5D new						■	■
		Gold-plated	3LD9280-5DF new	■	■	■	■	■		
			3LD9240-5DF new						■	■

Operating mechanisms

Rotary operating mechanisms												
	<ul style="list-style-type: none">Lockable in 0 position with up to 3 padlocksCenter-hole mounting, including seal and nutFour-hole mounting, including seal											
	Switch	Mounting	Article No.									
	For main control switches	Center-hole mounting	3LD9224-1D	■	■	■						
				3LD9284-1D				■	■	■		
		Four-hole mounting	3LD9224-1B	■	■	■						
			3LD9284-1B				■	■	■			
	For EMERGENCY-STOP switches	Center-hole mounting	3LD9224-3D	■	■	■						
				3LD9284-3D				■	■	■		
Four-hole mounting		3LD9224-3B	■	■	■							
		3LD9284-3B				■	■	■				
Knob-operated mechanisms												
	<ul style="list-style-type: none">Lockable in 0 position with up to 3 padlocksIncluding seal											
	Switch	Mounting	Article No.									
	For main control switches	Four-hole mounting	3LD9243-1B							■	■	
	For EMERGENCY-STOP switches	Four-hole mounting	3LD9243-3B							■	■	
Switching shafts												
	Version	Cross-section	Length	Article No.								
	For floor mounting	6 × 6 mm	300 mm	3LD9205-0C	■	■	■	■	■	■		
			600 mm	3LD9205-2C	■	■	■	■	■	■		
	8 × 8 mm	300 mm	3LD9245-0C							■	■	
		600 mm	3LD9245-2C							■	■	
Coupling pieces												
	<ul style="list-style-type: none">Without ON-lock											
	Version			Article No.								
	For floor mounting			3LD9242-4F							■	■
					3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)	3LD23 (160 A)	3LD24 (250 A)
Other accessories												
Terminal covers												
	<ul style="list-style-type: none">Pack of 4 units											
	Number of poles			Article No.								
	1-pole			3LD9201-2A	■							
				3LD9221-2A		■	■					
				3LD9251-2A				■				
				3LD9281-2A					■	■		
				3LD9241-2A							■	■
	3-pole			3LD9221-0A		■	■					
				3LD9251-0A				■				
	4-pole			3LD9201-1A	■							
Inscription labels												
	<ul style="list-style-type: none">Pack of 10 units											
	Inscription			Article No.								
	German / English (Hauptschalter / Main Switch)			3LD9286-1A	■	■	■	■	■	■		
	Without inscription			3LD9286-4A	■	■	■	■	■	■		
Montagewerkzeug												
	<ul style="list-style-type: none">For center-hole mounting with nutPack of 5 units											
	Switch			Article No.								
	For main control switches and EMERGENCY-STOP switches			3LD9256-0A	■	■	■	■				

3LD switch disconnectors

System overview of 3LD2 switch disconnectors in enclosure

3LD2 main control and EMERGENCY-STOP switches in enclosure



3P / 3P+N
molded-plastic enclosures



3P / 6P
molded-plastic enclosures



3P / 3p+N / 6P
molded-plastic enclosures

3LD2 maintenance and repair switches with EMC shield plate



3P
molded-plastic enclosures **new**



3P / 6P
molded-plastic enclosures **new**



3P / 6P
molded-plastic enclosures **new**

8

DC isolators in enclosure



8P DC isolators in a
molded-plastic enclosure



8P DC isolators in a
molded-plastic enclosure

Additional poles and auxiliary switch modules



N switching
contact



N/PE terminals
(through-type)



Auxiliary switches
(standard version)



Auxiliary switch for mounting on
the front **new**

Operating mechanisms

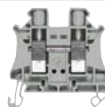


Rotary operators for center-hole mounting

Further accessories



Shield terminal **new**

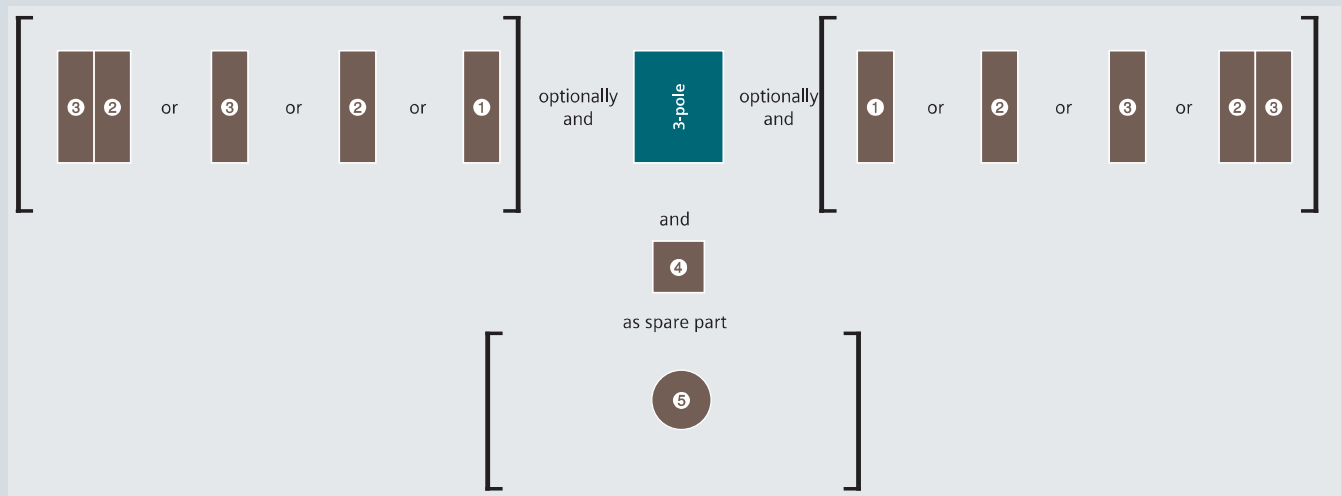


Through-type terminal

Note:

You will find a detailed range of accessories with the basic units.

Mounting concept and accessories



Legend

- ① Auxiliary switch
- ② N switching contact ¹⁾
- ③ N/PE terminal
- ④ Auxiliary switch for mounting on the front
- ⑤ Rotary operating mechanism, center-hole mounting

¹⁾ The N switching contact ② first has to be mounted on the basic unit
 Note: Depending on the enclosure size, not all accessories can be used in combination



Mounting types

3LD2 main control and EMERGENCY-STOP switches in enclosure



For surface mounting of individual main control and EMERGENCY-STOP switches, molded plastic-enclosed switches with degree of protection IP65 are used. The molded-plastic enclosures each contain an N and/or a PE terminal. As the switches can be locked in the 0 position, they can also be used as maintenance and repair switches.

DC isolators in enclosure



As the switches can be locked in the 0 position, they can also be used as maintenance and repair switches. The DC isolators in the enclosure are suitable for disconnecting loads of up to 800 V DC due to their 8-pole design.

3LD2 maintenance and repair switches with EMC shield plate



The 3LD2 maintenance and repair switch with EMC shield plate is ideal for use between converter and motor. A long leading (20-150ms) NO contact switches the converter group off before the main contacts of the switch open. This produces an AC20 state and it is then possible to switch safely at the converter output. The cable shield can be contacted over a large area inside the enclosure using the shield clamps or hose clips included in the scope of delivery. The switch series provides the greatest possible safety for the user and can be locked in the 0 or I position. Tests have been performed in connection with Sinamics converters and ratings are available for use at frequencies between 0 and 550 Hz.

3LD switch disconnectors

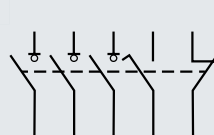
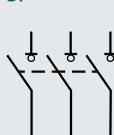
3LD2 main control switches in enclosure, 25 ... 50 kA_{eff}



Operating mechanisms, black

Number of poles

3P



3P+N



Uninterrupted current I _u At AC-21A, 380 ... 440 V	Operational power P At AC-23A, 380 ... 440 V	Operational power P At AC-3A, 380 ... 440 V	Without auxiliary switch	1 NO + 1 NC (standard version)	Without auxiliary switch
Rotary operating mechanisms with masking plate			Base terminal	Base terminal	Base terminal
16 A	7.5 kW	5.5 kW	PE+N 3LD2064-OTB51	N 3LD2064-1GP51	PE 3LD2064-1TC51
25 A	9.5 kW	7.5 kW	PE+N 3LD2164-OTB51	N 3LD2164-1GP51	PE 3LD2164-1TC51
32 A	11.5 kW	9.5 kW	PE+N 3LD2264-OTB51	N 3LD2264-1GP51	PE 3LD2264-1TC51
63 A	22 kW	18.5 kW	PE+N 3LD2565-OTB51	N 3LD2565-1GP51	PE 3LD2565-1TC51
100 A	37 kW	30 kW	PE+N 3LD2766-OTB51	N 3LD2766-1GP51	PE+N 3LD2766-OTB51 + 3LD9280-OC
125 A	45 kW	37 kW	PE+N 3LD2866-OTB51	N 3LD2866-1GP51	PE+N 3LD2866-OTB51 + 3LD9280-OC

Accessories

3LD20 (16 A) 3LD21 (25 A) 3LD22 (32 A) 3LD25 (63 A) 3LD27 (100 A) 3LD28 (125 A)

Switching contacts for N conductor (4th contact)



Contacts

Leading switch-on,
lagging switch-off

Article No.

3LD9220-OC
3LD9250-0CA
3LD9280-OC

N/PE terminals



Contacts

Through-type

Article No.

3LD9200-2C
3LD9220-2C
3LD9250-2CA
3LD9280-2C

Auxiliary switches (standard version)



- For mounting on the left and/or right
- Lagging switch-on, leading switch-off

Contacts

1 NO + 1 NC

Contact surface

Standard

Article No.

3LD9200-5C

Gold-plated

3LD9200-5CF

2 NO + 1 NC

Standard

3LD9200-6C

Auxiliary switch for mounting on the front



- Mounted on the front of the switch shaft
- For long leading times (20 ... 150 ms)

Contacts

1 NO + 1 NC

Contact surface

Standard

Article No.

3LD9280-5D **new**

Gold-plated

3LD9280-5DF **new**

Rotary operating mechanisms



- Lockable in 0 position with up to 3 padlocks

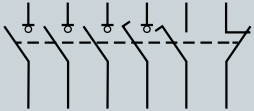
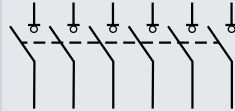
Article No.

3LD9224-1G

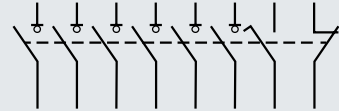
3LD9284-1G



6P

1 NO + 1 NC
(standard version)

Without auxiliary switch

1 NO + 1 NC
(standard version)

Base terminal			Base terminal			Base terminal		
PE	3LD2064-1TC51	+ 3LD9200-5C	—	—	—	—	—	—
PE	3LD2164-1TC51	+ 3LD9200-5C	PE+N	3LD2165-3VB51	N	3LD2165-4VD51		
PE	3LD2264-1TC51	+ 3LD9200-5C	PE+N	3LD2265-3VB51	N	3LD2265-4VD51		
PE	3LD2565-1TC51	+ 3LD9200-5C	PE+N	3LD2566-3VB51	PE+N	3LD2566-4VD51		
N	3LD2766-1GP51 + 3LD9280-0C		—	—	—	—		
N	3LD2866-1GP51 + 3LD9280-0C		—	—	—	—		

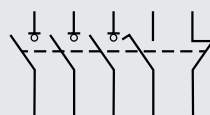
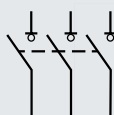
3LD switch disconnectors

3LD2 EMERGENCY-STOP switches in enclosure, 25 ... 50 kA_{eff}

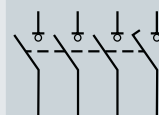


Operating mechanisms, red/yellow

Number of poles 3P



3P+N



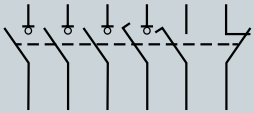
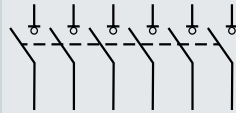
Uninterrupted current I _u At AC-21A, 380 ... 440 V	Operational power P At AC-23A, 380 ... 440 V	Operational power P At AC-3A, 380 ... 440 V	Without auxiliary switch	1 NO + 1 NC (standard version)	Without auxiliary switch
Rotary operating mechanisms with masking plate			Base terminal	Base terminal	Base terminal
16 A	7.5 kW	5.5 kW	PE+N 3LD2064-0TB53	N 3LD2064-1GP53	PE 3LD2064-1TC53
25 A	9.5 kW	7.5 kW	PE+N 3LD2164-0TB53	N 3LD2164-1GP53	PE 3LD2164-1TC53
32 A	11.5 kW	9.5 kW	PE+N 3LD2264-0TB53	N 3LD2264-1GP53	PE 3LD2264-1TC53
63 A	22 kW	18.5 kW	PE+N 3LD2565-0TB53	N 3LD2565-1GP53	PE 3LD2565-1TC53
100 A	37 kW	30 kW	PE+N 3LD2766-0TB53	N 3LD2766-1GP53	PE+N 3LD2766-0TB53 + 3LD9280-0C
125 A	45 kW	37 kW	PE+N 3LD2866-0TB53	N 3LD2866-1GP53	PE+N 3LD2866-0TB53 + 3LD9280-0C

Accessories

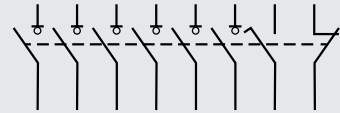
			3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)
Switching contacts for N conductor (4th contact)								
	Contacts	Article No.						
	Leading switch-on, lagging switch-off	3LD9220-0C		■	■			
		3LD9250-0CA				■		
		3LD9280-0C					■	■
N/PE terminals								
	Contacts	Article No.						
	Through-type	3LD9200-2C	■					
		3LD9220-2C		■	■			
		3LD9250-2CA				■		
		3LD9280-2C					■	■
Auxiliary switches (standard version)								
	<ul style="list-style-type: none"> For mounting on the left and/or right Lagging switch-on, leading switch-off 							
	Contacts	Article No.						
	1 NO + 1 NC	Standard	3LD9200-5C	■	■	■	■	■
		Gold-plated	3LD9200-5CF	■	■	■	■	■
	2 NO + 1 NC	Standard	3LD9200-6C	■	■	■	■	■
Auxiliary switch for mounting on the front								
	<ul style="list-style-type: none"> Mounted on the front of the switch shaft For long leading times (20 ... 150 ms) 							
	Contacts	Article No.						
	1 NO + 1 NC	Standard	3LD9280-5D new	■	■	■	■	■
		Gold-plated	3LD9280-5DF new	■	■	■	■	■
Rotary operating mechanisms								
	<ul style="list-style-type: none"> Lockable in 0 position with up to 3 padlocks 							
		Article No.						
		3LD9224-3G	■	■	■			
		3LD9284-3G				■	■	■



6P

1 NO + 1 NC
(standard version)

Without auxiliary switch

1 NO + 1 NC
(standard version)

Base terminal			Base terminal			Base terminal		
PE	3LD2064-1TC53	+ 3LD9200-5C	—	—	—	—	—	—
PE	3LD2164-1TC53	+ 3LD9200-5C	PE+N	3LD2165-3VB53	N	3LD2165-4VD53		
PE	3LD2264-1TC53	+ 3LD9200-5C	PE+N	3LD2265-3VB53	N	3LD2265-4VD53		
PE	3LD2565-1TC53	+ 3LD9200-5C	PE+N	3LD2566-3VB53	PE+N	3LD2566-4VD53		
N	3LD2766-1GP53 + 3LD9280-0C		—	—	—	—		
N	3LD2866-1GP53 + 3LD9280-0C		—	—	—	—		

3LD switch disconnectors

3LD2 DC isolators in a molded-plastic enclosure

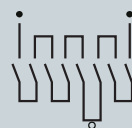
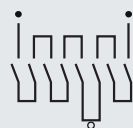


Number of poles

Operating mechanisms,
blackOperating mechanisms,
red/yellow

8P

8P



Mains voltage	Rated current I_e At DC-21A, 800 V DC	Rated current I_e At DC-22A, 800 V DC	Without auxiliary switch
Rotary operating mechanisms			
800 V DC	32 A	16 A	3LD2265-8VQ51-0AF6 3LD2265-8VQ53-0AF6

8

3LD2 maintenance and repair switches with EMC shield plate, 25 ... 50 kA_{eff} **new**

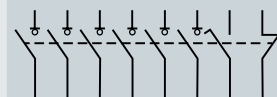


Number of poles

Operating mechanisms, black

3P

6P











Uninterrupted current I_u At AC-20, 0 ... 550 Hz, 380 ... 440 V	Operational power P At AC-20, 0 ... 550 Hz, 380 ... 440 V	Uninterrupted current I_n At AC-21, 50/60 Hz, 380 ... 440 V	Operational power AC-23 A, 50/60 Hz, 380 ... 440 V	1 NO + 1 NC (Auxiliary switch for mounting on the front) new	1 NO + 1 NC (Auxiliary switch for mounting on the front) new
Knob-operated mechanisms with masking plate				Base terminal	Base terminal
10.2 A	4 kW	16 A	7.5 kW	PE 3LD2084-2GP21	2× PE –
13.2 A	5.5 kW	25 A	9 kW	PE 3LD2184-2GP21	2× PE 3LD2185-5VD21
18 A	7.5 kW	32 A	11.5 kW	PE 3LD2284-2GP21	2× PE 3LD2285-5VD21
38 A	18.5 kW	63 A	22 kW	PE 3LD2585-2GP21	2× PE 3LD2586-5VD21
75 A	37 kW	100 A	37 kW	PE 3LD2786-2GP21	2× PE –
90 A	45 kW	125 A	45 kW	PE 3LD2886-2GP21	2× PE –

Scope of supply:

- Incl. shield clamps or hose clips for contacting the cable shield
- The PE terminal as a through-type terminal is insulated from the cable shield

3LD2 maintenance and repair switches with EMC shield plate, 25 ... 50 kA_{eff}

Accessories

			3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)
Switching contacts for N conductor (4th contact)								
	Contacts	Article No.						
	Leading switch-on, lagging switch-off	3LD9220-0C		■	■			
		3LD9250-0CA				■		
		3LD9280-0C					■	■
N/PE terminals								
	Contacts	Article No.						
	Through-type	3LD9200-2C	■					
		3LD9220-2C		■	■			
		3LD9250-2CA				■		
		3LD9280-2C					■	■
Auxiliary switches (standard version)								
	<ul style="list-style-type: none"> For mounting on the left and/or right Lagging switch-on, leading switch-off 							
	Contacts	Contact surface	Article No.					
	1 NO + 1 NC	Standard	3LD9200-5C	■	■	■	■	■
		Gold-plated	3LD9200-5CF	■	■	■	■	■
	2 NO	Standard	3LD9200-6C	■	■	■	■	■
Auxiliary switch for mounting on the front								
	<ul style="list-style-type: none"> Mounted on the front of the switch shaft For long leading times (20 ... 150 ms) 							
	Contacts	Contact surface	Article No.					
	1 NO + 1 NC	Standard	3LD9280-5D new	■	■	■	■	■
		Gold-plated	3LD9280-5DF new	■	■	■	■	■
Rotary operating mechanisms								
	<ul style="list-style-type: none"> Lockable in 0 position with up to 3 padlocks 							
	Version	Article No.						
	Main control switches	3LD9224-1G	■	■	■			
		3LD9284-1G				■	■	■
	EMERGENCY-STOP switches		3LD9224-3G	■	■	■		
			3LD9284-3G				■	■
Terminal blocks								
	Version	Article No.						
	Through-type terminal with screw connection	8WH1000-0AF00	■	■	■	■	■	■
Shield terminal								
	Terminal area	Article No.						
	3...12 mm	3LD9228-1G	■	■	■	■	■	■

3LD switch disconnectors

Accessories for 3LD2 switch disconnectors in enclosure

Additional poles

	3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)
--	-----------------	-----------------	-----------------	-----------------	------------------	------------------

Switching contacts for N conductor (4th contact)



Contacts

Leading switch-on,
lagging switch-off

Article No.

3LD9220-0C
3LD9250-OCA
3LD9280-0C

N/PE terminals



Contacts

Through-type

Article No.

3LD9200-2C
3LD9220-2C
3LD9250-2CA
3LD9280-2C

Auxiliary switches (standard version)



- For mounting on the left and/or right
- Lagging switch-on, leading switch-off

Contacts

1 NO + 1 NC

Contact surface

Standard
Gold-plated

Article No.

3LD9200-5C
3LD9200-5CF
3LD9200-6C

2 NO + 1 NC

Standard

3LD9200-6C

Auxiliary switch for mounting on the front



- Mounted on the front of the switch shaft
- For long leading times (20 ... 150 ms)

Contacts

1 NO + 1 NC

Contact surface

Standard
Gold-plated

Article No.

3LD9280-5D **new**
3LD9280-5DF **new**

Operating mechanisms

	3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)
--	-----------------	-----------------	-----------------	-----------------	------------------	------------------

Rotary operating mechanisms



- Lockable in 0 position with up to 3 padlocks

Version

Main control switches

Article No.

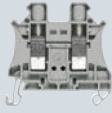

3LD9224-1G
3LD9284-1G

EMERGENCY-STOP switches

3LD9224-3G
3LD9284-3G



Connection parts

		3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)
Reihenklemme							
	Version						
	Through-type terminal with screw connection	Article No.	8WH1000-0AF00	■	■	■	■
Shield terminal							
	Terminal area						
	3...12 mm	Article No.	3LD9228-1G	■	■	■	■

3LD switch disconnectors

System overview of 3LD5 UL main control and EMERGENCY-STOP switches **new**

Basic units for front mounting



3LD5020 (3-pole)



3LD5020 (4-pole)



3LD5420 (3-pole)



3LD5420 (4-pole)

Basic units, floor mounting with direct operating mechanism



3LD5000 (3-pole)



3LD5000 (4-pole)



3LD5400 (3-pole)



3LD5400 (4-pole)

Basic units, floor mounting with door-coupling rotary operating mechanism



3LD5010 (3-pole)



3LD5010 (4-pole)



3LD5410 (3-pole)



3LD5410 (4-pole)

Additional poles and auxiliary switches



N switching contact



N/PE terminals (through-type)



Auxiliary switches (standard version)



Auxiliary switch for mounting on the front

Operating mechanisms



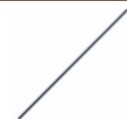
Rotary operators for four-hole mounting



Coupling heads with and without tolerance compensation



Supplementary handles for UL508A/NFPA79



Other accessories



Terminal covers, 1-pole



Terminal covers, 3 and 4-pole

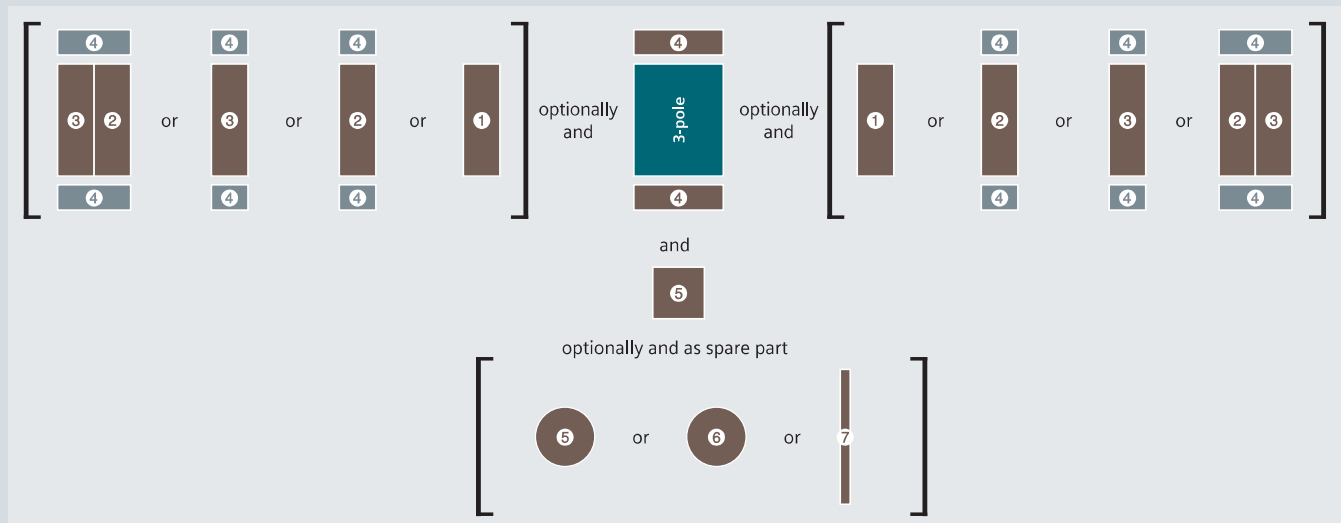


Inscription labels (with and without inscription)

Note:

You will find a detailed range of accessories with the basic units.

Mounting concept and accessories



Legend

- ① Auxiliary switch
- ② N switching contact ¹⁾
- ③ N/PE terminal
- ④ Terminal cover
- ⑤ Rotary operating mechanism, four-hole mounting
- ⑥ Knob-operated mechanism, four-hole mounting
- ⑦ Switching shaft (300 oder 600 mm)

¹⁾ The N switching contact ② first has to be mounted on the basic unit



Main control switches acc. to UL

The certification according to UL489 makes the 3LD5 UL ideal for use as a main control switch for machinery and plants for export to the NAFTA states. The variety of accessories makes it especially suitable as a main disconnect switch for industrial machinery. The switch is also certified according to UL508 and can also be used as a manual motor controller.

Mounting types

Front mounting of basic units



The switches for front mounting are mounted on the inside of the panel door via the operating mechanism. Installation is achieved by 4-hole mounting of the handle. This switch is especially suitable when door interlocking is not required or is implemented in a different way.

Floor mounting with direct operating mechanism



The switches for floor mounting with direct operating mechanism up to 30 A are snapped onto 35 mm standard mounting rails according to EN 60715 or screw-mounted on mounting panels. The switches for 100 to 160 A (3LD54 ... 3LD58) are exclusively screwed onto mounting panels.

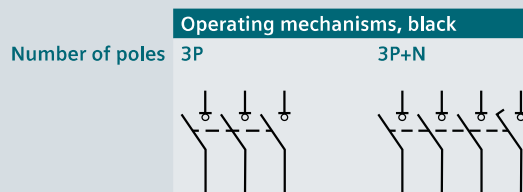
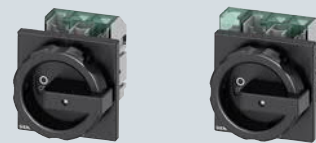
Basic units, floor mounting with door-coupling rotary operating mechanism



The switches for floor mounting up to 30 A (3LD50) are snapped onto 35 mm standard mounting rails according to EN 60715 or screw-mounted on mounting panels. The switches for 100 to 160 A (3LD54 ... 3LD58) are exclusively screwed onto mounting panels. The actuators are connected to the lower section of the switch through a door coupling, which can be released in its zero position, and a 300 mm long switch shaft. The rotary operating mechanisms are also defeatable, i.e. it is possible to open the control cabinet door with a deliberate action while the switch is in the ON position. To meet the requirement acc. to UL508A/NFPA79, a supplementary handle can be mounted on the switch. Combined with the intermediate handle, the shaft can no longer be removed.

3LD switch disconnectors

3LD5 UL main control and EMERGENCY-STOP switches,
front mounting, SCCR 50 - 65 kA



Uninterrupted current I _n At AC-21A, 380 ... 440 V	I _n / General use acc. UL489/508	Operational power P At AC-23A, 380 ... 440 V		
Rotary operating mechanism, four-hole mounting				
32	30	15	3LD5020-OTK11	3LD5020-OTL11
100	100	45	3LD5420-OTK11	3LD5420-OTL11
125	125	55	3LD5620-OTK11	3LD5620-OTL11
160	150	75	3LD5820-OTK11	3LD5820-OTL11

Scope of supply:

- Including terminal covers for the infeed side

Accessories for front mounting

3LD50 3LD54 3LD56 3LD58

Switching contacts for N conductor (4th contact)



Contacts	Article No.	3LD50	3LD54	3LD56	3LD58
Leading switch-on, lagging switch-off	3LD9250-0BA	■			
	3LD9240-0B		■	■	■

N/PE terminals



Contacts	Article No.	3LD50	3LD54	3LD56	3LD58
Through-type	3LD9250-2BA	■			
	3LD9240-2B		■	■	■

Auxiliary switches (standard version)



- For mounting on the left and/or right
- Lagging switch-on, leading switch-off

Contacts	Contact surface	Article No.	3LD50	3LD54	3LD56	3LD58
1 NO + 1 NC	Standard	3LD9200-5B	■	■	■	■
	Gold-plated	3LD9200-5BF	■	■	■	■

Auxiliary switch for mounting on the front



- Mounted on the front of the switch shaft
- For long leading times (20 ... 150ms)

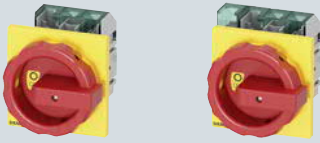
Contacts	Contact surface	Article No.	3LD50	3LD54	3LD56	3LD58
1 NO + 1 NC	Standard	3LD9280-5D new	■			
		3LD9240-5D new		■	■	■
	Gold-plated	3LD9280-5DF new	■			
		3LD9240-5DF new		■	■	■

Rotary operating mechanisms



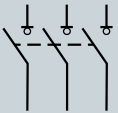
- Auxiliary switch for mounting on the front

Version	Article No.	3LD50	3LD54	3LD56	3LD58
For main control switches	3LD9284-1B	■			
For EMERGENCY-STOP switches	3LD9284-3B	■			

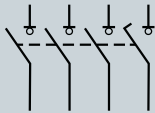


Operating mechanisms, red/yellow

3P



3P+N



3LD5020-OTK13

3LD5020-OTL13

3LD5420-OTK13

3LD5420-OTL13

3LD5620-OTK13

3LD5620-OTL13

3LD5820-OTK13

3LD5820-OTL13

	3LD50	3LD54	3LD56	3LD58
--	-------	-------	-------	-------

Knob-operated mechanisms



- Lockable in 0 position with up to 3 padlocks

Version

For main control switches

For EMERGENCY-STOP switches

Article No.

3LD9243-1B

3LD9284-3B

Terminal covers

- Pack of 4 units



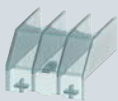
Number of poles

1-pole

Article No.

3LD9251-2A

3LD9241-2A



3-pole

3LD9251-0A

Inscription labels



- Pack of 10 units

Inscription

German / English (Hauptschalter / Main Switch)

Without inscription

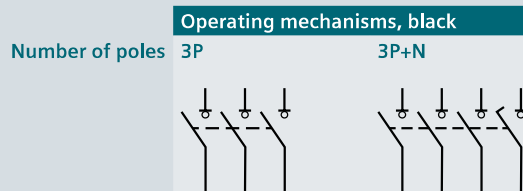
Article No.

3LD9286-1A

3LD9286-4A

3LD switch disconnectors

3LD5 UL main control and EMERGENCY-STOP switches,
floor mounting with direct operating mechanism, SCCR 50 ... 65 kA



Uninterrupted current I _u At AC-21A, 380 ... 440 V	I _n / General use acc. UL489/508	Operational power P At AC-23A, 380 ... 440 V		
Rotary operating mechanism, four-hole mounting				
32	30	15	3LD5000-OTK11	3LD5000-OTL11
100	100	45	3LD5400-OTK11	3LD5400-OTL11
125	125	55	3LD5600-OTK11	3LD5600-OTL11
160	150	75	3LD5800-OTK11	3LD5800-OTL11

Scope of supply:

- Including terminal covers for the infeed side

Accessories for floor mounting with direct operating mechanisms

3LD50 3LD54 3LD56 3LD58

Switching contacts for N conductor (4th contact)



Contacts	Article No.				
Leading switch-on, lagging switch-off	3LD9250-0CA	■			
	3LD9240-0C		■	■	■

N/PE terminals



Contacts	Article No.				
Through-type	3LD9250-2CA	■			
	3LD9240-2C		■	■	■

Auxiliary switches



- For mounting on the left and/or right
- Lagging switch-on, leading switch-off

Contacts	Contact surface	Article No.				
1 NO + 1 NC	Standard	3LD9200-5C	■	■	■	■
	Gold-plated	3LD9200-5CF	■	■	■	■

Terminal covers

- Pack of 4 units



Number of poles	Article No.				
1-pole	3LD9251-2A	■			
	3LD9241-2A		■	■	■



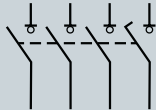
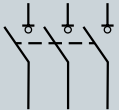
3-pole	3LD9251-0A	■			
--------	------------	---	--	--	--



Operating mechanisms, red/yellow

3P

3P+N



3LD5000-OTK13

3LD5000-OTL13

3LD5400-OTK13

3LD5400-OTL13

3LD5600-OTK13

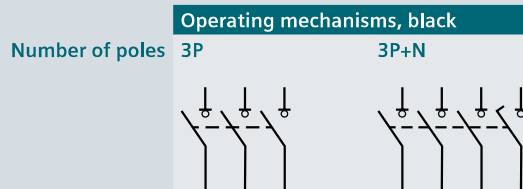
3LD5600-OTL13

3LD5800-OTK13

3LD5800-OTL13

3LD switch disconnectors

3LD5 UL main control and EMERGENCY-STOP switches,
floor mounting with door-coupling rotary operating mechanism, SCCR 50 ... 65 kA



Uninterrupted current I _u At AC-21A, 380 ... 440 V	I _n / General use acc. UL489/508	Operational power P At AC-23A, 380 ... 440 V		
Rotary operating mechanism, four-hole mounting				
32	30	15	3LD5010-OTK11	3LD5010-OTL11
100	100	45	3LD5410-OTK11	3LD5410-OTL11
125	125	55	3LD5610-OTK11	3LD5610-OTL11
160	150	75	3LD5810-OTK11	3LD5810-OTL11

Scope of supply:

- Including terminal covers for the infeed side
- Defeatable door-coupling rotary operating mechanisms
- Without tolerance compensation

Accessories for floor mounting with door mounted rotary operator

3LD50 3LD54 3LD56 3LD58

Switching contacts for N conductor (4th contact)



Contacts	Article No.	3LD50	3LD54	3LD56	3LD58
Leading switch-on, lagging switch-off	3LD9250-OCA	■			
	3LD9240-OC		■	■	■

N/PE terminals



Contacts	Article No.	3LD50	3LD54	3LD56	3LD58
Through-type	3LD9250-2CA	■			
	3LD9240-2C		■	■	■

Auxiliary switches (standard version)



- For mounting on the left and/or right
- Lagging switch-on, leading switch-off

Contacts	Contact surface	Article No.	3LD50	3LD54	3LD56	3LD58
1 NO + 1 NC	Standard	3LD9200-5C	■	■	■	■
	Vergoldet	3LD9200-5CF	■	■	■	■

Auxiliary switch for mounting on the front



- Mounted on the front of the switch shaft
- For long leading times (20 ... 150ms)

Contacts	Contact surface	Article No.	3LD50	3LD54	3LD56	3LD58
1 NO + 1 NC	Standard	3LD9280-5D new	■			
		3LD9240-5D new		■	■	■
	Gold-plated	3LD9280-5DF new	■			
		3LD9240-5DF new		■	■	■

Handles



- Supplied with a masking frame, but without an extension shaft or coupling driver
- Can be locked with up to 3 padlocks

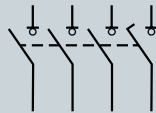
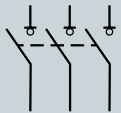
Labeling	Color	Article No.	3LD50	3LD54	3LD56	3LD58
O-I	Gray	8UD1771-2AD01	■			
		8UD1731-2AD01		■	■	■
	Red/yellow	8UD1771-2AD05	■			
		8UD1731-2AD05		■	■	■



Operating mechanisms, red/yellow

3P

3P+N



3LD5010-OTK13	3LD5010-OTL13
3LD5410-OTK13	3LD5410-OTL13
3LD5610-OTK13	3LD5610-OTL13
3LD5810-OTK13	3LD5810-OTL13

	3LD50	3LD54	3LD56	3LD58
--	-------	-------	-------	-------

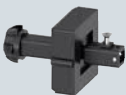
Supplementary handles for door-coupling rotary operating mechanism



- For requirements according to UL508A/NFPA79
- Can be locked with up to 1 padlocks in 0 position
- Can only be switched on by deliberate action

Labeling	Color	Article No.	3LD50	3LD54	3LD56	3LD58
O-I	Gray	3LD9287-1C	■			
		3LD9247-1C		■	■	■
	Red/yellow	3LD9287-3C	■			
		3LD9247-3C		■	■	■

Coupling drivers



Version	Article No.	3LD50	3LD54	3LD56	3LD58
With tolerance compensation	8UD1900-1GA00	■			
	8UD1900-2GA00		■	■	■
Without tolerance compensation	8UD1900-1HA00	■			
	8UD1900-2HA00		■	■	■

Terminal covers

- Pack of 4 units



Number of poles	Article No.	3LD50	3LD54	3LD56	3LD58
1-pole	3LD9251-2A	■			
	3LD9241-2A		■	■	■



3-pole	3LD9251-0A	■			
--------	------------	---	--	--	--

Inscription labels



- Pack of 10 units

Inscription	Article No.	3LD50	3LD54	3LD56	3LD58
German / English (Hauptschalter / Main Switch)	3LD9286-1A	■	■	■	■
Without inscription	3LD9286-4A	■	■	■	■

3LD switch disconnectors

Accessories for 3LD5 UL main control and EMERGENCY-STOP switches

Additional poles

3LD50 3LD54 3LD56 3LD58

Switching contacts for N conductor (4th contact) for front mounting



Contacts

Leading switch-on, lagging switch-off

Article No.

3LD9250-0BA

3LD9240-0B

Switching contacts for N conductor (4th contact) for floor mounting



Contacts

Leading switch-on, lagging switch-off

Article No.

3LD9250-0CA

3LD9240-0C

N/PE terminals for front mounting



Contacts

Through-type

Article No.

3LD9250-2BA

3LD9240-2B

N/PE terminals for floor mounting



Contacts

Through-type

Article No.

3LD9250-2CA

3LD9240-2C

Auxiliary switches (standard version) for front mounting



- For mounting on the left and/or right
- Lagging switch-on, leading switch-off

Contacts

1 NO + 1 NC

Contact surface

Standard

Gold-plated

Article No.

3LD9200-5B

3LD9200-5BF

Auxiliary switches (standard version) for floor mounting



- For mounting on the left and/or right
- Lagging switch-on, leading switch-off

Contacts

1 NO + 1 NC

Contact surface

Standard

Gold-plated

Article No.

3LD9200-5C

3LD9200-5CF

Auxiliary switch for mounting on the front



- Mounted on the front of the switch shaft
- For long leading times (20 ... 150ms)

Contacts

1 NO + 1 NC

Contact surface

Standard

Gold-plated

Article No.

3LD9280-5D **new**

3LD9240-5D **new**

3LD9280-5DF **new**

3LD9240-5DF **new**

Operating mechanisms

3LD50 3LD54 3LD56 3LD58

Rotary operating mechanism for front mounting



- Lockable in 0 position with up to 3 padlocks

Version	Article No.	3LD50	3LD54	3LD56	3LD58
For main control switches	3LD9284-1B	■			
For EMERGENCY-STOP switches	3LD9284-3B	■			

Knob-operated mechanism for front mounting



- Lockable in 0 position with up to 3 padlocks

Version	Article No.	3LD50	3LD54	3LD56	3LD58
For main control switches	3LD9243-1B		■	■	■
For EMERGENCY-STOP switches	3LD9284-3B		■	■	■

Handles for floor mounting



- Supplied with a masking frame, but without an extension shaft or coupling driver
- Can be locked with up to 3 padlocks

Labeling	Color	Article No.	3LD50	3LD54	3LD56	3LD58
O-I	Gray	8UD1771-2AD01	■			
		8UD1731-2AD01		■	■	■
	Red/yellow	8UD1771-2AD05	■			
		8UD1731-2AD05		■	■	■

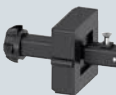
Supplementary handles for door-coupling rotary operating mechanism



- For requirements according to UL508A/NFPA79
- Can be locked with up to 1 padlocks in 0 position
- Can only be switched on by deliberate action

Labeling	Color	Article No.	3LD50	3LD54	3LD56	3LD58
O-I	Gray	3LD9287-1C	■			
		3LD9247-1C		■	■	■
	Red/yellow	3LD9287-3C	■			
		3LD9247-3C		■	■	■

Coupling drivers for floor mounting with door-coupling rotary operating mechanism



Version	Article No.	3LD50	3LD54	3LD56	3LD58
With tolerance compensation	8UD1900-1GA00	■			
	8UD1900-2GA00		■	■	■
Without tolerance compensation	8UD1900-1HA00	■			
	8UD1900-2HA00		■	■	■

Other accessories

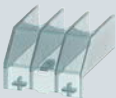
3LD50 3LD54 3LD56 3LD58

Terminal covers

- Pack of 4 units



Number of poles	Article No.	3LD50	3LD54	3LD56	3LD58
1-pole	3LD9251-2A	■			
	3LD9241-2A		■	■	■



3-pole	3LD9251-0A	■			
--------	------------	---	--	--	--

Inscription labels



- Pack of 10 units

Inscription	3LD50	3LD54	3LD56	3LD58
German / English (Hauptschalter / Main Switch)			■	■
Without inscription			■	■

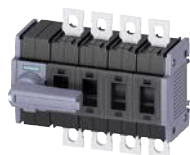
3KD switch disconnectors

System overview

Complete assemblies with direct operating mechanisms



Front operating mechanisms, 3-pole



Front operating mechanisms, 4-pole

Basic units



Front operating mechanisms, 3-pole



Front operating mechanisms, 4-pole



Lateral operating mechanisms, 3-pole



Lateral operating mechanisms, 4-pole



Front-mounted devices, 6-pole for DC applications

8

Additional poles and auxiliary switch modules



4th contact elements



N terminals



N/PE terminals



Auxiliary switch modules

Operating mechanisms



Direct operating mechanisms



Door-coupling rotary operating mechanisms



Handles for door-coupling rotary operating mechanisms



Other accessories for door-coupling rotary operating mechanisms

Other accessories and spare parts



Auxiliary switches



Terminal covers



Phase barriers



Blocking pin test function



Mounting elements



Accessories for DC applications

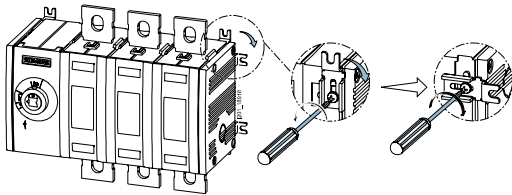
Note:

You will find a detailed range of accessories with the basic units.



Types of mounting

Floor mounting

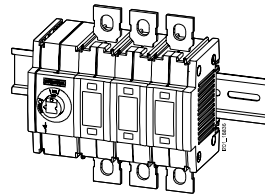


All 3KD switch disconnectors are designed for floor mounting. To ensure that the switch can be flexibly adapted to the relevant installation conditions, the mounting bracket can be rotated through 90° with size 3 or larger.

You will find further information under:
sie.ag/2UlrAvy



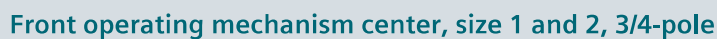
Standard mounting rail



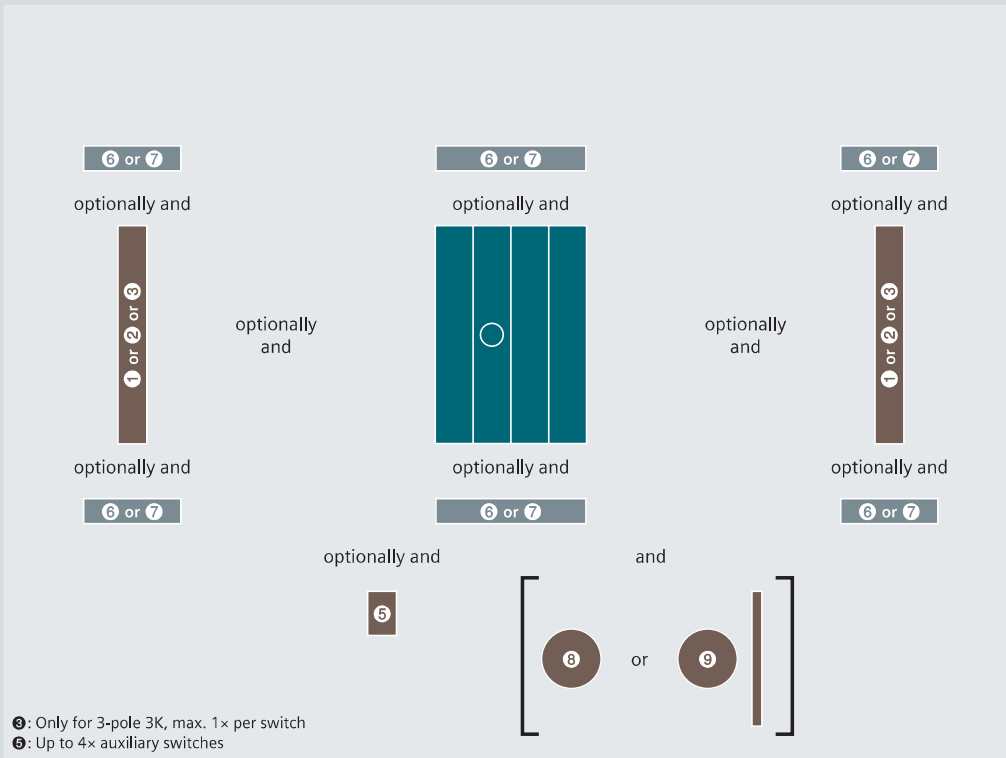
Sizes 1 and 2 can be snapped onto a standard mounting rail (TH35 according to EN 60715) as an alternative mounting method.

Mounting concept and accessories

8



Front operating mechanism center or left, sizes 3 to 5, 3/4-pole



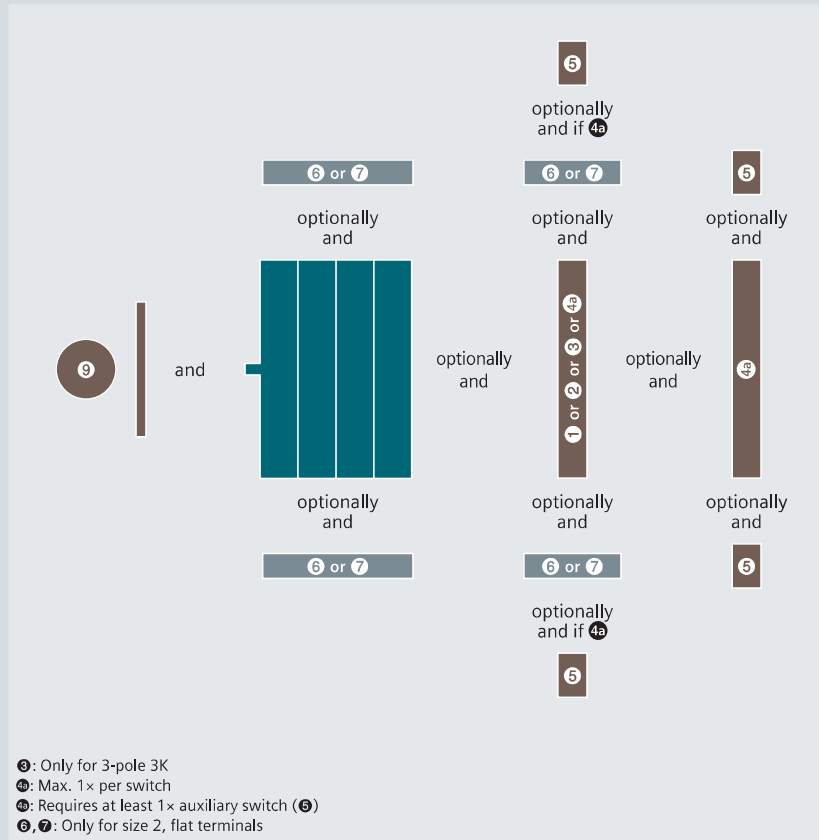
Legend

- ① Neutral conductor terminal
- ② N/PE terminal
- ③ 4th contact element
- ④ Auxiliary switch module, version with test function and version with leading NO contact and test function
- ④b Auxiliary switch module for auxiliary switches, standard version
- ⑤ Auxiliary switch
- ⑥ Phase barrier
- ⑦ Terminal cover
- ⑧ Direct operating mechanism
- ⑨ Door-coupling rotary operating mechanism

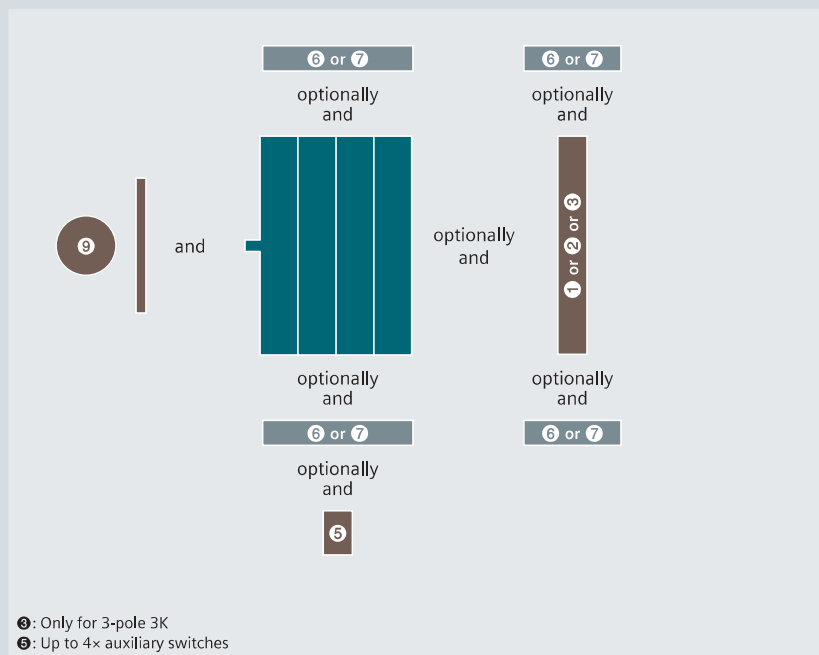
3KD switch disconnectors

Mounting concept and accessories

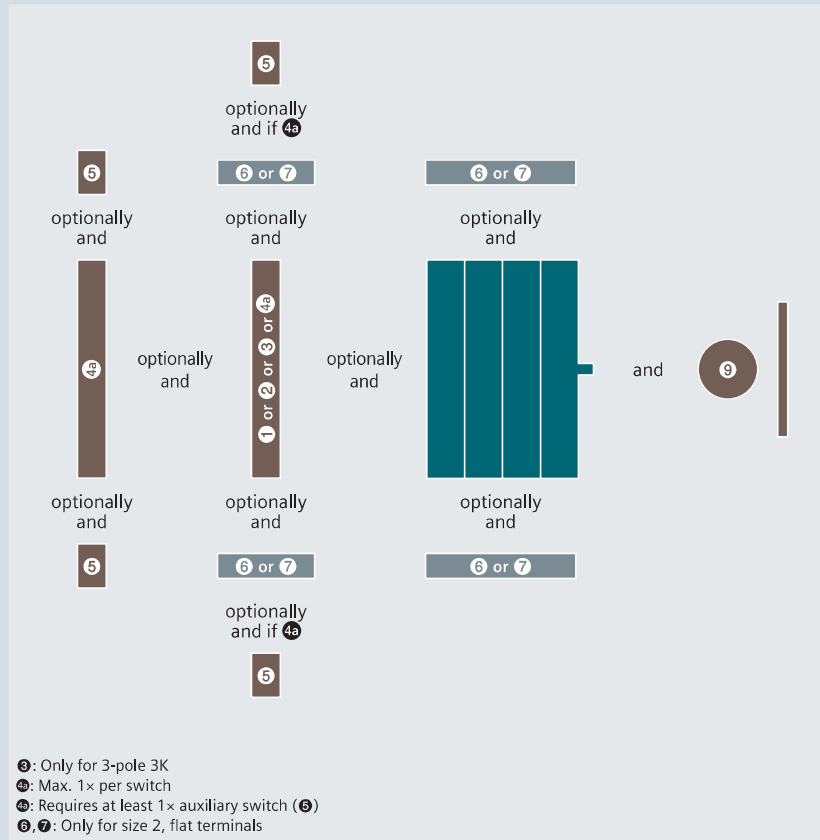
Lateral operating mechanism left, sizes 1 and 2, 3/4-pole



Lateral operating mechanism left, sizes 3 to 5, 3/4-pole



Lateral operating mechanism right, sizes 1 and 2, 3/4-pole

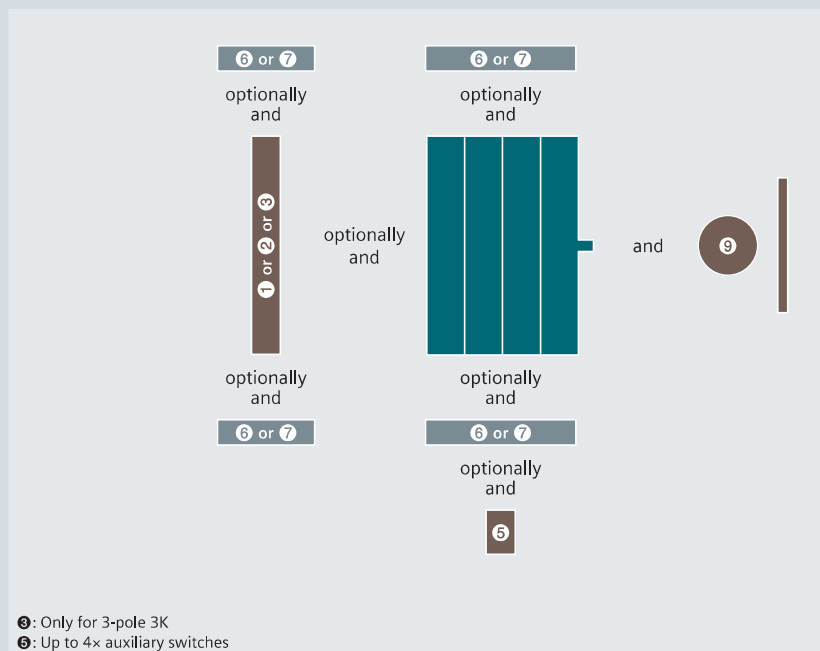


Legend

- 1 Neutral conductor terminal
- 2 N/PE terminal
- 3 4th contact element
- 4a Auxiliary switch module for auxiliary switches, standard version
- 5 Auxiliary switch
- 6 Phase barrier
- 7 Terminal cover
- 9 Door-coupling rotary operating mechanism

8

Lateral operating mechanism right, sizes 3 to 5, 3/4-pole

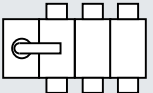
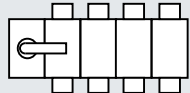
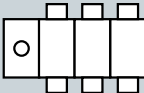
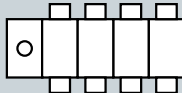
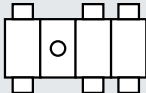


Legend

- 1 Neutral conductor terminal
- 2 N/PE terminal
- 3 4th contact element
- 5 Auxiliary switch
- 6 Phase barrier
- 7 Terminal cover
- 9 Door-coupling rotary operating mechanism

3KD switch disconnectors



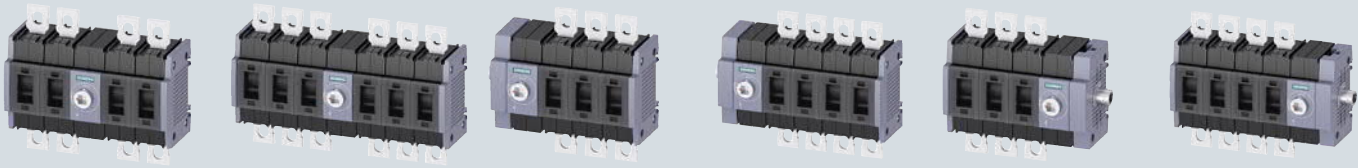
		Complete assemblies with direct operating mechanisms		Basic units without handle		
		Front operating mechanism Left		Front operating mechanism Left		Center
Number of poles		3P	4P	3P	4P	3P
						
Size	Uninterrupted current I _u					
Box terminals						
1	16 A	3KD1632-2ME10-0	3KD1642-2ME10-0	3KD1630-2ME10-0	3KD1640-2ME10-0	3KD1630-2ME20-0
	32 A	3KD2232-2ME10-0	3KD2242-2ME10-0	3KD2230-2ME10-0	3KD2240-2ME10-0	3KD2230-2ME20-0
	63 A	3KD2632-2ME10-0	3KD2642-2ME10-0	3KD2630-2ME10-0	3KD2640-2ME10-0	3KD2630-2ME20-0
	80 A new	3KD2832-2ME10-0	3KD2842-2ME10-0	3KD2830-2ME10-0	3KD2840-2ME10-0	3KD2830-2ME20-0
	100 A new	3KD3032-2ME10-0	3KD3042-2ME10-0	3KD3030-2ME10-0	3KD3040-2ME10-0	3KD3030-2ME20-0
2	80 A	3KD2832-2NE10-0	3KD2842-2NE10-0	3KD2830-2NE10-0	3KD2840-2NE10-0	3KD2830-2NE20-0
	100 A	3KD3032-2NE10-0	3KD3042-2NE10-0	3KD3030-2NE10-0	3KD3040-2NE10-0	3KD3030-2NE20-0
	125 A	3KD3232-2NE10-0	3KD3242-2NE10-0	3KD3230-2NE10-0	3KD3240-2NE10-0	3KD3230-2NE20-0
	160 A	3KD3432-2NE10-0	3KD3442-2NE10-0	3KD3430-2NE10-0	3KD3440-2NE10-0	3KD3430-2NE20-0
Flat terminals						
2	80 A	3KD2832-0NE10-0	3KD2842-0NE10-0	3KD2830-0NE10-0	3KD2840-0NE10-0	3KD2830-0NE20-0
	100 A	3KD3032-0NE10-0	3KD3042-0NE10-0	3KD3030-0NE10-0	3KD3040-0NE10-0	3KD3030-0NE20-0
	125 A	3KD3232-0NE10-0	3KD3242-0NE10-0	3KD3230-0NE10-0	3KD3240-0NE10-0	3KD3230-0NE20-0
	160 A	3KD3432-0NE10-0	3KD3442-0NE10-0	3KD3430-0NE10-0	3KD3440-0NE10-0	3KD3430-0NE20-0
	200 A	3KD3632-0NE10-0	3KD3642-0NE10-0	3KD3630-0NE10-0	3KD3640-0NE10-0	3KD3630-0NE20-0
	250 A new	3KD3832-0NE10-0	3KD3842-0NE10-0	3KD3830-0NE10-0	3KD3840-0NE10-0	3KD3830-0NE20-0
3	200 A	3KD3632-0PE10-0	3KD3642-0PE10-0	3KD3630-0PE10-0	3KD3640-0PE10-0	3KD3630-0PE20-0
	250 A	3KD3832-0PE10-0	3KD3842-0PE10-0	3KD3830-0PE10-0	3KD3840-0PE10-0	3KD3830-0PE20-0
	315 A	3KD4032-0PE10-0	3KD4042-0PE10-0	3KD4030-0PE10-0	3KD4040-0PE10-0	3KD4030-0PE20-0
	400 A	3KD4232-0PE10-0	3KD4242-0PE10-0	3KD4230-0PE10-0	3KD4240-0PE10-0	3KD4230-0PE20-0
	500 A new	3KD4432-0PE10-0	3KD4442-0PE10-0	3KD4430-0PE10-0	3KD4440-0PE10-0	3KD4430-0PE20-0
4	500 A	3KD4432-0QE10-0	3KD4442-0QE10-0	3KD4430-0QE10-0	3KD4440-0QE10-0	3KD4430-0QE20-0
	630 A	3KD4632-0QE10-0	3KD4642-0QE10-0	3KD4630-0QE10-0	3KD4640-0QE10-0	3KD4630-0QE20-0
	800 A	3KD4832-0QE10-0	3KD4842-0QE10-0	3KD4830-0QE10-0	3KD4840-0QE10-0	3KD4830-0QE20-0
	1000 A new	3KD5032-0QE10-0	3KD5042-0QE10-0	3KD5030-0QE10-0	3KD5040-0QE10-0	3KD5030-0QE20-0
5	1000 A	3KD5032-0RE10-0	3KD5042-0RE10-0	3KD5030-0RE10-0	3KD5040-0RE10-0	3KD5030-0RE20-0
	1250 A	3KD5232-0RE10-0	3KD5242-0RE10-0	3KD5230-0RE10-0	3KD5240-0RE10-0	3KD5230-0RE20-0
	1600 A	3KD5432-0RE10-0	3KD5442-0RE10-0	3KD5430-0RE10-0	3KD5440-0RE10-0	3KD5430-0RE20-0
	2000 A new	3KD5632-0RE10-0	3KD5642-0RE10-0	3KD5630-0RE10-0	3KD5640-0RE10-0	3KD5630-0RE20-0

Scope of supply:

- Incl. terminal covers on input and output side for sizes 01 and 02
- Incl. phase barriers for size 2 with flat terminals
- Terminal covers must be ordered separately for switch disconnectors with flat terminals and direct operating mechanisms.

Mounting:

- The switch disconnectors are designed for floor mounting and the sizes 01, 02, 1 and 2 can optionally also be mounted on standard mounting rails.



		Lateral operating mechanism Left		Right	
4P	6P for DC applications	3P	4P	3P	4P
3KD1640-2ME20-0	3KD1660-2ME20-0	3KD1634-2ME10-0	3KD1644-2ME10-0	3KD1634-2ME40-0	3KD1644-2ME40-0
3KD2240-2ME20-0	3KD2260-2ME20-0	3KD2234-2ME10-0	3KD2244-2ME10-0	3KD2234-2ME40-0	3KD2244-2ME40-0
3KD2640-2ME20-0	3KD2660-2ME20-0	3KD2634-2ME10-0	3KD2644-2ME10-0	3KD2634-2ME40-0	3KD2644-2ME40-0
3KD2840-2ME20-0	–	3KD2834-2ME10-0	3KD2844-2ME10-0	3KD2834-2ME40-0	3KD2844-2ME40-0
3KD3040-2ME20-0	–	3KD3034-2ME10-0	3KD3044-2ME10-0	3KD3034-2ME40-0	3KD3044-2ME40-0
3KD2840-2NE20-0	3KD2860-2NE20-0	3KD2834-2NE10-0	3KD2844-2NE10-0	3KD2834-2NE40-0	3KD2844-2NE40-0
3KD3040-2NE20-0	3KD3060-2NE20-0	3KD3034-2NE10-0	3KD3044-2NE10-0	3KD3034-2NE40-0	3KD3044-2NE40-0
3KD3240-2NE20-0	3KD3260-2NE20-0	3KD3234-2NE10-0	3KD3244-2NE10-0	3KD3234-2NE40-0	3KD3244-2NE40-0
3KD3440-2NE20-0	3KD3460-2NE20-0	3KD3434-2NE10-0	3KD3444-2NE10-0	3KD3434-2NE40-0	3KD3444-2NE40-0
3KD2840-0NE20-0	3KD2860-0NE20-0	3KD2834-0NE10-0	3KD2844-0NE10-0	3KD2834-0NE40-0	3KD2844-0NE40-0
3KD3040-0NE20-0	3KD3060-0NE20-0	3KD3034-0NE10-0	3KD3044-0NE10-0	3KD3034-0NE40-0	3KD3044-0NE40-0
3KD3240-0NE20-0	3KD3260-0NE20-0	3KD3234-0NE10-0	3KD3244-0NE10-0	3KD3234-0NE40-0	3KD3244-0NE40-0
3KD3440-0NE20-0	3KD3460-0NE20-0	3KD3434-0NE10-0	3KD3444-0NE10-0	3KD3434-0NE40-0	3KD3444-0NE40-0
3KD3640-0NE20-0	–	3KD3634-0NE10-0	3KD3644-0NE10-0	3KD3634-0NE40-0	3KD3644-0NE40-0
3KD3840-0NE20-0	–	3KD3834-0NE10-0	3KD3844-0NE10-0	3KD3834-0NE40-0	3KD3844-0NE40-0
3KD3640-0PE20-0	3KD3660-0PE20-0	3KD3634-0PE10-0	3KD3644-0PE10-0	3KD3634-0PE40-0	3KD3644-0PE40-0
3KD3840-0PE20-0	3KD3860-0PE20-0	3KD3834-0PE10-0	3KD3844-0PE10-0	3KD3834-0PE40-0	3KD3844-0PE40-0
3KD4040-0PE20-0	3KD4060-0PE20-0	3KD4034-0PE10-0	3KD4044-0PE10-0	3KD4034-0PE40-0	3KD4044-0PE40-0
3KD4240-0PE20-0	3KD4260-0PE20-0	3KD4234-0PE10-0	3KD4244-0PE10-0	3KD4234-0PE40-0	3KD4244-0PE40-0
3KD4440-0PE20-0	–	3KD4434-0PE10-0	3KD4444-0PE10-0	3KD4434-0PE40-0	3KD4444-0PE40-0
3KD4440-0QE20-0	3KD4460-0QE20-0	3KD4434-0QE10-0	3KD4444-0QE10-0	3KD4434-0QE40-0	3KD4444-0QE40-0
3KD4640-0QE20-0	3KD4660-0QE20-0	3KD4634-0QE10-0	3KD4644-0QE10-0	3KD4634-0QE40-0	3KD4644-0QE40-0
3KD4840-0QE20-0	3KD4860-0QE20-0	3KD4834-0QE10-0	3KD4844-0QE10-0	3KD4834-0QE40-0	3KD4844-0QE40-0
3KD5040-0QE20-0	–	3KD5034-0QE10-0	3KD5044-0QE10-0	3KD5034-0QE40-0	3KD5044-0QE40-0
3KD5040-0RE20-0	3KD5060-0RE20-0	3KD5034-0RE10-0	3KD5044-0RE10-0	3KD5034-0RE40-0	3KD5044-0RE40-0
3KD5240-0RE20-0	3KD5260-0RE20-0	3KD5234-0RE10-0	3KD5244-0RE10-0	3KD5234-0RE40-0	3KD5244-0RE40-0
3KD5440-0RE20-0	3KD5460-0RE20-0	3KD5434-0RE10-0	3KD5444-0RE10-0	3KD5434-0RE40-0	3KD5444-0RE40-0
3KD5640-0RE20-0	–	3KD5634-0RE10-0	3KD5644-0RE10-0	3KD5634-0RE40-0	3KD5644-0RE40-0

Note:

- The complete assemblies with a direct operating mechanism are not suitable for conversion to door-coupling rotary operating mechanisms; the basic units are to be used for this purpose.
- All basic units without handles are suitable for use with door-coupling rotary operating mechanisms, from size 1 to size 5 these can also be equipped with direct operating mechanisms.
- The switch disconnectors with lateral operating mechanism are suitable for door-coupling rotary operating mechanisms.
- For 3KD switch disconnectors and lateral operating mechanism (left or right), only 8UD door-coupling rotary operating mechanisms without the test function can be used.






3KD switch disconnectors

Accessories





Additional poles

Note:

- Additional poles (4th contact element, N or N/PE terminal) must always be mounted directly adjacent to the switch disconnector on the left or right. Accordingly, an auxiliary switch module must not be mounted between the basic unit and an additional pole on sizes 1 and 2.
- For installation, it is important to note that only a 3-pole 3KD switch disconnector may be retrofitted with an additional switching pole with contact system (4th contact element).

		Size 1	Size 2	Size 3	Size 4	Size 5
4th contact elements (switching pole)						
	<ul style="list-style-type: none"> For upgrading a 3-pole to a 4-pole switch disconnector Identical to the factory-fitted poles For sizes 01 and 02, leading switch-on, lagging switch-off 					
	Connection	Article No.				
	Box terminals	3KD9105-2	■			
	N —  — N	3KD9205-2		■		
	Flat terminals	3KD9205-0		■		
	N —  — N	3KD9305-0			■	
		3KD9405-0				■
		3KD9505-0				■
N terminals (neutral conductor terminal) with removable jumper						
	<ul style="list-style-type: none"> A jumper can be removed in order to interrupt the electrical connection between the terminals 					
	Connection	Article No.				
	Box terminals	3KD9106-2	■			
	— ● — ● —	3KD9206-2		■		
	Flat terminals	3KD9206-0		■		
	— ● — ● —	3KD9306-0			■	
		3KD9406-0				■
		3KD9506-0				■
N/PE terminals with permanent jumper						
	<ul style="list-style-type: none"> Permanent electrical connection between the terminals, cannot be broken 					
	Connection	Article No.				
	Box terminals	3KD9016-8				
	— — — —	3KD9026-8				
		3KD9106-8	■			
		3KD9206-8		■		
	Flat terminals	3KD9206-7		■		
	— — — —	3KD9306-7			■	
		3KD9406-7				■
		3KD9506-7				■

Operating mechanisms

Operating mechanisms					Size 1	Size 2	Size 3	Size 4	Size 5	
Direct operating mechanisms, standard version										
 	<ul style="list-style-type: none">Can be locked with up to 3 padlocksRequires additional mounting depth in locked state									
	Labeling	Color	Article No.							
	Test—O—I	Gray	3KD9101-1		■					
			3KD9201-1			■				
			3KD9301-1				■			
			3KD9401-1					■		
			3KD9501-1						■	
	Red/yellow	Red/yellow	3KD9101-2		■					
			3KD9201-2			■				
			3KD9301-2				■			
3KD9401-2						■				
3KD9501-2							■			
Direct operating mechanisms, flat version										
	<ul style="list-style-type: none">Suitable for distribution boardsCan be locked with 1 padlockNo additional mounting depth in locked state									
	Labeling	Color	Article No.							
	Test—O—I	Gray	3KD9101-0		■					
			3KD9201-0			■				
	Red/yellow	Red/yellow	3KD9101-8		■					
			3KD9201-8			■				
Door-coupling rotary operating mechanisms, complete										
	<ul style="list-style-type: none">Scope of supply:<ul style="list-style-type: none">Handle with masking plateCoupling driverShaft 300 mmCan be locked with up to 3 padlocks									
	Labeling	Tolerance compensation	Defeat function	Color	Article No.					
	O—I	Without	With	Gray	8UD1171-2AD11		■	■		
				Red/yellow	8UD1171-2AD15		■	■		
	Test—O—I	With	With	Gray	8UD1171-2AF21		■	■		
				8UD1141-2AF21				■		
				8UD1151-3AF21					■	
				8UD1161-4AF21					■	
				Red/yellow	8UD1171-2AF25		■	■		
					8UD1141-2AF25				■	
					8UD1151-3AF25					■
					8UD1161-4AF25					■

Note:

- For 3KD switch disconnectors and lateral operating mechanism (left or right), only 8UD door-coupling rotary operating mechanisms without the test function can be used.

3KD switch disconnectors

Accessories

Accessories for door-coupling rotary operating mechanisms

Size 1 Size 2 Size 3 Size 4 Size 5

Handles

- Supplied with a masking frame, but without an extension shaft or coupling driver
- Can be locked with up to 3 padlocks



Labeling	Lighting	Color	Article No.	Size 1	Size 2	Size 3	Size 4	Size 5
O-I	Without	Gray	8UD1771-2AD01	■	■			
			8UD1841-2AD01			■		
			8UD1851-3AD01				■	
			8UD1861-4AD01					■
		Red/yellow	8UD1771-2AD05	■	■			
			8UD1841-2AD05			■		
			8UD1851-3AD05				■	
			8UD1861-4AD05					■
	With	Gray	8UD1771-2CD01	■	■			
			8UD1841-2CD01			■		
			8UD1851-3CD01				■	
			8UD1861-4CD01					■
		Red/yellow	8UD1771-2CD05	■	■			
			8UD1841-2CD05			■		
			8UD1851-3CD05				■	
			8UD1861-4CD05					■
Test-O-I	Without	Gray	8UD1771-2AF01	■	■			
			8UD1841-2AF01			■		
			8UD1851-3AF01				■	
			8UD1861-4AF01					■
		Red/yellow	8UD1771-2AF05	■	■			
			8UD1841-2AF05			■		
			8UD1851-3AF05				■	
			8UD1861-4AF05					■
	With	Gray	8UD1771-2CF01	■	■			
			8UD1841-2CF01			■		
			8UD1851-3CF01				■	
			8UD1861-4CF01					■
		Red/yellow	8UD1771-2CF05	■	■			
			8UD1841-2CF05			■		
			8UD1851-3CF05				■	
			8UD1861-4CF05					■

Extension shafts

- A shaft jack is required for the 8UD1 handle when the 600 mm long shaft is used and for sizes 1 and 2






Length	Article No.	Size 1	Size 2	Size 3	Size 4	Size 5
300 mm	8UC6032	■	■	■		
	8UC6033				■	
	8UC6034					■
600 mm	8UC6082	■	■	■		
	8UC6083				■	
	8UC6084					■

Shaft jack for 8UD1 handle












Version	Article No.	Size 1	Size 2	Size 3	Size 4	Size 5
For shaft 600 mm	8UD1900-0FA00	■	■			

Accessories for door-coupling rotary operating mechanisms

			Size 1	Size 2	Size 3	Size 4	Size 5
Coupling drivers							
	Version	Article No.					
	With tolerance compensation	8UD1900-2GA00	■	■			
		8UD1900-6GA00			■		
		8UD1900-3GA00				■	
		8UD1900-4GA00					■
	Without tolerance compensation	8UD1900-2HA00	■	■			
		8UD1900-6HA00			■		
		8UD1900-3HA00				■	
		8UD1900-4HA00					■
	Shaft couplings						
		Article No.					
		8UC6022	■	■	■		
		8UC6023				■	
		8UC6024					■

Other accessories and spare parts

8



				Size 1	Size 2	Size 3	Size 4	Size 5
Auxiliary switch modules								
	<ul style="list-style-type: none"> Auxiliary switch modules are supplied without auxiliary switches. A maximum of 2 auxiliary switches can be installed per auxiliary module The 3KD9103-6 and 3KD9103-7 auxiliary switch modules can only be used with 3KD directly on the operating mechanism if the operating mechanism is on the front or on the left 							
	Variant	Article No.						
	Standard version	3KD9103-5	■	■				
	With test function	3KD9103-6	■	■				
	With leading NO contact and test function	3KD9103-7	■	■				
	Auxiliary switches							
	<ul style="list-style-type: none"> Auxiliary switches for sizes 3 to 5 have screw terminals and are mounted on the operating mechanism module of the 3KD. Auxiliary switches with spring-type terminals from the 3SU1 range can also be used. All auxiliary switches for sizes 3 to 5 can be used as leading auxiliary switches, depending on the mounting position of the auxiliary switch (see Operating Instructions). 							
	Variant	Contacts	Contact surface	Article No.				
	With connecting cables	1 CO	Standard	3KD9103-1	■	■		
			Solid-state compatible	3KD9103-3	■	■		
	Without connecting cables	1 CO	Standard	3KD9103-2	■	■		
			Solid-state compatible	3KD9103-4	■	■		
	1 NO		Standard	3SU1400-1AA10-1BA0			■	■
			Gold-plated	3SU1400-1AA10-1LA0			■	■
	1 NC		Standard	3SU1400-1AA10-1CA0			■	■
			Gold-plated	3SU1400-1AA10-1MA0			■	■
	1 NO + 1 NC		Standard	3SU1400-1AA10-1FA0			■	■
			Gold-plated	3SU1400-1AA10-1QA0			■	■
	2 NO		Standard	3SU1400-1AA10-1DA0			■	■
			Gold-plated	3SU1400-1AA10-1NA0			■	■
	2 NC		Standard	3SU1400-1AA10-1EA0			■	■
			Gold-plated	3SU1400-1AA10-1PA0			■	■

3KD switch disconnectors

Other accessories and spare parts

					Size 1	Size 2	Size 3	Size 4	Size 5		
Phase barriers											
	<ul style="list-style-type: none">For 3KD with flat terminalsFor 3KD size 2 with flat terminals, phase barriers are already contained in the scope of supply.										
	Version	Scope of supply	Article No.								
	For 3-pole devices	6 units	3KD9108-6			■					
			3KD9308-6				■				
			3KD9408-6					■			
			3KD9508-6						■		
	For 4-pole devices	8 units	3KD9108-8			■					
			3KD9308-8				■				
			3KD9408-8					■			
			3KD9508-8						■		
Terminal covers											
	<ul style="list-style-type: none">For 3KD with flat terminalsNot permissible for 2000 A devices										
	Version	Scope of supply	Variant	Article No.							
	For 3-pole devices	6 units	Standard length	3KD9204-6			■				
				3KD9304-6				■			
				3KD9404-6					■		
				3KD9504-6						■	
			Short version	3KD9204-7			■				
				3KD9304-7				■			
				3KD9404-7					■		
				For 4-pole devices	8 units	Standard length	3KD9204-8			■	
	3KD9304-8							■			
	3KD9404-8								■		
	3KD9504-8									■	
	Short version	3KD9204-5					■				
		3KD9304-5						■			
		3KD9404-5							■		
		Spare part for terminal covers									
		<ul style="list-style-type: none">Not permissible for 2000 A devices									
		Scope of supply	Variant	Article No.							
		1 unit	Standard length	3KD9504-1						■	
			Short version	3KD9204-1			■				
			3KD9304-1				■				
			3KD9404-1					■			
Blocking pin test function											
	<ul style="list-style-type: none">Enables permanent deactivation of the test function for auxiliary switchesIt is installed in the operating mechanism module of the 3KD switch disconnector										
		Scope of supply	Article No.								
		10 units	3KF9112-1AA00		■	■					
	3KF9412-1AA00				■	■					
	3KF9512-1AA00						■				
Mounting brackets											
	<ul style="list-style-type: none">Spare part, included in the scope of supply of the 3KD										
		Scope of supply	Article No.								
		4 units	3KD9120-1		■	■					
	3KF9212-0AA00				■						
	3KF9412-0AA00					■					
	3KF9512-0AA00						■				
Slide for mounting on a standard mounting rail											
	<ul style="list-style-type: none">Spare part, included in the scope of supply of the 3KD										
		Scope of supply	Article No.								
		5 units	3KF9112-0BA00		■	■					

Accessories for DC applications

		Size 1	Size 2	Size 3	Size 4	Size 5
Connecting bridges						
	<ul style="list-style-type: none"> Suitable for connecting two poles For 3KD switch disconnectors with 400 A, 800 A, 1250 A and 1600 A, two units are required. 					
	Connection	Article No.				
	Box terminals	3KD9118-1	■			
		3KD9218-1		■		
	Flat terminals	3KD9218-0		■		
		3KD9318-0			■	
		3KD9418-0				■
		3KD9518-0				■
	Terminal covers for connecting bridges					
	<ul style="list-style-type: none"> For 3KD with flat terminals 					
	Article No.					
	3KD9204-0		■			
	3KD9304-0			■		
	3KD9404-0				■	
	3KD9504-0					■

5TE1 switch disconnectors

System overview

Switch disconnectors



Transparent



Red/yellow

Accessories



Auxiliary switches



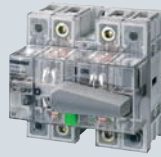
Cage terminals




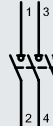




Terminal covers

Note:

You will find a detailed range of accessories with the basic units.

18 ... 33 kA_{rms}

			Switch disconnectors, transparent				Switch disconnectors, red/yellow	
			Number of poles	2P	3P	3P+N	4P	3P
								
Mounting width	Rated operational current I _e	Rated operational voltage U _e						
5 MW	100 A	690 V	5TE1210	5TE1310	5TE1610	5TE1410	5TE1315	5TE1415
	125 A	690 V	5TE1220	5TE1320	5TE1620	5TE1420	5TE1325	5TE1425
8 MW	160 A	690 V	5TE1230	5TE1330	5TE1630	5TE1430	5TE1335	5TE1435
	200 A	690 V	5TE1240	5TE1340	5TE1640	5TE1440	5TE1345	5TE1445

Accessories

Auxiliary switches



- Can be mounted optionally left or right or on both sides (2 units)

Contact load	Contacts	I _e	U _e	Article No.
Min. 24 V, 50 mA	1 CO	6 A	230 V	5TE9005
	2 CO	6 A	230 V	5TE9006

Rotary operating mechanisms with extension shafts



- For mounting on hinged doors or enclosure lids, lockable

Degree of protection	Color	Shaft length	Article No.
IP65	Black knob	200 mm	5TE9010
		400 mm	5TE9011
	Red knob	200 mm	5TE9012
		400 mm	5TE9013

Conversion kit, 4-pole



- For connection of busbars or cables with cable lugs
- For busbars max. 15 mm wide including terminal cover

Version	Article No.
For 100 A and 125 A switch disconnectors	5TE9015

Cage terminals



- Terminal diameter 14,5 mm for 35-mm² cables
- Hexagon socket-head screw 5 mm

Version	Number of poles	Scope of supply	Article No.
For 160 A and 200 A switch disconnectors	3-pole	1 set = 3 units	5TE9003
	4-pole	1 set = 4 units	5TE9004

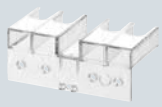
Locking units



- For up to three padlocks with max. diam. 8 mm

Article No.
5TE9014

Terminal covers, sealable



Version	Article No.
For 100 A and 125 A switch disconnectors	5TE9000



For 160 A and 200 A switch disconnectors	5TE9001
--	---------

Fuse switch disconnectors

Quick selection guide



3NP1



Size

000

00

1

2

3

General technical details acc. to IEC 60947-3

Basic data

Rated uninterrupted current I_u	A	160 ²⁾	160	250	400	630
For fuse links acc. to IEC 60269-2	Size	000	00 and 000	1 and 0	2 and 1	3 and 2
Rated operational voltage U_e	At 50/60 Hz AC	V		690		
	At DC (3 conducting paths in series)	V		440		
	At DC (2 conducting paths in series)	V		240		
	At DC	V		—		
	For utilization category AC-20B or DC-20B	V		690 ¹⁾		

Operating and short-circuit behavior

Rated operational current I_e	At AC-21B, 400 V AC	A	160 ²⁾	160	250	400	630
	At AC-22B, 400 V AC	A	160 ²⁾	160	250	400	630
	At AC-23B, 400 V AC	A	160 ²⁾	160	250	400	630
	At AC-21B, 500 V AC	A	160 ²⁾	160	250	400	630
	At AC-22B, 500 V AC	A	125 ²⁾	160	250	400	630
	At AC-23B, 500 V AC	A	40	63	200	315	500
	At AC-21B, 690 V AC	A	160 ²⁾	160	250	400	630
	At AC-22B, 690 V AC	A	50	125	250	400	500
	At AC-23B, 690 V AC	A	25	35	100	125	200
	At DC-21B (2 conducting paths in series), 240 V DC	A	160 ²⁾	160	250	400	630
	At DC-22B (2 conducting paths in series), 240 V DC	A	100	160	250	400	630
	At DC-23B (2 conducting paths in series), 240 V DC	A	80	100	200	250	400
	At DC-21B (3 conducting paths in series), 440 V DC	A	100	160	250	400	630
Rated conditional short-circuit current with fuses (by fast switch on)	Rated current at 400 V/500 V/690 V	kA	80/80/80	80/80/80	80/80/50	80/80/50	50/50/50
	Permissible let-through current of the fuses, peak value	kA	10	15	25	40	50
Short-circuit strength with fuses (with closed disconnector)	Rated current at 500 V/690 V	kA	120/100	120/100	120/100	100/100	100/100
	Permissible let-through I^2t value of the fuses	kA ² s	223	223	780	2150	5400
	Permissible let-through current of the fuses, peak value	kA	15	23	32	40	60
Rated making capacity	With isolating blades at 500 V AC	kA	2	6	17	17	17
Rated short-time withstand current I_{cw}		kA	—	—	—	—	—
Rated insulation voltage U_i		V	690 ¹⁾	690 ¹⁾	690 ¹⁾	690 ¹⁾	690 ¹⁾
Rated impulse withstand voltage U_{imp}		kV	8	8	8	8	8
Power loss per pole of the switch at I_{th} (without fuses)		W	5	5	8	14	30
Maximum power loss of the usable fuses (per fuse)		W	7.5 ³⁾	12	23	34	48
Mechanical endurance, operating cycles			2000	2000	1600	1000	1000

Degree of protection

Without masking plate or terminal cover – switch closed / open	IP30/IP20	IP30/IP20	IP30/IP20	IP30/IP20	IP30/IP20
With masking plate or terminal cover – switch closed / open	IP40/IP20	IP40/IP20	IP40/IP20	IP40/IP20	IP40/IP20

Certifications and approvals

VDE, CCC, LR, US

More information

Catalog LV 10 04/2020

[see page 8/80](#)

The technical specifications apply to the standard types stated below.
For the complete specifications for all versions, see the Online Support

3NP1: 3-pole and 4-pole devices without fuse monitoring

3NP5: Devices without fuse monitoring

3NJ4/5: Disconnectors for cable and line protection without fuse monitoring, not for transformer protection

¹⁾ Applies to degree of pollution 3
(for degree of pollution 2, use up to U_i 1000 V possible)

²⁾ Only with use of the infeed terminal, otherwise up to 100 A

³⁾ Max. 9 W for operation up to 160 A

3NP5



3NJ4/3NJ5



5SG76



00	1	2	3	00	1	2	3	4a	D01
160	250	400	630	160	250	400	630	1250	16
00	1 and 0	2 and 1	3 and 2	00 and 000	1 and 0	2 and 1	3 and 2	4a	D01
	690					690			400, 415
	440					–			–
	220					–			110
	–					–			48
	690					–			–
160	250	400	630	160	250	400	630	1250	16
160	250	400	630	160	250	400	630	1250	16
160	250	400	630	–	250	400	–	–	–
160	250	400	630	160	250	400	630	1250	–
160	250	400	630	160	250	400	630	1250	–
160	250	400	630	–	–	–	–	–	–
160	250	400	630	100	250	400	630	1250	–
160	250	400	630	100	250	–	–	–	–
100	160	315	400	–	–	–	–	–	–
160	250	400	630	–	–	–	–	–	–
160	250	400	630	–	–	–	–	–	–
160	250	400	630	–	–	–	–	–	–
160	250	400	630	–	–	–	–	–	–
160	250	400	630	–	–	–	–	–	–
160	250	400	630	–	–	–	–	–	–
50/50/–	50/50/–	50/50/–	50/50/–	–	–	–	–	–	50/–/–
15	25	40	50	–	–	–	–	–	–
100/–	100/–	50/–	50/–	80	120	120	120	80	–
223	780	2150	5400	–	–	–	–	–	–
23	32	40	60	–	–	–	–	–	–
6	17	17	17	–	–	–	–	–	–
–	–	–	–	–	14.5	14.5	14.5	35	–
690 ¹⁾	690 ¹⁾	690 ¹⁾	690 ¹⁾	800	1000	1000	1000	1000	400
6	6	6	6	8	12	12	12	12	2.5
7.8	7.5	15	39	18	23	54	115	190	–
12	23	34	48	12	32	45	48	110	2.5
1600	1600	1600	1600	1400	1400	800	800	500	–
IP00/IP00	IP00/IP00	IP00/IP00	IP00/IP00	IP00/IP00	IP00/IP00	IP00/IP00	IP00/IP00	IP00/IP00	IP20/IP20
IP30/IP10	IP30/IP10	IP30/IP10	IP30/IP10	IP30/IP10	IP30/IP10	IP30/IP10	IP30/IP10	IP10/IP00	IP20/IP20
CCC									
see page 8/94				see page 8/98				see page 8/110	

3NP1 fuse switch disconnectors

System overview

Basic units

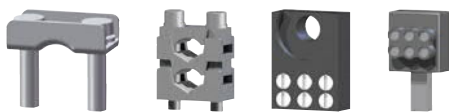


1, 3, 4-pole for floor mounting



3 and 4-pole mounting on busbar systems

Connection parts



Terminals for retrofitting to 3NP1



Auxiliary conductor connections



Three-phase busbars

Assembly kits



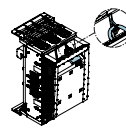
Standard rail mounting



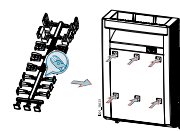
Mechanical connection



1/4-pole busbar mounting



Locking function

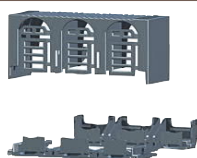


Protection against power theft

Masking frames and covers



Masking frames and supports



Cable connection covers



Reach-around protection for busbar

Other accessories



Auxiliary switches



Isolating blades



Fuse carriers with and without fuse monitoring

Note:

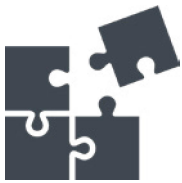
You will find a detailed range of accessories with the basic units.

General information



Modular design

Directly to
3NP1 configurator:



The 3NP1 fuse switch disconnector has a modular design.

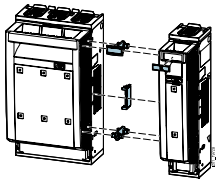
A wide variety of switch combinations can be created by connecting two devices or by subsequently fitting accessories. All common switch combinations are available from the factory ready for installation and can be found on the following ordering overviews. An overview of the possibilities offered by the modular design is provided on these information pages.

The fastest and simplest way to find the right switch combination is to use our 3NP1 configurator in the Siemens Industry Mall.



Number of poles

You will find further
information under:
sie.ag/2UlrAvy



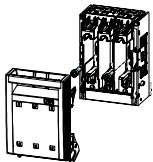
3NP1 fuse switch disconnectors are available from the factory in 1, 3 and 4-pole device versions. 4-pole types are available in all common versions from the factory ready for installation (without fuse monitoring, N-pole on the right-hand side).

All other conceivable device combinations, such as 2-pole 3NP1s, 4-pole with fuse monitoring or with a neutral conductor on the left-hand side can simply be put together on site by combining two 3NP1s. All that is needed for this in addition to the two 3NP1 basic units is the matching connection assembly kit (see accessories).



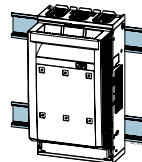
Floor mounting and standard mounting rail

You will find further
information under:
sie.ag/2UlrAvy



All sizes of the 3NP1 fuse switch disconnectors are available in floor mounting versions.

The 3NP1 is mounted on a mounting panel with screws.



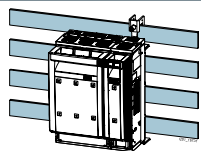
The devices for floor mounting of sizes 000, 00 and 1 can also be mounted on a standard mounting rail using accessories. For this purpose, the assembly kit for mounting on a standard mounting rail is simply mounted on the rear panel of the 3NP1.

3NP1 fuse switch disconnectors

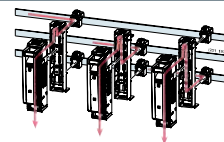
General information



Mounting on busbar systems



3-pole and 4-pole 3NP1 are available for mounting on busbar systems. In the case of 4-pole devices, the infeed for the fourth pole is supplied by the neutral conductor bar located above the 3 phases.



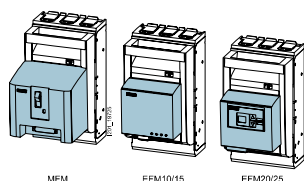
You will find further information under:
sie.ag/2UlrAvy



1-pole 3NP1 devices for wall mounting in sizes 000 and 00 can be adapted to the 8US 60 mm busbar system using the assembly kit for 1-pole busbar mounting. Due to the modular design of the assembly kit, any phase can be selected for the infeed.



Fuse monitoring



The fuse monitoring is used to detect, indicate and signal that a fuse has tripped.

The fuse monitors are permanently installed on the handle of the 3NP1. They have floating contacts for remote signaling of a tripped fuse and also indicate this locally.

Various versions of fuse monitors are available, which can be selected to suit the requirements of the application (functionality, see table).

MFM electromechanical fuse monitoring with an installed SIRIUS circuit breaker

EFM electronic fuse monitoring with evaluation electronics
The EFM15 series is a cost-optimized version of the EFM10. EFM20/25 are versions with additional functions (display indication, detection and signaling of overvoltage/undervoltage with adjustable limits, phase failure detection).

Common combinations of the 3NP1 basic unit and fuse monitoring are available from the factory ready for installation. A fuse monitor can also be easily retrofitted by replacing the fuse carrier. (Fuse carriers for all fuse monitoring versions are available as accessories.)

Note

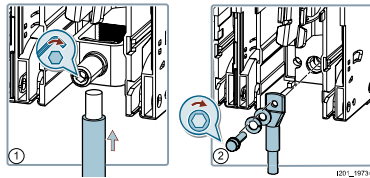
Fuses with insulated grip lugs cannot be used for 3NP1 with fuse monitoring.

		MFM 3-pole	EFM10 3-pole	EFM15					EFM20 3-pole	EFM25 3-pole
				1-pole			3-pole			
				AC/DC	AC	DC	AC	DC		
Local indication	Toggle switch position	■	-	-	-	-	-	-	-	-
	Indication via LEDs for each phase	-	■	■	■	■	■	■	-	-
	Indication via display for each phase	-	-	-	-	-	-	-	■	■
External power supply required		-	-	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC	-	-
Permissible operational voltage	AC	max. 690 V	230 ... 690 V	24 ... 230 V	110 ... 690 V	-	190 ... 690 V	-	230 ... 690 V	-
	DC	max. 440 V	-	24 ... 250 V	-	120 ... 440 V	-	220 ... 440 V	-	220 ... 440 V
Detection and indication of	Overvoltage	-	-	-	-	-	-	-	■	■
	Undervoltage	-	-	-	-	-	-	-	■	■
	Phase failure	-	-	-	-	-	-	-	■	-



Electrical connection

You will find further information under:
sie.ag/2UlrAvy



3NP1 are available in versions with box terminals (all sizes) or flat terminals (sizes 00 and larger).

Various additional types of terminal are available as accessories for adaptation to the respective wiring situation, e.g. prism, saddle or triple terminals.

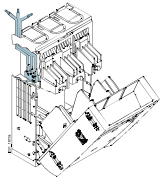


Other accessories

You will find further information under:
sie.ag/2UlrAvy

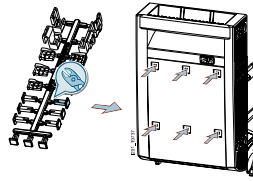


Auxiliary switches



Auxiliary switches enable remote querying of the switch position of the 3NP1. Up to two auxiliary switches can be installed.

Power theft



The assembly kit for protection from power theft seals the holes on the front of the 3NP1 (for voltage testing) permanently, which reliably prevents unauthorized access to live parts.

Isolating blades



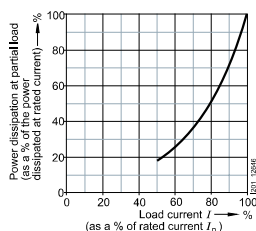
4-pole 3NP1s are used in 3-phase AC systems with switched neutral conductors. They are supplied without an isolating blade for the N pole. The switching instant is selected by choosing the appropriate isolating blade.

8



Suitable fuses

You will find further information under:
sie.ag/2UlrAvy



The 3NP5 fuse switch disconnector is suitable for all fuses with LV HRC design in sizes 000 to 3 that comply with IEC 60269-2, including fuses for cable and line protection and motor protection.

Fuses for semiconductor protection (Siemens trademark SITOP) can also be used. However, some of these fuses have substantially higher power losses than fuses according to IEC 60269-2. This means that the load current has to be reduced until the value that is permissible in the fuse switch disconnector is not exceeded. For use of SITOP semiconductor fuses, ready-made derating tables are available in the linked document.

3NP1 fuse switch disconnectors

For a complete and valid configuration of your fuse switch disconnectors, please use our online configurator at www.siemens.com/lowvoltage/3np1-configurator

Flat terminals

NH00



NH1



NH2








NH3



Fuse monitoring	Number of poles	$I_u = 160\text{ A}$	$I_u = 250\text{ A}$	$I_u = 400\text{ A}$	$I_u = 630\text{ A}$
Floor mounting					
Without	1-pole	3NP1131-1CA10	3NP1141-1DA10	3NP1151-1DA10	3NP1161-1DA10
	3-pole	3NP1133-1CA10	3NP1143-1DA10	3NP1153-1DA10	3NP1163-1DA10
	4-pole	3NP1134-1CA10	3NP1144-1DA10	3NP1154-1DA10	3NP1164-1DA10
MFM	3-pole	3NP1133-1CA11	3NP1143-1DA11	3NP1153-1DA11	3NP1163-1DA11
EFM10	3-pole	3NP1133-1CA12	3NP1143-1DA12	3NP1153-1DA12	3NP1163-1DA12
EFM15	1-pole	3NP1131-1CA14	3NP1141-1DA14	3NP1151-1DA14	3NP1161-1DA14
	3-pole	3NP1133-1CA14	3NP1143-1DA14	3NP1153-1DA14	3NP1163-1DA14
EFM20	3-pole	3NP1133-1CA13	3NP1143-1DA13	3NP1153-1DA13	3NP1163-1DA13
Mounting on 60 mm busbar systems with reach-around protection for Siemens 8US					
Without FM	3-pole	3NP1133-1BC10	3NP1143-1BC10	3NP1153-1BC10	3NP1163-1BC10
	4-pole	3NP1134-1BC10	3NP1144-1BC10	3NP1154-1BC10	3NP1164-1BC10
MFM	3-pole	3NP1133-1BC11	3NP1143-1BC11	3NP1153-1BC11	3NP1163-1BC11
EFM10	3-pole	3NP1133-1BC12	3NP1143-1BC12	3NP1153-1BC12	3NP1163-1BC12
EFM15	3-pole	3NP1133-1BC14	3NP1143-1BC14	3NP1153-1BC14	3NP1163-1BC14
EFM20	3-pole	3NP1133-1BC13	3NP1143-1BC13	3NP1153-1BC13	3NP1163-1BC13
Mounting on 60 mm busbar systems with reach-around protection for Rittal					
Without FM	3-pole	3NP1133-1JC10	3NP1143-1JC10	3NP1153-1JC10	3NP1163-1JC10
MFM	3-pole	3NP1133-1JC11	3NP1143-1JC11	3NP1153-1JC11	3NP1163-1JC11
EFM10	3-pole	3NP1133-1JC12	3NP1143-1JC12	3NP1153-1JC12	3NP1163-1JC12
EFM20	3-pole	3NP1133-1JC13	3NP1143-1JC13	3NP1153-1JC13	3NP1163-1JC13
Mounting on 40 mm busbar systems with reach-around protection for Siemens 8US					
Without FM	3-pole	3NP1133-1BB10	–	–	–
MFM	3-pole	3NP1133-1BB11	–	–	–
EFM10	3-pole	3NP1133-1BB12	–	–	–
EFM20	3-pole	3NP1133-1BB13	–	–	–
Mounting on 40 mm busbar systems with reach-around protection for Rittal					
Without FM	3-pole	3NP1133-1JB10	–	–	–
MFM	3-pole	3NP1133-1JB11	–	–	–
EFM10	3-pole	3NP1133-1JB12	–	–	–
EFM20	3-pole	3NP1133-1JB13	–	–	–

Notes:

- On the 3NP1 with fuse monitoring, the permissible operating voltage is limited by the fuse monitoring
- Permissible operational voltage with fuse monitoring:
 - MFM AC max. 690 V (L – L) / max. 440 V (L+ – L–)
 - EFM10 230 ... 690 V AC (L – L)
 - EFM15 3-pole 190 ... 690 V AC (L – L)
 - EFM15 1-pole 24 ... 240 V AC (L – N) / 24 ... 250 V DC (L+ – L–)
 - EFM20 230 ... 690 V AC (L – L)
- Additional variants are available as accessories:
 - EFM15 with further operating voltage ranges
 - EFM25 – DC version of the EFM20
- Devices for busbar mounting with reach-around protection
 - For Siemens 8US, mounting is possible on the Wöhner Classic and Rittal RiLine systems without a floor pan
 - For Rittal, mounting is possible on the RiLine60 system with a floor pan

Box terminals NH000	NH00	NH1	NH2	NH3
				
$I_u = 100 \text{ A}$	$I_u = 160 \text{ A}$	$I_u = 250 \text{ A}$	$I_u = 400 \text{ A}$	$I_u = 630 \text{ A}$
3NP1121-1CA20	3NP1131-1CA20	3NP1141-1DA20	3NP1151-1DA20	3NP1161-1DA20
3NP1123-1CA20	3NP1133-1CA20	3NP1143-1DA20	3NP1153-1DA20	3NP1163-1DA20
3NP1124-1CA20	3NP1134-1CA20	3NP1144-1DA20	3NP1154-1DA20	3NP1164-1DA20
–	3NP1133-1CA21	3NP1143-1DA21	3NP1153-1DA21	3NP1163-1DA21
3NP1123-1CA22	3NP1133-1CA22	3NP1143-1DA22	3NP1153-1DA22	3NP1163-1DA22
3NP1121-1CA24	3NP1131-1CA24	3NP1141-1DA24	3NP1151-1DA24	3NP1161-1DA24
3NP1123-1CA24	3NP1133-1CA24	3NP1143-1DA24	3NP1153-1DA24	3NP1163-1DA24
3NP1123-1CA23	3NP1133-1CA23	3NP1143-1DA23	3NP1153-1DA23	3NP1163-1DA23
3NP1123-1BC20	3NP1133-1BC20	3NP1143-1BC20	3NP1153-1BC20	3NP1163-1BC20
3NP1124-1BC20	3NP1134-1BC20	3NP1144-1BC20	3NP1154-1BC20	3NP1164-1BC20
–	3NP1133-1BC21	3NP1143-1BC21	3NP1153-1BC21	3NP1163-1BC21
3NP1123-1BC22	3NP1133-1BC22	3NP1143-1BC22	3NP1153-1BC22	3NP1163-1BC22
3NP1123-1BC24	3NP1133-1BC24	3NP1143-1BC24	3NP1153-1BC24	3NP1163-1BC24
3NP1123-1BC23	3NP1133-1BC23	3NP1143-1BC23	3NP1153-1BC23	3NP1163-1BC23
3NP1123-1JC20	3NP1133-1JC20	3NP1143-1JC20	3NP1153-1JC20	3NP1163-1JC20
–	3NP1133-1JC21	3NP1143-1JC21	3NP1153-1JC21	3NP1163-1JC21
3NP1123-1JC22	3NP1133-1JC22	3NP1143-1JC22	3NP1153-1JC22	3NP1163-1JC22
3NP1123-1JC23	3NP1133-1JC23	3NP1143-1JC23	3NP1153-1JC23	3NP1163-1JC23
3NP1123-1BB20	3NP1133-1BB20	–	–	–
–	3NP1133-1BB21	–	–	–
3NP1123-1BB22	3NP1133-1BB22	–	–	–
3NP1123-1BB23	3NP1133-1BB23	–	–	–
3NP1123-1JB20	3NP1133-1JB20	–	–	–
–	3NP1133-1JB21	–	–	–
3NP1123-1JB22	3NP1133-1JB22	–	–	–
3NP1123-1JB23	3NP1133-1JB23	–	–	–

3NP1 fuse switch disconnectors

Accessories

Connection parts

1-pole

3-pole

NH000

NH00


NH1

NH2

NH3



Terminals for 3NP1 with flat terminals

- Contain enough parts to retrofit one side of a 3NP1 accordingly (three terminals for 3-pole 3NP1, one terminal for 1-pole unit)
- If the incoming cable and cable outlet are retrofitted, two packages must be ordered
- Connection module for busbar mounting if a masking frame is to be supported on the 32 mm cover plane (installation of the terminals under the masking frame)

Variant	Conductor cross-section	Article No.	Article No.					
 Saddle terminals	1.5 ... 70 mm ²	3NP1931-1BA00	3NP1933-1BA00		■			
	70 ... 120 mm ²	3NP1941-1BA00	3NP1943-1BA00			■		
	120 ... 240 mm ²	3NP1951-1BA00	3NP1953-1BA00				■	
	150 ... 300 mm ²	3NP1961-1BA00	3NP1963-1BA00					■
 Prism terminals, single	35 ... 95 mm ²	3NP1931-1BB10	3NP1933-1BB10		■			
	70 ... 150 mm ²	3NP1941-1BB10	3NP1943-1BB10			■		
	120 ... 240 mm ²	3NP1951-1BB10	3NP1953-1BB10				■	
	150 ... 300 mm ²	3NP1961-1BB10	3NP1963-1BB10					■
 Prism terminals, double	2× 35 ... 70 mm ²	3NP1941-1BB20	3NP1943-1BB20			■		
	2× 70 ... 120 mm ²	3NP1951-1BB20	3NP1953-1BB20				■	
	2× 150 ... 185 mm ²	3NP1961-1BB20	3NP1963-1BB20					■
 Three-tier terminal	3× 1.5 ... 16 mm ²	3NP1931-1BE10	3NP1933-1BE10		■			
 Connection module	3× 6 ... 70 mm ²	3NP1931-1BC00	3NP1933-1BC00		■			

Terminals for 3NP1 with box terminals

- Contain enough parts to retrofit one side of a 3NP1 accordingly (three terminals for 3-pole 3NP1, one terminal for 1-pole unit)
- If the incoming cable and cable outlet are retrofitted, two packages must be ordered

Variant	Conductor cross-section	Article No.	Article No.					
 Three-tier terminal	3× 1.5 ... 16 mm ²	3NP1921-1BE20	3NP1923-1BE20	■	■			
 Feeder terminal	16 ... 95 mm ²	3NP1921-1BD00	3NP1923-1BD00	■				

Connection parts

3-pole

NH000

NH00

NH1

NH2

NH3

Auxiliary conductor connections

- With the auxiliary conductor connections, small loads can be directly connected to the terminals of the 3NP1
- Connection via flat tab sleeves 6.3 × 0.8 mm, max. 5 A load
- Contains 3 auxiliary conductor connections

Connection

Article No.

With flat terminals

3NP1933-1BG10

3NP1943-1BG10

3NP1943-1BG10

3NP1943-1BG10

With box terminals

3NP1923-1BG40

3NP1933-1BG40

3NP1943-1BG40

3NP1953-1BG40

3NP1953-1BG40

With retrofitted prism and saddle terminals

3NP1933-1BG30

3NP1943-1BG30

3NP1953-1BG30

3NP1953-1BG30

Three-phase busbar system

- With the three-phase busbars, up to 4 3NP1 NH000 for floor mounting can be interconnected on the infeed side. Power is fed in at the feeder terminals.
- With the connection bar, two blocks of bridged 3NP1 can be connected.
- Using the cover cap, the connection tags of the busbar are covered on unused feeders to ensure they are safe to touch.
- The maximum current-carrying capacity of the interconnected 3NP1 is 225 A for the three-phase busbar system.

Version

Scope of supply

Article No.

For 2× 3NP1

1 pack = 5 units

3NP1923-1BF20

For 3× 3NP1

1 pack = 5 units

3NP1923-1BF30

For 4× 3NP1

1 pack = 3 units

3NP1923-1BF40

Connection bars

1 pack = 3 units

3NP1923-1BF50

Covering caps

1 pack = 20 units

3NP1923-1BF10

3NP1 fuse switch disconnectors

Accessories

Assembly kits

NH000 NH00 NH1 NH2 NH3

Retrofitting of locking function



- Not required for the 1-pole 3NP1 – the function is integrated into the switch

Scope of supply

1 pack = 10 units

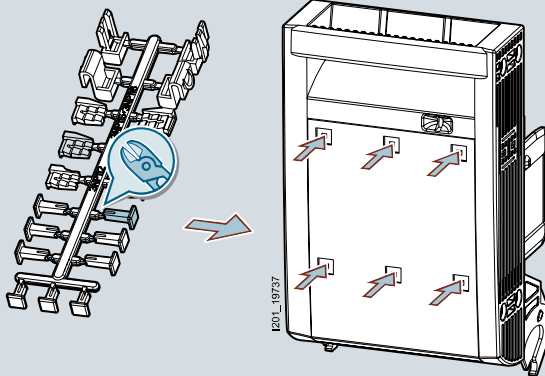
Article No.

3NP1900-1HA00

Protection against power theft



- Closes the holes on the front of the 3NP1 (holes for voltage testing) and secures the front window such that power theft is not possible without visible damage to the 3NP1 (when the 3NP1 is locked or sealed)



Scope of supply

1 pack = 5 units

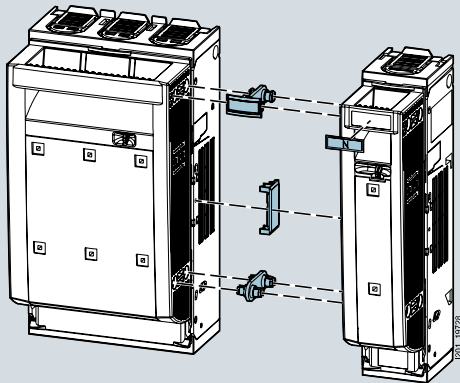
Article No.

3NP1900-1EF00

Mechanical connection of 1-pole and 3-pole 3NP1 devices



- For 3NP1 with floor mounting, to create 2 or 4-pole 3NP1



Expansion of a 3-pole switch size NH00 to form a 4-pole switch



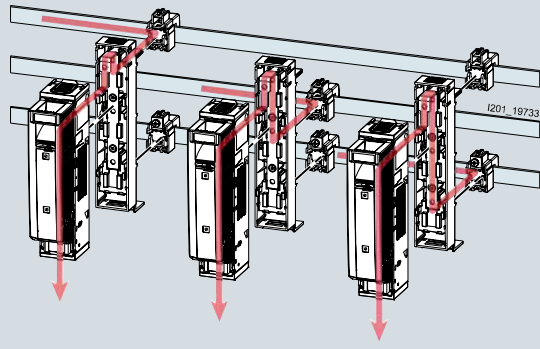
Article No.

3NP1921-1EC00

3NP1931-1EC00


3NP1941-1EC00

Assembly kits

		NH000	NH00	NH1	NH2	NH3
4-pole connecting kit for mounting on a 8US 60-mm busbar						
 <ul style="list-style-type: none"> Connects a 3-pole 3NP1 for busbar mounting 60 mm 8US to a 1-pole 3NP1 for floor mounting The 1-pole 3NP1 switches the neutral conductor of a 3+N system in this combination The neutral conductor busbar of the busbar system is above the three-phase busbars 	Connection	Article No.				
	With flat terminals	3NP1934-1ED20	■			
	With box terminals	3NP1924-1ED10	■			
		3NP1934-1ED10	■			
	With flat terminals or box terminals	3NP1944-1ED00		■		
		3NP1954-1ED00			■	■
1-pole connecting kit for mounting on a 8US 60-mm busbar						
 <ul style="list-style-type: none"> Permits adaptation of a 1-pole 3NP1 for floor mounting to a 3-pole busbar system The feeding busbar (L1, L2 or L3) can be chosen freely. If two such 3NP1 are combined by mechanical connection using the assembly kit, 2-pole 3NP1 for busbar mounting can also be assembled. 	Connection	Article No.				
	With box terminals	3NP1921-1EE10	■			
		3NP1931-1EE10		■		

8



Assembly kits

	1/2-pole	3-pole	4-pole	NH000	NH00	NH1	NH2	NH3
Assembly kits for mounting on standard mounting rail								
 <ul style="list-style-type: none"> Mounting on a standard mounting rail is achieved for size NH000 by mounting on a mounting rail, and for sizes NH00 and NH1 between two mounting rails that are 125 or 150 mm apart (distance can be chosen when the assembly kit is mounted) 	Article No.	Article No.	Article No.					
	3NP1921-1EA00	3NP1923-1EA00	3NP1924-1EA00	■				
	3NP1931-1EB00	3NP1933-1EB00	3NP1933-1EB00		■			
	3NP1943-1EB00	3NP1943-1EB00	3NP1943-1EB00			■		



3NP1 fuse switch disconnectors

Accessories




Masking frames and covers

		1-pole	3-pole	NH000	NH00	NH1	NH2	NH3
Masking frames								
<ul style="list-style-type: none"> The masking frame supports (pack of 2 units) are mounted on the side of the 3NP1 and prevent the supported masking frame from sagging. 								
	Version	Outer dimensions (H×W)	Article No.	Article No.				
	Masking frames	215 × 130 mm	–	3NP1923-1DA00	■			
		215 × 130 mm	–	3NP1933-1DA00		■		
		375 × 220 mm	–	3NP1943-1DA00			■	
		375 × 245 mm	–	3NP1953-1DA00				■
		375 × 290 mm	–	3NP1963-1DA00				■
	Masking frame supports		3NP1923-1CF00	3NP1923-1CF00	■			
			3NP1933-1CF00	3NP1933-1CF00		■		
			3NP1943-1CF00	3NP1943-1CF00			■	■

Cable connection covers

<ul style="list-style-type: none"> Extend the terminal covers integrated in the 3NP1 – they are required, for example, when long, uninsulated cable lugs are used In the version with rear reach-around protection, the underside is also covered. 								
	Version		Article No.	Article No.				
	Without rear reach-around protection		3NP1921-1CB00	3NP1923-1CB00 ¹⁾	■			
			3NP1931-1CB00	3NP1933-1CB00 ²⁾		■		
			3NP1941-1CB00	3NP1943-1CB00			■	
			3NP1951-1CB00	3NP1953-1CB00				■
			3NP1961-1CB00	3NP1963-1CB00				■
	With rear reach-around protection		–	3NP1933-1CC00 ¹⁾		■		
			3NP1931-1CD00	3NP1933-1CD00 ³⁾		■		
			3NP1941-1CD00	3NP1943-1CD00			■	
			3NP1951-1CD00	3NP1953-1CD00				■
			3NP1961-1CD00	3NP1963-1CD00				■

Reach-around protection for busbar mounting




<ul style="list-style-type: none"> Covers the busbar for devices for busbar mounting Contained in the scope of supply of the corresponding 3NP1 (spare part) Because the reach-around protection can be replaced, it can also be used to convert an existing 3NP1 for a different busbar system 								
	Version		Article No.	Article No.				
	For Siemens 8US busbar system		–	3NP1923-1CA10	■			
			–	3NP1933-1CA10		■		
			3NP1941-1CA10	–			■	■
			–	3NP1943-1CA10			■	
			–	3NP1953-1CA10				■
	For Siemens 8US busbar system compact		–	3NP1923-1CA30	■			
	For Rittal busbar system		–	3NP1923-1CA20	■			
			–	3NP1933-1CA20		■		
			–	3NP1943-1CA20			■	
			–	3NP1953-1CA20				■
			–	3NP1963-1CA20				■

¹⁾ Only for 3NP1 for mounting on busbar systems

²⁾ Only for 3NP1 with flat terminals

³⁾ Only for 3NP1 with flat terminals for floor mounting

Other accessories

		NH000	NH00	NH1	NH2	NH3
Auxiliary switches						
	<ul style="list-style-type: none"> In each 3NP1, up to 2 auxiliary switches can be mounted From size NH00, it is possible to choose whether the auxiliary switch will switch simultaneously with the fuses or leading on switch-on. (Only leading possible for size NH000) 					
	Contacts	Article No.				
	1 CO	3NP1920-1FA00	■			
		3NP1930-1FA00		■		
		3NP1940-1FA00		■	■	■
	1 CO, solid-state compatible	3NP1920-1FB00	■			
		3NP1930-1FB00		■		
		3NP1940-1FB00		■	■	■
Isolating blades						
 	<ul style="list-style-type: none"> Are used if only the isolating function of a 3NP1 is required and not protection with fuses or in the neutral conductor of a 4-pole 3NP1. The isolating blade, which is leading on switch-on and lagging on switch-off, is used in the neutral conductor of a 4-pole 3NP1 if shifting of the neutral point of the 3+N system has to be avoided during switching. 					
	Version	Article No.				
	Switching simultaneously with fuses	3NG1002	■	■		
		3NG1202		■		
		3NG1302			■	
		3NG1402				■
	Leading switch-on, lagging switch-off	3NP1924-1MA20	■			
		3NP1934-1MA20		■		
		3NP1944-1MA20		■		
		3NP1954-1MA20			■	
		3NP1964-1MA20				■

3NP1 fuse switch disconnectors

Other accessories

Fuse carriers

- Included in the scope of supply of the 3NP1 (spare parts)
- For retrofitting fuse monitoring on an existing 3NP1 (by replacing the grip)



Version

Standard – without fuse monitoring

Article No.

Article No.

Version	Article No.	Article No.	NH000	NH00	NH1	NH2	NH3
Standard – without fuse monitoring	3NP1921-1GA00	3NP1923-1GA00	■				
	3NP1931-1GA00	3NP1933-1GA00		■			
	3NP1941-1GA00	3NP1943-1GA00			■		
	3NP1951-1GA00	3NP1953-1GA00				■	
	3NP1961-1GA00	3NP1963-1GA00					■
MFM 24 ... 690 V AC (L - L)/24 ... 240 V DC (L+ - L-)	–	3NP1933-1GB10		■			
	–	3NP1943-1GB10			■		
	–	3NP1953-1GB10				■	
	–	3NP1963-1GB10					■
EFM10 230 ... 690 V AC (L - L)	–	3NP1923-1GB20	■				
	–	3NP1933-1GB20		■			
	–	3NP1943-1GB20			■		
	–	3NP1953-1GB20				■	
	–	3NP1963-1GB20					■
EFM15 24 ... 240 V AC (L - N) / 24 ... 250 V DC (L+ - L-)	3NP1921-1GB43	–	■				
	3NP1931-1GB43	–		■			
	3NP1941-1GB43	–			■		
	3NP1951-1GB43	–				■	
	3NP1961-1GB43	–					■
EFM15 110 ... 690 V AC (L - N)	3NP1921-1GB41	–	■				
	3NP1931-1GB41	–		■			
	3NP1941-1GB41	–			■		
	3NP1951-1GB41	–				■	
	3NP1961-1GB41	–					■
EFM15 190 ... 690 V AC (L - L)	–	3NP1923-1GB42	■				
	–	3NP1933-1GB42		■			
	–	3NP1943-1GB42			■		
	–	3NP1953-1GB42				■	
	–	3NP1963-1GB42					■
EFM15 120 ... 440 V DC (L+ - L-)	3NP1921-1GB44	–	■				
	3NP1931-1GB44	–		■			
	3NP1941-1GB44	–			■		
	3NP1951-1GB44	–				■	
	3NP1961-1GB44	–					■
EFM15 220 ... 440 V DC (L+ - L-)	–	3NP1923-1GB45	■				
	–	3NP1933-1GB45		■			
	–	3NP1943-1GB45			■		
	–	3NP1953-1GB45				■	
	–	3NP1963-1GB45					■

Other accessories

1-pole

3-pole

NH000

NH00

NH1

NH2

NH3

Fuse carriers

- Included in the scope of supply of the 3NP1 (spare parts)
- For retrofitting fuse monitoring on an existing 3NP1 (by replacing the grip)



Version

EFM20

230 ... 690 V AC (L - L)

Article No.

Article No.

–	3NP1923-1GB30	■				
–	3NP1933-1GB30		■			
–	3NP1943-1GB30			■		
–	3NP1953-1GB30				■	
–	3NP1963-1GB30					■
–	3NP1923-1GB50	■				
–	3NP1933-1GB50		■			
–	3NP1943-1GB50			■		
–	3NP1953-1GB50				■	
–	3NP1963-1GB50					■



Version

EFM25

220 ... 440 V DC (L+ - L-)

Article No.

Article No.

–	3NP1923-1GB50	■				
–	3NP1933-1GB50		■			
–	3NP1943-1GB50			■		
–	3NP1953-1GB50				■	
–	3NP1963-1GB50					■

3NP5 fuse switch disconnectors

System overview

Basic units



Floor mounting



For 40 mm busbar system

Connection parts



Clamp terminals



Busbar adapters for 60 mm systems

Masking frames and covers

Molded-plastic
masking frames

Cable connection covers

Other accessories



Auxiliary switches



Arc chutes

Assembly kits for
flush mounting

Fuse carriers

Note:

You will find a detailed range of accessories with the basic units.

General information



System description

You will find further information under:
sie.ag/2UlrAvy



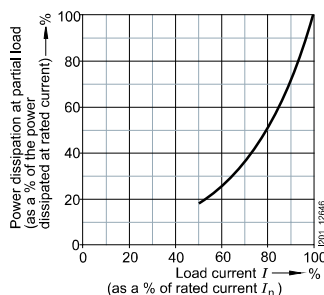
The 3NP5 fuse switch disconnector is an extremely robust device for extreme operating conditions. The fuse carrier has a pretensioned spring that prevents accidental, slow closure. All 3NP5 are designed for mounting on a mounting plate. Size NH00 is also available in versions for 40 mm busbar systems. All sizes can also be mounted using adapters on 60 mm busbar systems.

8



Suitable fuses

You will find further information under:
sie.ag/2UlrAyyw



The 3NP5 fuse switch disconnector is suitable for all fuses with LV HRC design in sizes 000 to 3 that comply with IEC 60269-2, including fuses for cable and line protection and motor protection.

Fuses for semiconductor protection (Siemens trademark SITOP) can also be used. However, some of these fuses have substantially higher power losses than fuses according to IEC 60269-2. This means that the load current has to be reduced until the value that is permissible in the fuse switch disconnector is not exceeded.






For use of Siemens SITOP semiconductor fuses, ready-made derating tables are available in the linked document.

3NP5 fuse switch disconnectors



Types of mounting	Auxiliary switches	$I_u = 160\text{ A}$	$I_u = 250\text{ A}$	$I_u = 400\text{ A}$	$I_u = 630\text{ A}$
Without fuse monitoring					
Floor mounting	Without	3NP5060-0CA00	3NP5260-0CA00	3NP5360-0CA00	3NP5460-0CA00
	1 NO + 1 NC	3NP5060-0CA10	3NP5260-0CA10	3NP5360-0CA10	3NP5460-0CA10
Mounting on 40 mm busbar systems	Without	3NP5065-1CF00	—	—	—
	1 NO + 1 NC	3NP5065-1CF10	—	—	—
Electromechanical fuse monitoring with 1 NO + 1 NC as a signaling contact					
Floor mounting	1 NO + 1 NC	3NP5060-0EA86	3NP5260-0EA86	3NP5360-0EA86	3NP5460-0EA86
Mounting on 40 mm busbar systems	1 NO + 1 NC	3NP5065-1EF86	—	—	—
Electromechanical fuse monitoring with 2 NO as a signaling contact					
Floor mounting	1 NO + 1 NC	3NP5060-0EA26	3NP5260-0EA26	3NP5360-0EA26	3NP5460-0EA26
Mounting on 40 mm busbar systems	1 NO + 1 NC	3NP5065-1EF26	—	—	—
Electronic fuse monitoring with 1 NO + 1 NC as a signaling contact					
Floor mounting	1 NO + 1 NC	3NP5060-0HA13	3NP5260-0HA13	3NP5360-0HA13	3NP5460-0HA13
Mounting on 40 mm busbar systems	1 NO + 1 NC	3NP5065-1HF13	—	—	—

Accessories

			NH00	NH1	NH 2	NH3
Clamp terminals						
	Version	Scope of supply	Article No.			
	For retrofitting to 3NP5 with flat terminals	3 units	3NY1903	■		
			3NY1907		■	
Busbar adapters						
	• For 60 mm busbar system					
	Version	Article No.				
	For adaptation of a 3NP5, for floor mounting on a 60-mm busbar system		8US1291-4SB00	■		
			8US1210-4AG00		■	■
Covers for cable lug connections						
	Version	Scope of supply	Article No.			
	Can be screwed onto the free end of the screw	6 units	3NY1241		■	
			3NY1245			■
Covers for 3NP5, with auxiliary switch mounted						
	• With punched cutouts for auxiliary switches					
	Color	Version	Dimensions	Article No.		
	Gray	Flat	215 × 135 mm	3NY1115	■	
	Black	Flat, with additional bending edges	290 × 135 mm	3NY1116	■	
Covers for 3NP5, without auxiliary switches mounted						
	• With prepunched cutouts for retrofitting an auxiliary switch					
	Color	Version	Dimensions	Article No.		
	Gray	Flat	215 × 135 mm	3NY1105	■	
	Black	Flat	290 × 135 mm	3NY1106	■	
		Angled	265 × 135 mm	3NY1107	■	
		Flat, with additional bending edges	290 × 135 mm	3NY1108	■	

Accessories

			NH00	NH1	NH 2	NH3
Auxiliary switches						
	Version	Article No.				
	1 NO + 1 NC, including mounting kit	3NY3033	■			
		3NY3034		■	■	■
Arc chutes						
	<ul style="list-style-type: none"> Spare part for arc chutes installed in the factory, one unit per switch is required for NH00, three units for NH1 to NH3 					
		Article No.				
		3NY4031	■			
		3NY4011		■		
		3NY4012			■	■
Assembly kits for flush mounting in front panel						
	Version	Article No.				
	Assembly kit with cover and mounting accessories	3NY1208	■			
		3NY1210		■		
		3NY1211			■	
		3NY1212				■
	Covers (spare part for assembly kit)	3NY1102		■		
		3NY1103			■	
		3NY1104				■
Fuse carriers						
	Version	Article No.				
	Without fuse monitoring	3NY1074	■			
		3NY1371		■		
		3NY1372			■	
		3NY1373				■
	With electromechanical fuse monitoring by circuit breakers, signaling contact 1 NO + 1 NC, without connecting cable	3NY1420	■			
		3NY1421		■		
		3NY1422			■	
		3NY1423				■
	With electromechanical fuse monitoring, signaling contact 1 NO + 1 NC, without connecting cable	3NY1513-0	■			
		3NY1513-2		■		
		3NY1513-3			■	
		3NY1513-4				■
Connectors and connecting cables						
	Version	Length	Article No.			
	For electromechanical fuse monitoring	1 m	3NY1910	■	■	■
		3 m	3NY1911	■	■	■
	For electronic fuse monitoring	3 m	3NY1915	■	■	■

3NJ4 fuse switch disconnectors

System overview

1-pole switchable



Standard

For integratable
current transformers

3-pole switchable



Standard

For integratable
current transformersWith electronic
fuse monitoring

Accessories



Covers

Adapters on
busbar systemsMounting and
assembly elementsBusbar connection
assembly kits

Fuses

Current
transformers

Note:

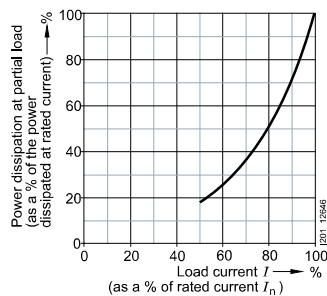
You will find a detailed range of accessories with the basic units.

General information



Suitable fuses

You will find further information under:
sie.ag/2UlrAvy

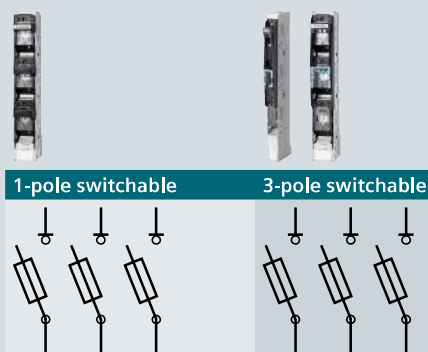


The 3NJ4 fuse switch disconnector is suitable for all fuses with LV HRC design in sizes 000 to 3 that comply with IEC 60269-2, including fuses for cable and line protection and motor protection.

Fuses for semiconductor protection (Siemens trademark SITOP) can also be used. However, some of these fuses have substantially higher power losses than fuses according to IEC 60269-2. This means that the load current has to be reduced until the value that is permissible in the fuse switch disconnector is not exceeded.

For use of Siemens SITOP semiconductor fuses, ready-made derating tables are available in the linked document.

3NJ4 fuse switch disconnectors



Connection	Size of fuse	Busbar center-to-center spacing	Rated operational current I_e	1-pole switchable	3-pole switchable
Standard					
M8 flat connector	NH00/NH000 ¹⁾	185 mm	160 A	3NJ4101-3BF01	3NJ4103-3BF01
	NH00/NH000	100 mm	160 A	–	3NJ4103-3BF02
F70 box terminal	NH00/NH000	100 mm	160 A	–	3NJ4103-3BR02
M10 flat connector	NH1	185 mm	250 A	3NJ4121-3BF01	3NJ4123-3BF01
M12 flat connector	NH2	185 mm	400 A	3NJ4131-3BF01	3NJ4133-3BF01
	NH3	185 mm	630 A	3NJ4141-3BF01	3NJ4143-3BF01
M12 stud terminal	NH1	185 mm	250 A	–	3NJ4123-3BJ01
	NH2	185 mm	400 A	–	3NJ4133-3BJ01
	NH3	185 mm	630 A	–	3NJ4143-3BJ01
M16 × 60 stud terminal	NH4a	185 mm	1250 A	3NJ5643-0BB00	–
V terminal	NH1	185 mm	250 A	–	3NJ4123-3BT01
	NH2	185 mm	400 A	–	3NJ4133-3BT01
	NH3	185 mm	630 A	–	3NJ4143-3BT01
For integratable current transformers					
M8 flat connector	NH00/NH000	100 mm	160 A	–	3NJ4103-3BF12
M10 flat connector	NH1	185 mm	250 A	3NJ4121-3BF11	3NJ4123-3BF11
M12 flat connector	NH2	185 mm	400 A	3NJ4131-3BF11	3NJ4133-3BF11
	NH3	185 mm	630 A	3NJ4141-3BF11	3NJ4143-3BF11
With electronic fuse monitoring devices EFM					
M8 flat connector	NH00/NH000	100 mm	160 A	–	3NJ4103-3CF02
M10 flat connector	NH1	185 mm	250 A	–	3NJ4123-3CF01
M12 flat connector	NH2/NH1	185 mm	400 A	–	3NJ4133-3CF01
	NH3/NH2	185 mm	630 A	–	3NJ4143-3CF01
For integratable current transformers, with EFM electronic fuse monitoring					
M8 flat connector	NH00/NH000	100 mm	160 A	–	3NJ4103-3CF12
M10 flat connector	NH1	185 mm	250 A	–	3NJ4123-3CF11
M12 flat connector	NH2/NH1	185 mm	400 A	–	3NJ4133-3CF11
	NH3/NH2	185 mm	630 A	–	3NJ4143-3CF11
For secondary-side fusing of transformers and incoming block					
Flat connector	NH3	185 mm	1000 A	–	3NJ4153-3BF01
		185 mm	1250 A	–	3NJ4183-3BF01
		185 mm	1600 A	–	3NJ4163-3BF01
		185 mm	2000 A	–	3NJ4173-3BF01

¹⁾ If mounted together with device sizes NH1 to NH3, a 3NJ5930-3BB adapter is required as an accessory to compensate for differences in height.

Note:

- Fixing screws for mounting on busbars must be ordered separately.

3NJ4 fuse switch disconnectors

Accessories

Covers



- Additional touch protection when using cable lugs and as spacer

Size	Busbar center-to-center spacing	Version	Article No.
NH00	100 mm	Top and bottom	3NJ4912-1DA02
	185 mm	100 mm for bottom	3NJ4912-1FA01
		132 mm for top	3NJ4912-1FA00
NH1 ... NH3	Connection from the top		3NJ4912-1AA01
NH3	For double in-line disconnectors		3NJ4912-1EA00

Blanking covers



Version	Length	Width	Busbar center-to-center spacing	Article No.
For switchboard cutout	299 mm	50 mm	100 mm only	3NJ4912-2CA00
	633 mm	50 mm		3NJ4912-2AA00
	633 mm	100 mm		3NJ4912-2BA00

Lateral masking frame supports



- 3 clips with T profile

Size	Article No.
NH00 ... NH3	3NJ4912-2DA00

Fixing clips



Scope of supply	Article No.
1 set = 4 units, including fixing accessories	3NJ4918-0AA00

Unequipped section covers



Busbar center-to-center spacing	Width	Article No.
185 mm	50 mm	3NJ4912-3AA00
	100 mm	3NJ4912-3BA01
100 mm	50 mm	3NJ4912-3CA00

Adapters for screw fixing on busbar systems



- Adapters for screw fixing on busbar systems with 185 mm busbar center-to-center spacing
- For mounting 2 fuse switch disconnectors

Version	Fuse switch disconnectors	Article No.
Adaptation to sizes 1 ... 3	From 100 mm to 185 mm	3NJ4918-0DA02
	From 185 mm to 185 mm	3NJ5930-3BB
Adaptation to sizes 1 ... 3, with busbar terminal	From 100 mm to 185 mm	3NJ4918-0DB02

Adapters for screw fixing on busbar systems



- For fitting one fuse switch disconnector (= 3 separate brackets)

Version	Article No.
Adaptation of 100 mm to busbar system with 60 mm busbar center-to-center spacing	3NJ4918-0EA00

Fixing screws

- For fitting 3NJ4103 switch disconnectors with integratable current transformers onto adapters

Scope of supply	Article No.
1 set = 3 units	3NJ4918-0DC02

¹⁾ Touch protection only suitable for 3NJ4103-3BF02

²⁾ Touch protection only suitable for 3NJ4101-3BF01 and 3NJ4103-3BF01

3NJ4101	3NJ4103	3NJ412	3NJ413	3NJ414	3NJ415	3NJ416	3NJ417	3NJ418
	■ ¹⁾							
■ ²⁾	■ ²⁾							
■ ²⁾	■ ²⁾							
		■	■	■	■			■
				■	■	■	■	■
	■							
■	■							
■	■	■	■	■	■	■	■	■
		■	■	■				
■	■	■	■	■	■	■	■	■
■	■	■	■	■	■	■	■	■
■	■	■	■	■	■	■	■	■
■	■	■	■	■	■	■	■	■
■	■							
■	■							
■	■							
	■							
	■							

3NJ4 fuse switch disconnectors

Accessories

Busbar supports



- For screwing on the busbars

Version

For 100 and 185 mm busbar center-to-center spacing

Article No.

3NJ5974-0AB

Grounding kit



Version

With connecting cable 25 mm²

Article No.

3NJ4910-1AA00

Busbar terminals



- Not for devices with transformer installation

Version

For each fuse switch disconnector, 3 units are required

For more rapid mounting of the switch disconnectors onto the busbars (1 set = 3 units)

Article No.

3NJ4911-3AA00

3NJ4911-3BA01

Saddle terminals



- 1 set = 3 units

Connection

Cu 1.5 ... 70 mm²

Article No.

3NJ4911-4AA00

Prism terminal assembly kits



- 1 set = 3 units

Connection

Al/Cu 10 ... 70 mm²

Article No.

3NJ4911-1AA00

Box terminal assembly kits



- For connection to version with flat connector
- 1 set = 3 units

Connection

Al/Cu 95 ... 240 mm²

Article No.

3NJ4911-2BQ00

Auxiliary switch mounting kits



- For 3-pole switchable switch disconnectors only

Version

For NH00 ... NH3 with connecting cables

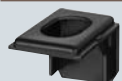
Contacts

1 CO

Article No.

3NJ4913-1AA01

Mounting hook



- 1 per in-line disconnector required

Article No.

3NJ4918-1AA00

Distance compensation



Version

For NH00

For fuse switch disconnectors, with integratable current transformers if no current transformer is built in

Article No.

3NJ4915-1BA00

3NJ4915-2BA00

Terminal strips



Article No.

3NJ4915-1CA00

3NJ4101	3NJ4103	3NJ412	3NJ413	3NJ414	3NJ415	3NJ416	3NJ417	3NJ418
■	■	■	■	■	■	■	■	■
		■	■	■	■	■	■	■
■	■							
		■	■	■				
	■							
■	■							
		■	■	■				
■	■	■	■	■	■	■	■	■
		■	■	■				
	■	■	■	■				
	■							

3NJ4 fuse switch disconnectors

Accessories

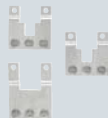
Busbar connection assembly kits for NH1, NH2 and NH3



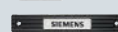
- With flat terminals

Screws	Conductor cross-section	Article No.
M12	2× 240 mm ²	3NJ4911-5AA00
	2× 300 mm ² /3× 120 mm ²	3NJ4911-5BA00
M16	1× 400 mm ²	3NJ4911-5CA00

Busbar connection assembly kits for NH3



Version	Conductor cross-section	Article No.
For NH3 as double in-line disconnectors	3× 300 mm ² /4× 185 mm ²	3NJ4911-6AA00
	4× 240 mm ²	3NJ4911-6BA00

	Mechanical coupling of operating handles	3NJ4911-6CA00
---	--	---------------

Fuses NH3



- Minimum order quantity 3 units

Version	Article No.
For protection of transformers, 630 kVA, 909 A	3NJ4914-8AA00

Isolating blades NH3

Rated current I _e	Article No.
1250 A	3NJ4914-8BA00

Current transformers .../1 A



Rated current I _e	Accuracy class	Rated power P _n	Article No.
100/1 A	0.5	1.5 VA	3NJ4915-1EA10
	1	2.0 VA	3NJ4915-1EA20
150/1 A	0.5	2.5 VA	3NJ4915-1FA10
	0.5 calibrated	2.5 VA	3NJ4915-1FA11
	1	3.0 VA	3NJ4915-1FA20
	1	1.5 VA	3NJ4915-2DA20
100/1 A	0.5	1.5 VA	3NJ4915-2EA10
	1	2.0 VA	3NJ4915-2EA20
150/1 A	1	2.5 VA	3NJ4915-2FA20
250/1 A	0.5	2.5 VA	3NJ4915-2GA10
	0.5 calibrated	2.5 VA	3NJ4915-2GA11
	1	5.0 VA	3NJ4915-2GA20
400/1 A	0.5	2.5 VA	3NJ4915-2HA10
	0.5 calibrated	2.5 VA	3NJ4915-2HA11
	1	5.0 VA	3NJ4915-2HA20
500/1 A	0.5	2.5 VA	3NJ4915-2JA10
	1	5.0 VA	3NJ4915-2JA20
600/1 A	0.5	2.5 VA	3NJ4915-2KA10
	0.5 calibrated	2.5 VA	3NJ4915-2KA11
	1	5.0 VA	3NJ4915-2KA20

[illegible]

3NJ4 fuse switch disconnectors

Accessories

Current transformers .../5 A



Rated current I _e	Accuracy class	Rated power P _n	Article No.
100/5 A	0.5	1.0 VA	3NJ4915-1EB10
	1	1.5 VA	3NJ4915-1EB20
150/5 A	0.5	1.5 VA	3NJ4915-1FB10
	0.5 calibrated	1.5 VA	3NJ4915-1FB11
	1	2.5 VA	3NJ4915-1FB20
75/5 A	1	1.5 VA	3NJ4915-2DB20
100/5 A	0.5	1.0 VA	3NJ4915-2EB10
	1	2.0 VA	3NJ4915-2EB20
150/5 A	0.5	1.5 VA	3NJ4915-2FB10
	1	2.5 VA	3NJ4915-2FB20
250/5 A	0.5	2.5 VA	3NJ4915-2GB10
	0.5 calibrated	2.5 VA	3NJ4915-2GB11
	1	3.75 VA	3NJ4915-2GB20
400/5 A	0.5	2.5 VA	3NJ4915-2HB10
	0.5 calibrated	2.5 VA	3NJ4915-2HB11
	1	5.0 VA	3NJ4915-2HB20
500/5 A	0.5	2.5 VA	3NJ4915-2JB10
	1	5.0 VA	3NJ4915-2JB20
600/5 A	0.5	2.5 VA	3NJ4915-2KB10
	0.5 calibrated	2.5 VA	3NJ4915-2KB11
	1	5.0 VA	3NJ4915-2KB20

[illegible]

5SG76 fuse switch disconnectors

System overview

MINIZED fuse switch disconnectors



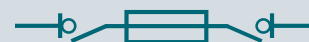


Number of poles		1P	1P+N	2P	3P	3P+N
Size of fuse	Rated current I_n	Mounting width 1 MW	Mounting width 2 MW	Mounting width 2 MW	Mounting width 3 MW	Mounting width 4 MW
MINIZED fuse switch disconnectors						
D01	6 A ¹⁾	5SG7611-0KK06	—	—	5SG7631-0KK06	—
	10 A	5SG7611-0KK10	—	—	5SG7631-0KK10	—
	16 A	5SG7611-0KK16	5SG7651-0KK16	5SG7621-0KK16	5SG7631-0KK16	5SG7661-0KK16

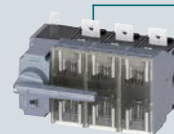
¹⁾ For 2 A, 4 A, 6 A fuses

Switch disconnectors with fuses

Quick selection guide



3KF LV HRC



Size

1 1 1 2 2 3 4 5 5

General technical specifications acc. to IEC 60947-3

Basic data

Rated uninterrupted current I _u		A	32	63	80	125	160	250	400	630	800
For fuse links acc. to IEC 60269-2			000 and 00					0 and 1	1 and 2	2 and 3	
Rated operational voltage U _e	At 50/60 Hz AC	V AC						690			
	At DC - 2 conducting paths in series	V DC						220			
	At DC - 3 conducting paths in series	V DC						440			
	At DC	V DC						—			

Operating and short-circuit behavior

Rated operational current I_e ¹⁾	At AC-21A AC-21B at 400 V	A	32	63	80	125	160	250	400	630	800
	At AC-21A AC-21B at 500 V	A	—	—	—	—	—	—	—	—	—
	At AC-21A AC-21B at 690 V	A	32	63	80	125	160	250	400	630	800
	At AC-22A AC-22B at 400 V	A	32	63	80	125	160	250	400	630	800
	At AC-22A AC-22B at 500 V	A	—	—	—	—	—	—	—	—	—
	At AC-22A AC-22B at 690 V	A	32	63	80	125	160	250	400	630	800
	At AC-23A AC-23B at 400 V	A	32	63	80	125	160	250	400	630	800
	At AC-23A AC-23B at 500 V	A	—	—	—	—	—	—	—	—	—
	At AC-23A AC-23B at 690 V	A	32	63	80	125	160	250	400	630	800
	At DC-21A DC-21B at 48 V	A	—	—	—	—	—	—	—	—	—
	At DC-21A DC-21B at 110 V	A	—	—	—	—	—	—	—	—	—
	At DC-21A DC-21B at 220 V	A	32	63	80	125	160	250	400	630	800
	At DC-21A DC-21B at 400 V	A	—	—	—	—	—	—	—	—	—
	At DC-21A DC-21B at 440 V	A	32	63	80	125	160	250	400	630	800
	At DC-22A DC-22B at 48 V	A	—	—	—	—	—	—	—	—	—
	At DC-22A DC-22B at 110 V	A	—	—	—	—	—	—	—	—	—
	At DC-22A DC-22B at 220 V	A	32	63	80	125	160	250	400	630	800
	At DC-22A DC-22B at 400 V	A	—	—	—	—	—	—	—	—	—
	At DC-22A DC-22B at 440 V	A	32	63	80	125	160	250	400	630	800
	At DC-23A DC-23B at 48 V	A	—	—	—	—	—	—	—	—	—
	At DC-23A DC-23B at 110 V	A	—	—	—	—	—	—	—	—	—
Motor switching capacity ²⁾	At AC-23A at 400 V	kW	15	30	37	55	90	132	220	355	400
	At AC-23A at 500 V	kW	18.5	37	55	75	110	160	280	400	560
	At AC-23A at 690 V	kW	30	55	75	110	132	250	400	630	800
	At 400/500 V AC	kA	100	100	100	100	100	100	100	100	100
Rated conditional short-circuit current with upstream fuse ³⁾	At 690 V AC	kA	100	100	100	100	100	100	100	80	80
	At 400/500 V AC	kA	11.8	11.8	11.8	18	18	33.7	37.1	77.4	77.4
Let-through current I_c of usable fuses, max. ³⁾	At 690 V AC	kA	11.5	11.5	11.5	25.5	25.5	37.7	47	65	65
	At 400/500 V AC	kA ² s	34	34	34	223	223	1500	2150	10400	10400
Let-through current I^2t value of usable fuses, max. ³⁾	At 690 V AC	kA ² s	55	55	55	360	360	940	2600	7000	7000
	Maximum power loss of the usable fuses (per fuse)	W	6.5	7.5	8.5	11	12	25.5	34	48	60

Degree of protection

Maximum IP degree of protection (with a rotary operating mechanism)	IP65	IP65
Maximum IP degree of protection	—	—

¹⁾ Values valid even at +10% line voltage tolerance in case of AC

²⁾ Values are provided as a guide only and may vary depending on the make of motor

³⁾ Valid for combination of 3KF and fuse type 3NA/3ND, characteristic gG/aM

3KF SITOP



3NJ62



5SG7



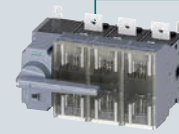
1	1	1	2	2	3	4	5	5	00	00	00	00	1	2	3	3	5SG71.	5SG7230	5SG7234.
32	63	80	125	160	250	400	630	800	-	-	-	-	-	-	-	-	63	63	63
000 and 00				0 and 1	1 and 2	2 and 3	000 and 00				1	1 and 2	2 and 3	D02		D02		D02	
690				500 ... 690				690		230 ... 690		400, 415		400		400		400	
220				230 ... 440				230 ... 440		-		130		110		-		-	
440				-				-		-		-		-		-		-	
-				-				-		-		65		-		-		-	
32	63	80	125	160	250	400	630	800	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	63	80	125	160	250	400	630	800	-	-	-	-	-	-	-	-	-	-	-
32	63	80	125	160	250	400	630	800	-	-	-	-	-	-	-	-	- 63	-	- 63
-	-	-	-	-	-	-	-	-	-	-	-	160	-	-	-	630	- 63	-	- 63
32	63	80	125	160	250	400	630	800	-	-	125	-	250	400	500	-	- 63	-	- 63
32	63	80	125	160	250	400	630	800	-	-	-	-	-	-	-	-	-	63 -	-
-	-	-	-	-	-	-	-	-	-	-	-	160	-	-	-	630	-	-	-
32	63	80	125	160	250	400	630	800	63	100	125	-	250	400	500	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- 63	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- 63	-
32	63	80	125	160	250	400	630	800	-	-	-	-	-	-	-	-	-	- 63	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- 63	-
32	63	80	125	160	250	400	630	800	-	-	-	-	250	400	-	630	-	- 63	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- 63	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- 63	-
32	63	80	125	160	250	400	630	800	-	-	-	-	-	-	-	-	-	- 63	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- 63	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- 63	-
32	63	80	125	160	250	400	630	800	-	-	-	-	-	-	-	-	-	- 63	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- 63	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- 63	-
32	63	80	125	160	250	400	630	800	-	-	-	160	250	400	-	630	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	63	80	125	160	250	400	630	800	-	-	-	-	-	-	-	-	-	-	-
15	30	37	55	90	132	220	355	400	-	-	-	-	-	-	-	-	-	-	-
18.5	37	55	75	110	160	280	400	560	-	-	-	-	-	-	-	-	-	-	-
30	55	75	110	132	250	400	630	800	-	-	-	-	-	-	-	-	-	-	-
100	100	100	100	100	100	100	100	100	-								50/-	50/-	50/-
100	100	100	100	100	100	100	80	80	60 ... 100 kA _{eff}								-	-	-
11.8	11.8	11.8	18	18	33.7	37.1	77.4	77.4	-								-	-	-
11.5	11.5	11.5	25.5	25.5	37.7	47	65	65	-								-	-	-
34	34	34	223	223	1500	2150	10400	10400	-								-	-	-
55	55	55	360	360	940	2600	7000	7000	-								-	-	-
7	8	12	20	26	36	55	68	85	-								5.5	5.5	5.5
IP65									IP41								-	-	-
-									-								IP20	-	-

Switch disconnectors with fuses

Quick selection guide (continued)



3KF LV HRC



Size

1 1 1 2 2 3 4 5 5

General technical specifications acc. to UL

Basic data

Certification according to UL standard

I_n acc. to UL 508

A

U_n acc. to UL 508

Operating and short-circuit behavior

Operational power, three-phase

At 240 V

kA

At 480 V

kA

At 600 V

kA

Short circuit current rating (SCCR)

Fuse type

More information

Catalog LV 10

Technical specifications

[see page 8/116](#)

Configuration in SIMARIS

3KF SITOP



3NJ62



5SG7



1	1	1	2	2	3	4	5	5	00	00	00	00	1	2	3	3	5SG71.	5SG7230	5SG7234.
UL 508									-	-	-	-	-	-	-	-	-	-	-
32	56	56	125	125	500	320	530	530	-	-	-	-	-	-	-	-	-	-	-
600									-	-	-	-	-	-	-	-	-	-	-
10	15	15	25	30	60	100	125	150	-	-	-	-	-	-	-	-	-	-	-
25	30	40	60	75	150	250	300	300	-	-	-	-	-	-	-	-	-	-	-
30	40	40	50	50	1255	250	300	350	-	-	-	-	-	-	-	-	-	-	-
100	100	100	100	100	100	100	100	100	-	-	-	-	-	-	-	-	-	-	-
K-1, RK1, CC, J, T	K-1, RK1, CC, J, T	K-1, RK1, CC, J, T	K-1, RK1, J, T	K-1, RK1, J, T	K-1, RK1, J, T	K-1, RK1, CC, J, T	K-1, RK1, J, T	K-1, RK1, J, T	-	-	-	-	-	-	-	-	-	-	-
see page 8/116									see page 8/132									see page 8/144	
Configuration in SIMARIS									Configuration in SIMARIS									Configuration in SIMARIS	

3KF switch disconnectors with fuses

System overview

Complete assemblies with direct operating mechanisms



Front operating mechanisms, 3-pole



Front operating mechanisms, 4-pole

Basic units



Front operating mechanisms, 3-pole



Front operating mechanisms, 4-pole



Lateral operating mechanisms, 3-pole



Lateral operating mechanisms, 4-pole



3KF SITOP

Additional poles



4th contact elements



N terminals



N/PE terminals



Auxiliary switch modules

Operating mechanisms



Direct operating mechanisms



Door-coupling rotary operating mechanisms



Handles for door-coupling rotary operating mechanisms



Other accessories for door-coupling rotary operating mechanisms



Other accessories and spare parts



Auxiliary switches



Fuse monitoring



Terminal covers



Mounting elements



Fuse covers

Note:

You will find a detailed range of accessories with the basic units.

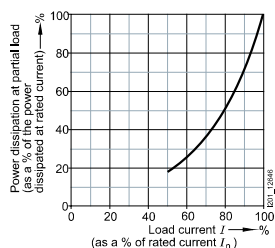
3KF switch disconnectors with fuses

General information



Suitable fuses

You will find further information under:
sie.ag/2UlrAvy



The 3KF switch disconnector with fuses is suitable for all fuses with LV HRC design in sizes 000 to 3 that comply with IEC 60269-2. These include fuses for cable and line protection and motor protection. Fuses for semiconductor protection (Siemens trademark SITOR) can also be used. However, some of these fuses have substantially higher power losses than fuses according to IEC 60269-2. This means that the load current has to be reduced until the value that is permissible in the switch disconnector with fuses is not exceeded. For use of Siemens semiconductor fuses (SITOR), ready-made derating tables are available in the linked document.

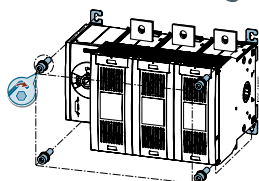


8

Types of mounting

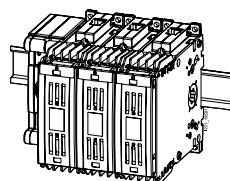
You will find further information under:
sie.ag/2UlrAvy

Floor mounting



All 3KF switch disconnectors with fuses are designed for floor mounting.

Standard mounting rail



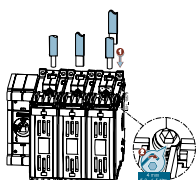
Size 1 can be snapped onto a standard mounting rail (TH35 according to EN 60715) as an alternative mounting method.



Electrical connection

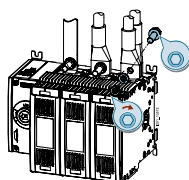
You will find further information under:
sie.ag/2UlrAvy

Box terminals



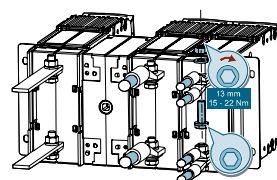
The box terminals for size 1 (32 A ... 80 A) are designed to allow the rapid connection of stripped conductors.

Flat terminals



Sizes 2 ... 5 are available with flat terminals, for the connection of cable lugs or busbar systems.

Flat terminals at rear



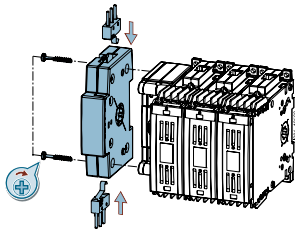
Sizes 1 and 2 (32 A, 63 A and 125 A) are available with rear flat terminals, for the connection of cable lugs or busbar systems.



Auxiliary switch modules and auxiliary switches

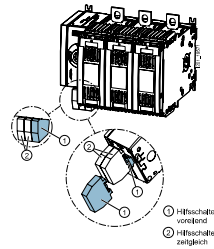
You will find further information under:
sie.ag/2UIrAvy

Size 1



The auxiliary switches used for size 1 are microswitches (changeover contacts), which can be snapped into an auxiliary switch module. This auxiliary switch module is mounted on the side of the switch disconnector with fuses in the same way as an additional pole. A maximum of two microswitches can be installed in each auxiliary switch module.

Sizes 2 ... 5



For sizes 2 ... 5, the auxiliary switches are directly attached to the operating mechanism module. The auxiliary switch with the leading switch function is always installed in the right-hand mounting location. The other locations are provided for simultaneously switching with the main contacts. Auxiliary switches with spring-type terminals from the 3SU1 range can also be used.

8



Differentiation 3KF SITOR and derating tables for SITOR fuses

You will find further information under:
sie.ag/2UIrAvy

Size 1



3KF SITOR is a variation of the proven switch disconnector with 3KF LV HRC fuses and provides optimized heat dissipation and permits the use of fuses with substantially higher power losses. All 3KF SITOR types are approved according to UL508.

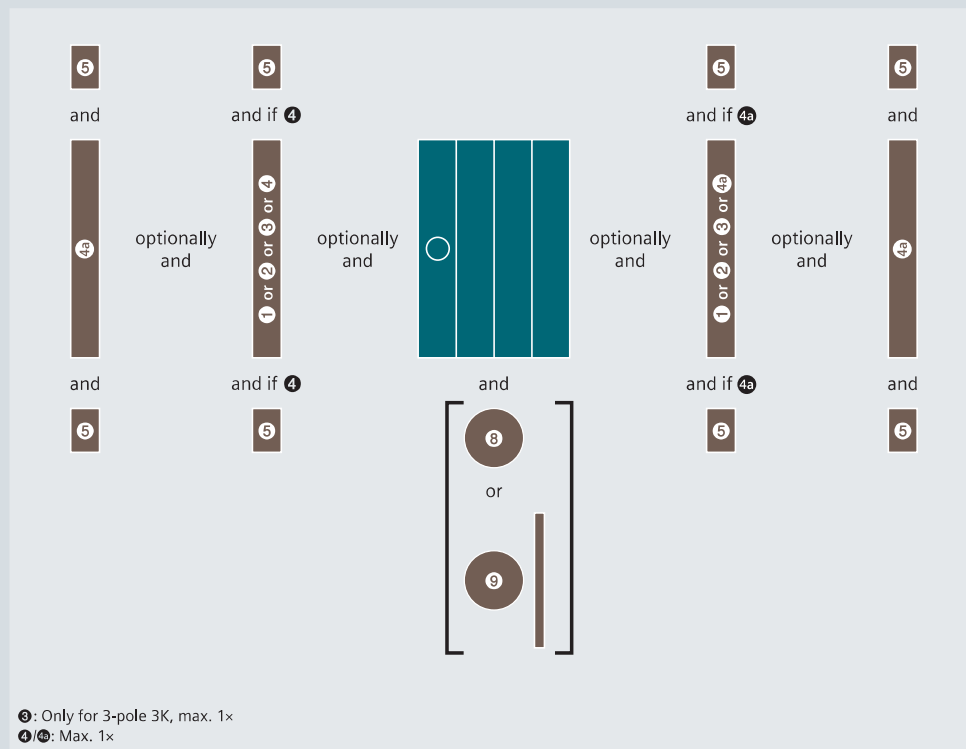
Sizes 2 ... 5

3KF SITOR semiconductor fuse data					Permissible load currents of fuses installed in											
Type	Rated current I _n	Rated voltage U _n	Rated power P _n	Rated breaking capacity I _{cs}	Type 3KF LV HRC					Type 3KF SITOR						
					I _{cs}	I _{cs}	I _{cs}	I _{cs}	I _{cs}	I _{cs}	I _{cs}	I _{cs}	I _{cs}	I _{cs}	I _{cs}	I _{cs}
3KF 1600-1	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-2	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-3	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-4	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-5	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-6	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-7	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-8	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-9	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-10	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-11	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-12	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-13	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-14	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-15	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-16	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-17	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-18	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-19	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-20	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-21	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-22	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-23	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-24	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-25	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-26	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-27	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-28	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-29	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-30	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-31	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-32	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-33	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-34	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-35	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-36	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-37	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-38	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-39	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-40	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-41	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-42	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-43	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-44	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-45	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-46	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-47	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-48	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-49	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-50	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-51	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-52	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-53	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-54	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-55	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-56	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-57	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-58	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-59	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-60	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-61	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-62	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-63	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-64	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-65	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-66	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-67	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-68	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-69	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-70	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-71	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-72	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-73	1600	AC 1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
3KF 1600-74	1600	AC 1000	1000	1000	1000											

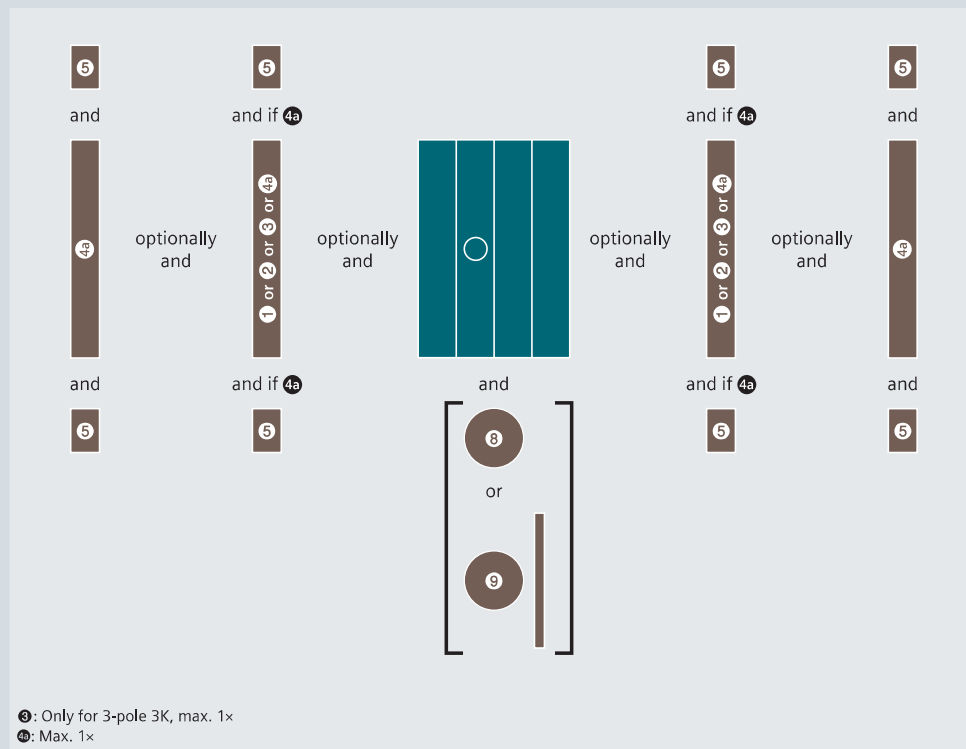
3KF switch disconnectors with fuses

Mounting concept and accessories 3KF

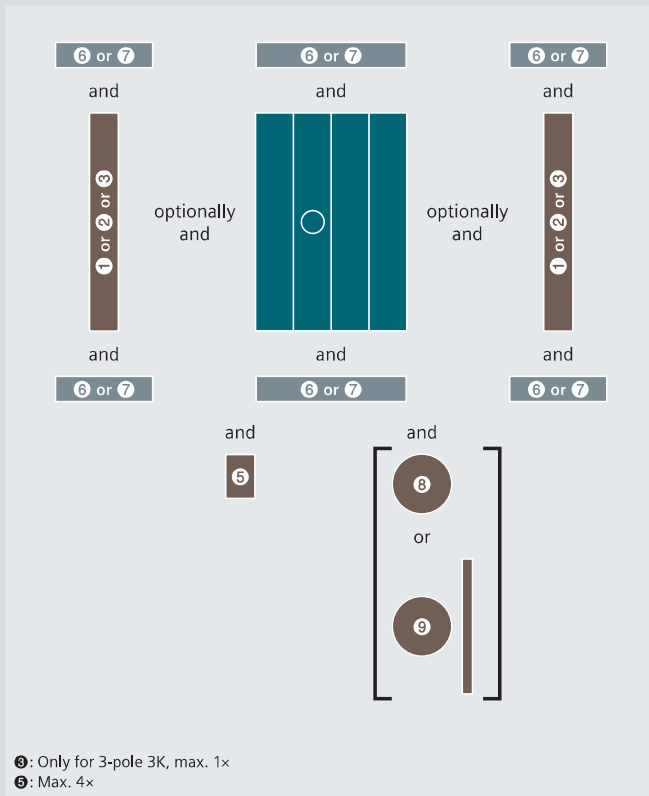
Front operating mechanism left, size 1, 3/4-pole



Front operating mechanism right, size 1, 3/4-pole



Front operating mechanism center or left, sizes 2 to 5, 3/4-pole



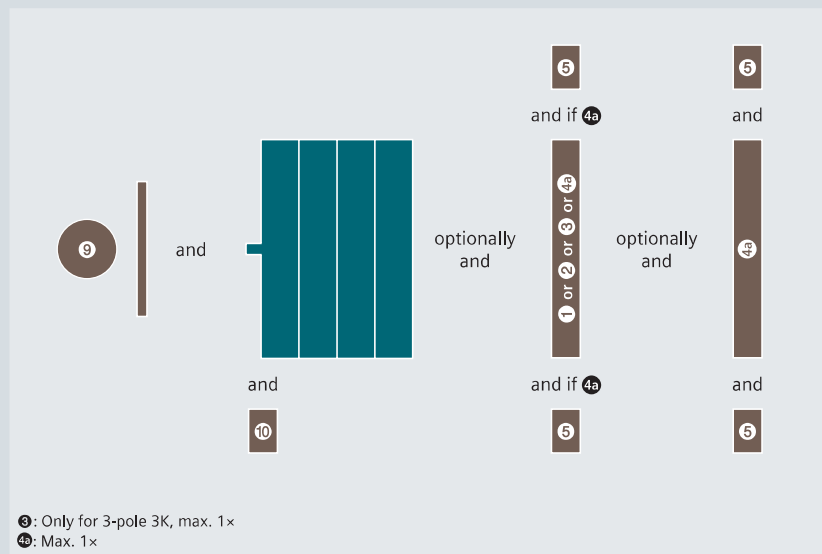
Legend

- ① Neutral conductor terminal
- ② N/PE terminal
- ③ 4th contact element
- ⑤ Auxiliary switch
- ⑥ Phase barrier
- ⑦ Terminal cover
- ⑧ Direct operating mechanism
- ⑨ Door-coupling rotary operating mechanism

3KF switch disconnectors with fuses

Mounting concept and accessories 3KF

Lateral operating mechanism left, size 1, 3/4-pole

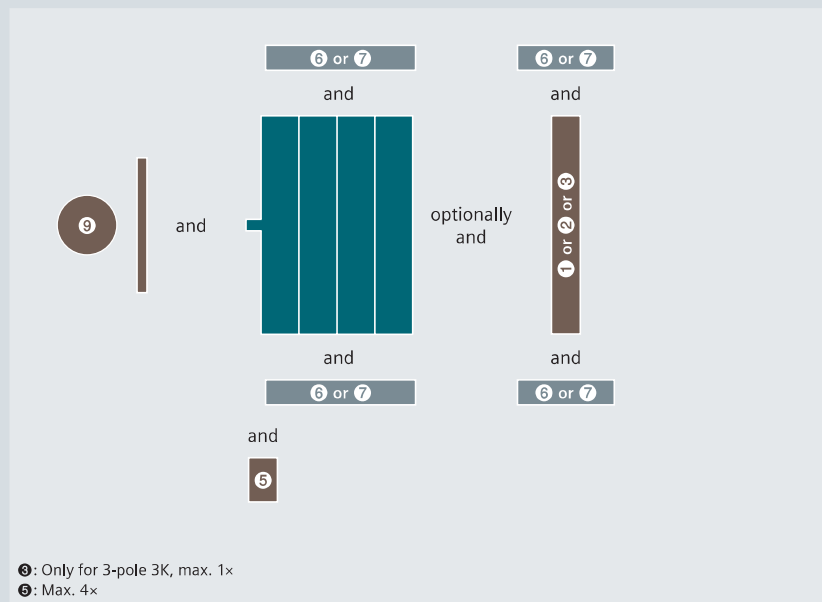


Legend

- ① Neutral conductor terminal
- ② N/PE terminal
- ③ 4th contact element
- ④a Auxiliary switch module for auxiliary switches
- ⑤ Auxiliary switch
- ⑨ Door-coupling rotary operating mechanism
- ⑩ Lateral auxiliary switch module

8

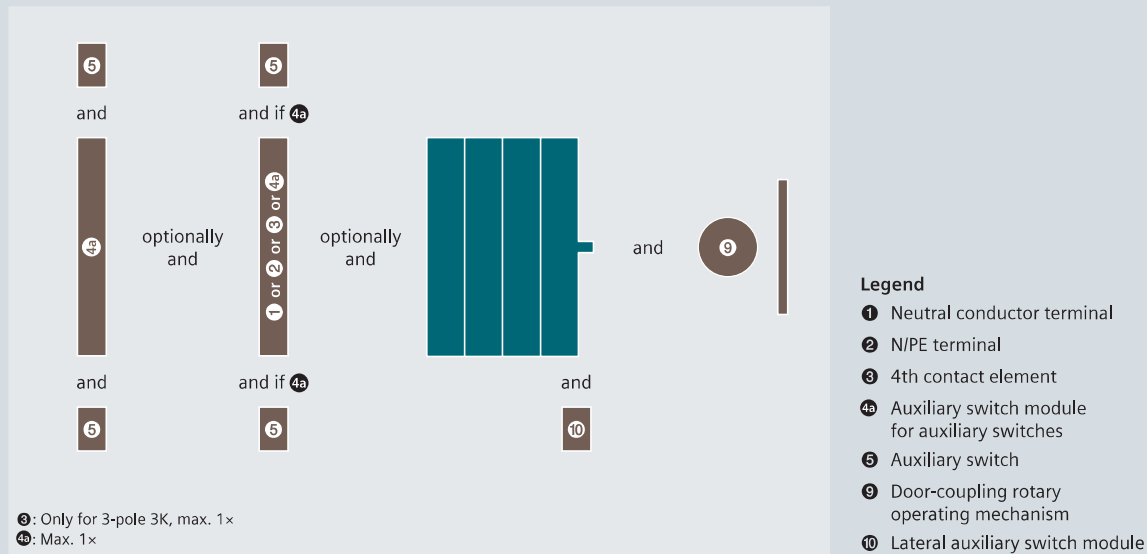
Lateral operating mechanism left, sizes 2 to 5, 3/4-pole



Legend

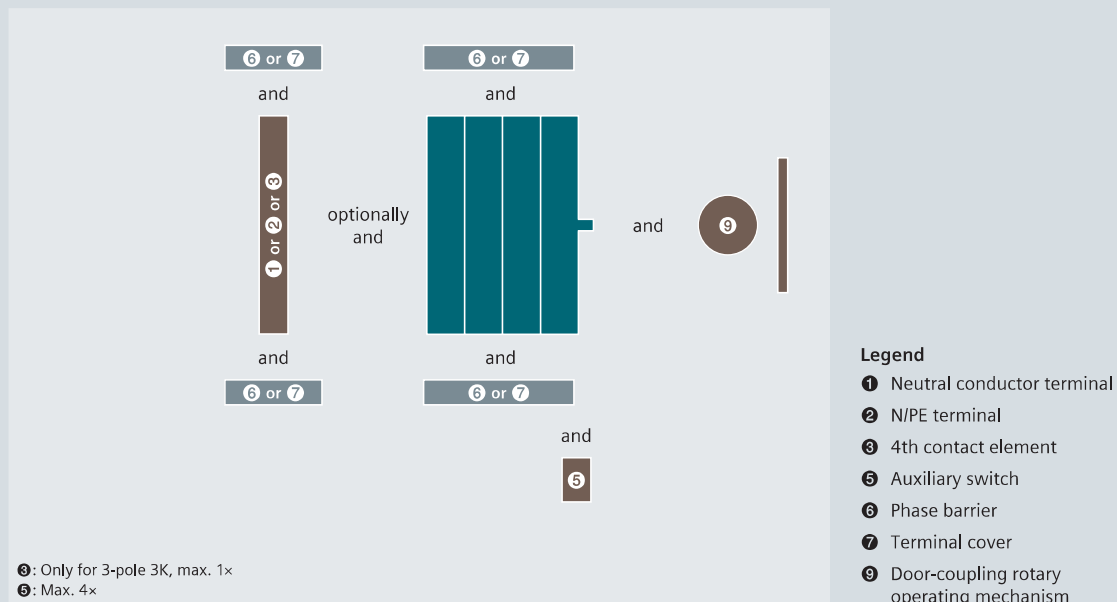
- ① Neutral conductor terminal
- ② N/PE terminal
- ③ 4th contact element
- ⑤ Auxiliary switch
- ⑥ Phase barrier
- ⑦ Terminal cover
- ⑨ Door-coupling rotary operating mechanism

Lateral operating mechanism right, size 1, 3/4-pole



8

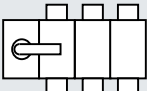
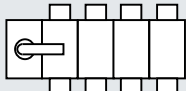
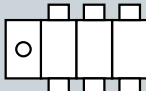
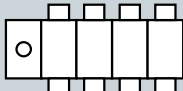
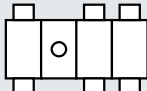
Lateral operating mechanism right, sizes 2 to 5, 3/4-pole



3KF switch disconnectors with fuses

3KF LV HRC switch disconnector



		Complete assemblies with direct operating mechanisms, front operating mechanisms Left		Basic units without handle, front operating mechanisms Left		Front operating mechanism Center
Number of poles		3P	4P	3P	4P	3P
						
Size	Uninterrupted current I _u					
Box terminals						
1	32 A	3KF1303-2LB11	3KF1403-2LB11	3KF1303-0LB11	3KF1403-0LB11	3KF1303-0MB11
	63 A	3KF1306-2LB11	3KF1406-2LB11	3KF1306-0LB11	3KF1406-0LB11	3KF1306-0MB11
	80 A	3KF1308-2LB11	3KF1408-2LB11	3KF1308-0LB11	3KF1408-0LB11	3KF1308-0MB11
Flat terminals at rear						
1	32 A	–	–	–	–	3KF1303-0MR11
	63 A	–	–	–	–	3KF1306-0MR11
2	125 A	–	–	–	–	3KF2312-0MR11
Flat terminals						
2	125 A	3KF2312-2LF11	3KF2412-2LF11	3KF2312-0LF11	3KF2412-0LF11	3KF2312-0MF11
	160 A	3KF2316-2LF11	3KF2416-2LF11	3KF2316-0LF11	3KF2416-0LF11	3KF2316-0MF11
3	250 A	3KF3325-2LF11	3KF3425-2LF11	3KF3325-0LF11	3KF3425-0LF11	3KF3325-0MF11
4	400 A	3KF4340-2LF11	3KF4440-2LF11	3KF4340-0LF11	3KF4440-0LF11	3KF4340-0MF11
5	630 A	3KF5363-2LF11	3KF5463-2LF11	3KF5363-0LF11	3KF5463-0LF11	3KF5363-0MF11
	800 A	3KF5380-2LF11	3KF5480-2LF11	3KF5380-0LF11	3KF5480-0LF11	3KF5380-0MF11

Note:

- NH00 and NH000: For 3KF sizes 1 and 2
- NH1 and NH0: For 3KF size 3
- NH2 and NH1: For 3KF size 4
- NH3 and NH2: For 3KF size 5
- For 3KF with lateral operating mechanism (left or right), only door-coupling rotary operating mechanisms without "Test" can be used.
- The complete assemblies with a direct operating mechanism are not suitable for conversion to door-coupling rotary operating mechanisms; the basic units are to be used for this purpose.



Lateral operating mechanism Left		Lateral operating mechanism Right		
4P	3P	4P	3P	4P
3KF1403-0MB11	3KF1303-4LB11	3KF1403-4LB11	3KF1303-4RB11	3KF1403-4RB11
3KF1406-0MB11	3KF1306-4LB11	3KF1406-4LB11	3KF1306-4RB11	3KF1406-4RB11
3KF1408-0MB11	3KF1308-4LB11	3KF1408-4LB11	3KF1308-4RB11	3KF1408-4RB11
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
3KF2412-0MF11	3KF2312-4LF11	3KF2412-4LF11	3KF2312-4RF11	3KF2412-4RF11
3KF2416-0MF11	3KF2316-4LF11	3KF2416-4LF11	3KF2316-4RF11	3KF2416-4RF11
3KF3425-0MF11	3KF3325-4LF11	3KF3425-4LF11	3KF3325-4RF11	3KF3425-4RF11
3KF4440-0MF11	3KF4340-4LF11	3KF4440-4LF11	3KF4340-4RF11	3KF4440-4RF11
3KF5463-0MF11	3KF5363-4LF11	3KF5463-4LF11	3KF5363-4RF11	3KF5463-4RF11
3KF5480-0MF11	3KF5380-4LF11	3KF5480-4LF11	3KF5380-4RF11	3KF5480-4RF11

3KF switch disconnectors with fuses

3KF SITOR switch disconnectors



	Basic units without handle	
	Front operating mechanism Left	Front operating mechanism Center
Number of poles	3P	3P

Size	Uninterrupted current I _u		
Box terminals			
1	32 A	3KF1303-0LB51	—
	63 A	3KF1306-0LB51	—
	80 A	3KF1308-0LB51	—
Flat terminals			
2	125 A	—	3KF2312-0MF51
	160 A	—	3KF2316-0MF51
3	250 A	—	3KF3325-0MF51
4	400 A	—	3KF4340-0MF51
5	630 A	—	3KF5363-0MF51
	800 A	—	3KF5380-0MF51

Note:




- Use of standard LV HRC fuses gG, gL, aM in 3KF SITOR is possible without restriction

Accessories for 3KF LV HRC and 3KF SITOR switch disconnectors


Additional poles

Note:

- Additional poles (4th contact element, N or N/PE terminal) must always be mounted directly adjacent to the switch disconnector on the left or right. Accordingly, an auxiliary switch module must not be mounted between the basic unit and an additional pole on size 1.
- For installation, it is important to note that only a 3-pole 3KF switch disconnector may be retrofitted with an additional switching pole with contact system (4th contact element).

			Size 1	Size 2	Size 3	Size 4	Size 5
4th contact element (switching pole) for 3KF LV HRC							
	Connection	Article No.					
	Box terminals	3KF9105-2AA00	■				
	Flat terminals at rear	3KF9105-1AA00	■				
		3KF9205-1AA00		■			
	Flat terminals	3KF9205-0AA00		■			
		3KF9305-0AA00			■		
		3KF9405-0AA00				■	
		3KF9505-0AA00					■
4th contact element (switching pole) for 3KF SITOR							
	Connection	Article No.					
	Box terminals	3KF9105-2BA00	■				
	Flat terminals	3KF9205-0BA00		■			
		3KF9305-0BA00			■		
		3KF9405-0BA00				■	
		3KF9505-0BA00					■
Neutral conductor terminals with removable jumper, for 3KF LV HRC and 3KF SITOR							
	Connection	Article No.					
	Box terminals	3KF9106-2AA00	■				
	Flat terminals at rear	3KF9106-1AA00	■				
		3KF9206-1AA00		■			
	Flat terminals	3KF9206-0AA00		■			
		3KF9306-0AA00			■		
		3KF9406-0AA00				■	
		3KF9506-0AA00					■
N/PE terminals with permanent jumper, for 3KF LV HRC and 3KF SITOR							
	Connection	Article No.					
	Box terminals	3KF9106-8AA00	■				
	Flat terminals at rear	3KF9106-6AA00	■				
		3KF9206-6AA00		■			
	Flat terminals	3KF9206-7AA00		■			
		3KF9306-7AA00			■		
		3KF9406-7AA00				■	
		3KF9506-7AA00					■

Operating mechanisms

			Size 1	Size 2	Size 3	Size 4	Size 5
Direct operating mechanisms, for 3KF LV HRC							
	Version	Color					
	Can be locked with up to 3 padlocks	Gray	■				
				■			
					■		
						■	
							■
		Red/yellow	■				
				■			
					■		
						■	
							■

3KF switch disconnectors with fuses

Accessories for 3KF LV HRC and 3KF SITOR switch disconnectors

Operating mechanisms

Size 1 Size 2 Size 3 Size 4 Size 5

Door-coupling rotary operating mechanisms, for 3KF LV HRC and 3KF SITOR



- Scope of supply:
 - Handle with masking plate
 - Coupling driver with tolerance compensation
 - Shaft 300 mm
- Can be locked with up to 3 padlocks






Labeling	Color	Article No.	Size 1	Size 2	Size 3	Size 4	Size 5
Labeling Test–O–I	Gray	8UD1171-2AF21	■				
		8UD1141-2AF21		■			
		8UD1141-3AF21			■		
		8UD1151-3AF21				■	
		8UD1161-4AF21					■
	Red/yellow	8UD1171-2AF25	■				
		8UD1141-2AF25		■			
		8UD1141-3AF25			■		
		8UD1151-3AF25				■	
		8UD1161-4AF25					■

Handles, for 3KF LV HRC and 3KF SITOR

- With masking plate
- Can be locked with up to 3 padlocks


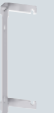
Labeling	Lighting	Color	Article No.	Size 1	Size 2	Size 3	Size 4	Size 5
O–I	Without	Gray	8UD1771-2AD01	■				
			8UD1841-2AD01		■	■		
			8UD1851-3AD01				■	
			8UD1861-4AD01					■
		Red/yellow	8UD1771-2AD05	■				
			8UD1841-2AD05		■	■		
			8UD1851-3AD05				■	
			8UD1861-4AD05					■
	With	Gray	8UD1771-2CD01	■				
			8UD1841-2CD01		■	■		
			8UD1851-3CD01				■	
			8UD1861-4CD01					■
		Red/yellow	8UD1771-2CD05	■				
			8UD1841-2CD05		■	■		
			8UD1851-3CD05				■	
			8UD1861-4CD05					■
Test–O–I	Without	Gray	8UD1771-2AF01	■				
			8UD1841-2AF01		■	■		
			8UD1851-3AF01				■	
			8UD1861-4AF01					■
		Red/yellow	8UD1771-2AF05	■				
			8UD1841-2AF05		■	■		
			8UD1851-3AF05				■	
			8UD1861-4AF05					■
	With	Gray	8UD1771-2CF01	■				
			8UD1841-2CF01		■	■		
			8UD1851-3CF01				■	
			8UD1861-4CF01					■
		Red/yellow	8UD1771-2CF05	■				
			8UD1841-2CF05		■	■		
			8UD1851-3CF05				■	
			8UD1861-4CF05					■

Operating mechanisms

Operating mechanisms		Size 1	Size 2	Size 3	Size 4	Size 5	
Extension shaft, for 3KF LV HRC and 3KF SITOP							
	• A shaft jack is required for the 8UD1 handle when the 600 mm long shaft is used and for sizes 1 and 2						
	Length	Article No.					
	300 mm	8UC6032	■	■			
		8UC6033			■	■	
		8UC6034				■	
	600 mm	8UC6082	■	■			
		8UC6083			■	■	
		8UC6084				■	
Shaft jack for 8UD1 handle, for 3KF LV HRC and 3KF SITOP							
	Version	Article No.					
	For shaft 600 mm	8UD1900-0FA00	■	■			
Coupling drivers, for 3KF LV HRC and 3KF SITOP							
	Version	Article No.					
	With tolerance compensation	8UD1900-2GA00	■				
		8UD1900-6GA00		■			
		8UD1900-3GA00			■	■	
		8UD1900-4GA00				■	
		Without tolerance compensation	8UD1900-2HA00	■			
			8UD1900-6HA00		■		
			8UD1900-3HA00			■	■
		8UD1900-4HA00				■	
Shaft couplings, for 3KF LV HRC and 3KF SITOP							
	Shaft size	Article No.					
	8 × 8 mm	8UC6022	■	■	■		
	10 × 10 mm	8UC6023				■	
	12 × 12 mm	8UC6024				■	

8

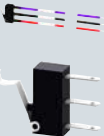
Other accessories and spare parts

			Size 1	Size 2	Size 3	Size 4	Size 5
Auxiliary switch modules, for 3KF LV HRC and 3KF SITOP							
	<ul style="list-style-type: none"> Auxiliary switch modules are supplied without auxiliary switches The 3KF9112-0AB00 mounting bracket is additionally required for mounting the auxiliary switch modules with the rear terminal The 3KD9103-6 and 3KD9103-7 auxiliary switch modules and those with a leading NO contact can only be used with 3KF if they have the operating mechanism on the front or on the left 						
	Variant	Article No.					
	Standard version	3KD9103-5	■	■			
	With test function	3KD9103-6	■	■			
	With leading NO contact and test function	3KD9103-7	■	■			
Mounting brackets for auxiliary switch modules, for 3KF size 1 with rear terminals							
	<ul style="list-style-type: none"> For mounting auxiliary switch modules on 3KF switch disconnectors with rear terminal 						
		Article No.					
		3KF9112-0AB00	■				


3KF switch disconnectors with fuses

Accessories for 3KF LV HRC and 3KF SITOP switch disconnectors

Other accessories and spare parts

				Size 1	Size 2	Size 3	Size 4	Size 5
Auxiliary switches, for 3KF LV HRC and 3KF SITOP								
	<ul style="list-style-type: none"> Auxiliary switches for sizes 2 to 5 have screw terminals and are mounted on the operating mechanism module of the 3KF. Auxiliary switches with spring-type terminals from the 3SU1 range can also be used. All auxiliary switches for sizes 2 to 5 can be used as leading auxiliary switches, depending on the mounting position of the auxiliary switch (see Operating Instructions). 							
	With connecting cables	1 CO	Standard	3KD9103-1	■			
			Solid-state compatible	3KD9103-3	■			
	Without connecting cables	1 CO	Standard	3KD9103-2	■			
			Solid-state compatible	3KD9103-4	■			
		1 NO	Standard	3SU1400-1AA10-1BA0		■	■	■
			Gold-plated	3SU1400-1AA10-1LA0		■	■	■
		1 NC	Standard	3SU1400-1AA10-1CA0		■	■	■
			Gold-plated	3SU1400-1AA10-1MA0		■	■	■
		1 NO + 1 NC	Standard	3SU1400-1AA10-1FA0		■	■	■
			Gold-plated	3SU1400-1AA10-1QA0		■	■	■
		2 NO	Standard	3SU1400-1AA10-1DA0		■	■	■
			Gold-plated	3SU1400-1AA10-1NA0		■	■	■
	2 NC	Standard	3SU1400-1AA10-1EA0		■	■	■	■
			Gold-plated	3SU1400-1AA10-1PA0		■	■	■


Electronic fuse monitoring, for 3KF LV HRC and 3KF SITOP

	Version	Article No.					
	For remote display of tripped fuses	3KF9010-1AA00	■	■	■	■	■


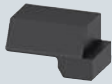
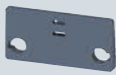





Phase barriers, for 3KF LV HRC and 3KF SITOP

	Version	Scope of supply	Article No.					
	For 3-pole devices	6 units	3KD9308-6		■			
			3KD9408-6			■	■	
			3KD9508-6					■
	For 4-pole devices	8 units	3KD9308-8		■			
			3KD9408-8			■	■	
			3KD9508-8					■

Terminal covers, for 3KF LV HRC

	Version	Scope of supply	Variant	Article No.				
	For 3-pole devices	6 units	Standard length	3KD9304-6		■		
				3KF9304-6			■	
				3KD9404-6				■
				3KD9504-6				■
			Short version	3KD9304-7		■		
				3KF9304-7			■	
				3KD9404-7				■
	For 4-pole devices	8 units	Standard length	3KD9304-8		■		
				3KF9304-8			■	
				3KD9404-8				■
				3KD9504-8				■
			Short version	3KD9304-5		■		
				3KF9304-5			■	
				3KD9404-5				■

Other accessories and spare parts

				Size 1	Size 2	Size 3	Size 4	Size 5
Spare part for terminal covers, for 3KF LV HRC								
	Scope of supply	Variant	Article No.					
	1 unit	Standard length	3KD9504-1					■
		Short version	3KD9304-1		■			
			3KF9304-1			■		
			3KD9404-1				■	
Blocking pin test function, for 3KF LV HRC and 3KF SITOP								
	<ul style="list-style-type: none"> Enables permanent deactivation of the test function for auxiliary switches It is installed in the operating mechanism module of the 3KF switch disconnector 							
	Scope of supply	Article No.						
	10 units	3KF9112-1AA00		■				
		3KF9412-1AA00			■		■	
		3KF9512-1AA00						■
Mounting brackets, for 3KF LV HRC								
	<ul style="list-style-type: none"> The 3KF9112-0AB00 mounting bracket is needed if an auxiliary switch module is mounted on a 3KF1 with rear terminals 							
	Connection	Article No.						
	Box terminals, flat terminals	3KF9112-0AA00		■				
		3KF9212-0AA00			■			
	Flat terminals at rear	3KF9212-0AB00		■	■			
Mounting brackets, for 3KF SITOP								
	Connection	Article No.						
	Box terminals, flat terminals	3KF9112-0AA10		■				
		3KF9212-0AA10			■			
Mounting brackets, for 3KF LV HRC and 3KF SITOP								
	Connection	Article No.						
	Flat terminals	3KF9412-0AA00				■	■	
		3KF9512-0AA00						■
Phase barriers, for 3KF LV HRC and 3KF SITOP								
	Version	Scope of supply	Article No.					
	For mounting on standard mounting rail	5 units	3KF9112-0BA00	■				
Fuse covers, for 3KF LV HRC								
	Connection	Article No.						
	Box terminals, flat terminals	3KF9112-0CA00		■				
		3KF9212-0CA00			■			
		3KF9312-0CA00				■		
		3KF9412-0CA00					■	
		3KF9512-0CA00						■
	Flat terminals at rear	3KF9212-0CB00			■			
				NH000	NH00	NH1	NH2	NH3
LV HRC isolating blades, for 3KF LV HRC and 3KF SITOP								
	Version	Article No.						
	With insulated grip lugs	3NG1002		■	■			
		3NG1202				■		
		3NG1302					■	
		3NG1402						■

3NJ62 switch disconnectors with fuses

System overview

Fuse links



For LV HRC fuses



For BS fuses

Accessories



Connection terminals
and covers



Auxiliary switches



Current transformers



Ammeters



Guide rails

Note:

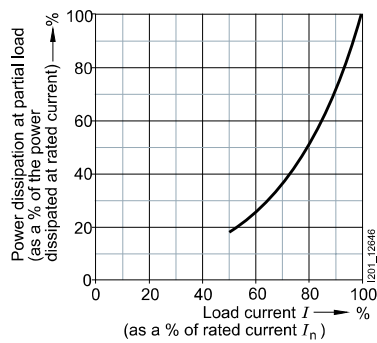
You will find a detailed range of accessories with the basic units.

General information



Suitable fuses

You will find further
information under:
sie.ag/2UIrAvy



The 3NJ62 switch disconnector with fuses is suitable for all fuses with LV HRC design in sizes 000 to 3 that comply with IEC 60269-2, including fuses for cable and line protection and motor protection.

Fuses for semiconductor protection (Siemens trademark SITOP) can also be used. However, some of these fuses have substantially higher power losses than fuses according to IEC 60269-2. This means that the load current has to be reduced until the value that is permissible in the switch disconnector with fuses is not exceeded.

For use of Siemens semiconductor fuses (SITOR), ready-made derating tables are available in the linked document.

3NJ62 switch disconnectors with fuses

Configuration

For a complete and valid configuration of your switch disconnectors with fuses, please use our online configurator at www.siemens.com/lowvoltage/3nj62-configurator

			6	7	8	9	10	11	12	13	14	15	16
			3NJ62		—	A		0		—			
Size and type of fuse	LV HRC fuse	00 160 A	0										
		1 250 A	1										
		2 400 A	2										
	BS 88 fuse	3 630 A	3										
		A3 63 A	4										
		A3 100 A	5										
		00T 160 A	6										
		B2 250 A	7										
		B4 400 A	8										
	3T 630 A	9											
Number of poles	2-pole	2											
	3-pole	3											
	4-pole	4											
Breaking capacity	Standard breaking capacity S	Manually operated	1										
		Motorized operating mechanism	2										
	High breaking capacity H	Manually operated	3										
		Motorized operating mechanism	4										
Electronic fuse monitoring	Without		A										
	AC version	EFM10	B										
	AC version with line monitoring	EFM20	C										
	DC version	EFM25	E										
Auxiliary switches	Without		0										
	1 NC		1										
	1 NO		2										
	1 NO + 1 NC		3										

3NJ62			6	7	8	9	10	11	12	13	14	15	16
					—								
Type of ammeter	Without									0			
	Moving iron									1			
	Bi-metal									2			
Wiring version of the current transformer	Without										A		
	1 current transformer to multi-function plug										B		
	3 current transformers to multi-function plug										C		
	1 current transformer to 1 ammeter										D		
	1 current transformer to 1 ammeter and multi-function plug										E		
	3 current transformers to 1 ammeter and multi-function plug										F		
Current transformer primary current	Without											A	
	50 A											B	
	100 A											D	
	150 A											E	
	200 A											F	
	250 A											G	
	300 A											H	
	400 A											J	
	500 A											K	
	600 A											L	
Current transformer secondary current	Without	Without accuracy class											0
	1 A	Accuracy class 1											1
	1 A	Accuracy class 0.5											2
	1 A	Accuracy class 0.5 calibrated											3
	5 A	Accuracy class 1											4
	5 A	Accuracy class 0.5											5
	5 A	Accuracy class 0.5 calibrated											6

3NJ62 switch disconnectors with fuses

Accessories

Terminals



Variant	Article No.
For 2/3-pole devices	3NJ6923-1BA00
	3NJ6933-1BA00
	3NJ6943-1CA00
For 4-pole devices	3NJ6924-1BA00
	3NJ6934-1BA00
	3NJ6944-1CA00

Terminal covers



Variant	Version	Article No.
For 2/3-pole devices	—	3NJ6923-1DA00
		3NJ6933-1DA01
		3NJ6943-1DA00
	As an internal terminal cover	3NJ6933-1DB00
For 4-pole devices		3NJ6904-1DA00

Contact extensions



Number of poles	Version	Article No.
3-pole	—	3NJ6923-1EB00
		3NJ6933-1EB00
		3NJ6943-1EB00
4-pole	With line monitoring for AC networks	3NJ6924-1EB00
		3NJ6934-1EB00
		3NJ6944-1EB00

Electronic fuse monitoring and line monitoring devices



Variant	Version	Article No.
EFM 10	—	3NJ6920-3FB00
		3NJ6930-3FB00
		3NJ6940-3FB00
EFM 20	With line monitoring for AC networks	3NJ6920-3FC00
		3NJ6930-3FC00
		3NJ6940-3FC00
EFM 25	—	3NJ6920-3FE00
		3NJ6930-3FE00
		3NJ6940-3FE00

Auxiliary switches



Contacts	Version	Article No.
1 NO contact (1 NO)	With cover	3NJ6920-2BB00
		3NJ6930-2BB00
		3NJ6940-2BB00
	Without cover	3NJ6900-2BC00
1 NC contact (1 NC)	With cover	3NJ6920-2CB00
		3NJ6930-2CB00
		3NJ6940-2CB00
	Without cover	3NJ6900-2CC00

[illegible]

3NJ62 switch disconnectors with fuses

Accessories

Current transformers for main devices and contact extensions



Rated current I_e	Class	Apparent power consumption	Feed-through opening diameter	Article No.
50 A/1 A	1	1 VA	Ø 21 mm	3NJ6920-3BB11
50 A/5 A	1	1 VA	Ø 21 mm	3NJ6920-3BB21
100 A/1 A	1	2.5 VA	Ø 21 mm	3NJ6920-3BD11
	0.5	1.5 VA	Ø 21 mm	3NJ6920-3BD12
	0.5 calibrated	1.5 VA	Ø 14 mm	3NJ6920-3BD13
100 A/5 A	1	2.5 VA	Ø 21 mm	3NJ6920-3BD21
	0.5	1.5 VA	Ø 21 mm	3NJ6920-3BD22
	0.5 calibrated	1.5 VA	Ø 14 mm	3NJ6920-3BD23
150 A/1 A	1	2.5 VA	Ø 21 mm	3NJ6920-3BE11
	0.5	1.5 VA	Ø 21 mm	3NJ6920-3BE12
	0.5 calibrated	1.5 VA	Ø 14 mm	3NJ6920-3BE13
150 A/5 A	1	2.5 VA	Ø 21 mm	3NJ6920-3BE21
	0.5	1.5 VA	Ø 21 mm	3NJ6920-3BE22
	0.5 calibrated	1.5 VA	Ø 14 mm	3NJ6920-3BE23
200 A/1 A	1	2.5 VA	Ø 21 mm	3NJ6930-3BF11
	0.5	5 VA	Ø 21 mm	3NJ6930-3BF12
200 A/5 A	1	2.5 VA	Ø 21 mm	3NJ6930-3BF21
	0.5	5 VA	Ø 21 mm	3NJ6930-3BF22
250 A/1 A	1	5 VA	Ø 21 mm	3NJ6930-3BG11
	0.5	5 VA	Ø 21 mm	3NJ6930-3BG12
250 A/5 A	1	2.5 VA	Ø 21 mm	3NJ6930-3BG21
	0.5	2.5 VA	Ø 21 mm	3NJ6930-3BG22
300 A/1 A	1	5 VA	–	3NJ6940-3BH11
	0.5	5 VA	–	3NJ6940-3BH12
	0.5 calibrated	5 VA	–	3NJ6940-3BH13
300 A/5 A	1	5 VA	–	3NJ6940-3BH21
	0.5	5 VA	–	3NJ6940-3BH22
	0.5 calibrated	5 VA	–	3NJ6940-3BH23
400 A/1 A	1	5 VA	–	3NJ6940-3BJ11
	0.5	5 VA	–	3NJ6940-3BJ12
	0.5 calibrated	5 VA	–	3NJ6940-3BJ13
400 A/5 A	1	5 VA	–	3NJ6940-3BJ21
	0.5	5 VA	–	3NJ6940-3BJ22
	0.5 calibrated	5 VA	–	3NJ6940-3BJ23
500 A/1 A	1	5 VA	–	3NJ6940-3BK11
	0.5	5 VA	–	3NJ6940-3BK12
	0.5 calibrated	5 VA	–	3NJ6940-3BK13
500 A/5 A	1	5 VA	–	3NJ6940-3BK21
	0.5	5 VA	–	3NJ6940-3BK22
	0.5 calibrated	5 VA	–	3NJ6940-3BK23
600 A/1 A	1	5 VA	–	3NJ6940-3BL11
	0.5	5 VA	–	3NJ6940-3BL12
	0.5 calibrated	5 VA	–	3NJ6940-3BL13
600 A/5 A	1	5 VA	–	3NJ6940-3BL21
	0.5	5 VA	–	3NJ6940-3BL22
	0.5 calibrated	5 VA	–	3NJ6940-3BL23

8

3NJ62 switch disconnectors with fuses

Accessories

Current transformer busbars



Variant	Version	Article No.
For current transformers with feed-through opening diameter 21 mm	For 1 current transformer	3NJ6920-3DB00
		3NJ6930-3DB00
	For 3 current transformers	3NJ6920-3DC00
		3NJ6930-3DC00
For current transformers with feed-through opening diameter 14 mm	For 4 current transformers	3NJ6920-3DD00
		3NJ6930-3DD00
	For 1 current transformer	3NJ6920-3DE00
	For 3 current transformers	3NJ6920-3DF00
	For 4 current transformers	3NJ6920-3DG00

Holders



Version	Article No.
For ammeters	3NJ6900-4GA00

Ammeters



Variant	Version	Rated current I _e	Article No.
Moving-iron measuring instruments	For measurements on transformer x/1 A with double overload	50 A/1 A	3NJ6900-4HB11
		100 A/1 A	3NJ6900-4HD11
		150 A/1 A	3NJ6900-4HE11
		200 A/1 A	3NJ6900-4HF11
		250 A/1 A	3NJ6900-4HG11
		300 A/1 A	3NJ6900-4HH11
		400 A/1 A	3NJ6900-4HJ11
		500 A/1 A	3NJ6900-4HK11
	For measurements on transformer x/5 A with double overload	600 A/1 A	3NJ6900-4HL11
		50 A/5 A	3NJ6900-4HB21
		100 A/5 A	3NJ6900-4HD21
		150 A/5 A	3NJ6900-4HE21
		200 A/5 A	3NJ6900-4HF21
		250 A/5 A	3NJ6900-4HG21
		300 A/5 A	3NJ6900-4HH21
		400 A/5 A	3NJ6900-4HJ21
Bi-metal measuring instruments	For measurements on transformer x/1 A with 1.2-times overload	500 A/5 A	3NJ6900-4HK21
		600 A/5 A	3NJ6900-4HL21
	For measurements on transformer x/5 A with 1.2-times overload	50 A/1 A	3NJ6900-4HB12
		100 A/1 A	3NJ6900-4HD12
		150 A/1 A	3NJ6900-4HE12
		200 A/1 A	3NJ6900-4HF12
		250 A/1 A	3NJ6900-4HG12
		300 A/1 A	3NJ6900-4HH12
		400 A/1 A	3NJ6900-4HJ12
	For measurements on transformer x/5 A with 1.2-times overload	500 A/1 A	3NJ6900-4HK12
		600 A/1 A	3NJ6900-4HL12
		50 A/5 A	3NJ6900-4HB22
		100 A/5 A	3NJ6900-4HD22
		150 A/5 A	3NJ6900-4HE22
		200 A/5 A	3NJ6900-4HF22
		250 A/5 A	3NJ6900-4HG22
		300 A/5 A	3NJ6900-4HH22
		400 A/5 A	3NJ6900-4HJ22
		500 A/5 A	3NJ6900-4HK22
		600 A/5 A	3NJ6900-4HL22

8

3NJ62 switch disconnectors with fuses

Accessories

Multi-function plugs



Version	Dimensions	Article No.
With fixing screws	6 × 2.5 mm ²	3NJ6920-3EB01
	8 × 2.5 mm ²	3NJ6920-3ED01
		3NJ6940-3EC00
Without fixing screws	8 × 2.5 mm ²	3NJ6940-3ED00
	10 × 1.5 mm ² and 8 × 2.5 mm ²	3NJ6920-3EE01
	12 × 1.5 mm ² and 8 × 2.5 mm ²	3NJ6940-3EF00

Front panels



Purpose	Version	Article No.
3NJ6203-1AA... and 3NJ6203-3AA... with/without EFM	With LV HRC fuse	3NJ6923-4BB00
	With BS 88 fuse	3NJ6923-4BC00
3NJ6213-1AA... and 3NJ6213-3AA... with/without EFM	With LV HRC fuse	3NJ6933-4BB00
	With BS 88 fuse	3NJ6933-4BC00
3NJ6223-1AA... and 3NJ6223-3AA... with/without EFM	With LV HRC fuse	3NJ6943-4BB00
	With BS 88 fuse	3NJ6943-4BC00
3NJ6233-1AA... and 3NJ6233-3AA... with/without EFM	With LV HRC fuse	3NJ6953-4BB00
	With BS 88 fuse	3NJ6953-4BC00

Busbar covers



Article No.
3NJ6916-4EA00

Blanking covers



Article No.
3NJ6900-4CB00

Connection modules



Article No.
3NJ6915-3BA00

Guide rails



Overall depth	Article No.
200 mm	3NJ6900-4FB00
400 mm	3NJ6900-4FC00

LV HRC fuse puller tongs

Version	Article No.
For NH00	XPT:8PT9624
For NH1, NH2, NH3	XPT:8PT9625

Locking devices for padlocks



Article No.
3NJ6900-4LL

8

5SG switch disconnectors with fuses

System overview

MINIZED switch disconnectors with fuses



1P



3P

NEOZED SR60 bus-mounting switch disconnectors



3P



3P, with terminals

Accessories



Auxiliary switches




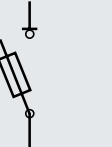
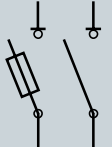
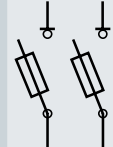
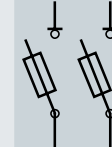
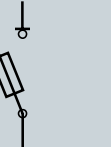
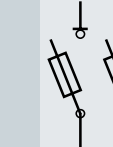
Lateral modules



Reducers

Note:

You will find a detailed range of accessories with the basic units.

							
Number of poles		1P	1P+N	2P	3P	3P+N	3P+N+N
							
Size of fuse	Rated current I_n	Mounting width 1.5 MW	Mounting width 3 MW	Mounting width 3 MW	Mounting width 1.5 MW	Mounting width 4.5 MW	Mounting width 6 MW
MINIZED switch disconnectors with fuses ^{1) 3)}							
D02	63 A	5SG7113	5SG7153	5SG7123	–	5SG7133	5SG7163
MINIZED switch disconnectors with fuses – version for Austria only ^{2) 3)}							
D02	25 A	–	–	–	–	5SG7133-8BA25	–
	35 A	–	–	–	–	5SG7133-8BA35	–
	50 A	–	–	–	–	5SG7133-8BA50	–
NEOZED SR60 bus-mounting switch disconnectors							
D02	63 A	–	–	–	5SG7230 ⁴⁾	–	–
NEOZED SR60 bus-mounting switch disconnectors, without LED signal detector							
D02	63 A	–	–	–	5SG7234-1 ⁴⁾	–	–
NEOZED SR60 bus-mounting switch disconnectors, with LED signal detector							
D02	63 A	–	–	–	5SG7234-2 ⁵⁾	–	–

¹⁾ Using draw-out technology with touch protection according to BGV A3, adapter sleeves not included in the scope of delivery





²⁾ With permanently fitted adapter sleeves, incl. fuse link

³⁾ Do not use fuse links with nickel-plated contact caps

⁴⁾ In the case of permanent load over 35 A, we recommend the use of 5SH5526 lateral modules. Please observe EN 60439-1, Table 1

⁵⁾ In the case of permanent load over 35 A, we recommend the use of 5SH5533 lateral modules. Please observe EN 60439-1, Table 1

Accessories

Auxiliary switches					
	Version	Variant	Mounting width	Contacts	Article No.
	For MINIZED D02 switch disconnectors	Standard	0.5 MW	1 NO + 1 NC	5ST3010
				2 NO	5ST3011
				2 NC	5ST3012
		With test button	0.5 MW	1 NO + 1 NC	5ST3010-2
				2 NO	5ST3011-2
2 NC				5ST3012-2	
	For NEOZED SR60 bus-mounting switch disconnectors	Standard	0.5 MW	1 CO	5SH5525
Lateral modules					
	Version	Variant	Mounting width	Article No.	
	For NEOZED SR60 bus-mounting switch disconnectors	5SG7230	0.5 MW	5SH5526	
		5SG7234-1 and -2	0.5 MW	5SH5533	
Reducers					
	Version				Article No.
	For D01 fuse links				5SH5527

Conditions of sale and delivery

1. General Provisions

By using this catalog you can purchase products (hardware, software and services) described therein from Siemens Aktiengesellschaft subject to the following Terms and Conditions of Sale and Delivery (hereinafter referred to as „T&C“). Please note that the scope, the quality and the conditions for supplies and services, including software products, by any Siemens entity having a registered office outside Germany, shall be subject exclusively to the General Terms and Conditions of the respective Siemens entity. The following T&C apply exclusively for orders placed with Siemens Aktiengesellschaft, Germany.

1.1 For customers with a seat or registered office in Germany

For customers with a seat or registered office in Germany, the following terms and conditions apply subordinate to T&C:

- for products, which include specific terms and conditions in the description text, these specific terms and conditions shall apply and subordinate thereto,
- for installation work the „General Conditions for Erection Works – Germany“¹⁾ („Allgemeine Montagebedingungen – Deutschland“ (currently only available in German)) and/or
- for stand-alone software products and software products forming a part of a product or project, the „General License Conditions for Software Products for Automation and Drives for Customers with a Seat or registered Office in Germany“¹⁾ and/or
- for other supplies and/or services the „General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry“¹⁾. In case such supplies and/or services should contain Open Source Software, the conditions of which shall prevail over the „General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry“¹⁾, a notice will be contained in the scope of delivery in which the applicable conditions for Open Source Software are specified. This shall apply mutatis mutandis for notices referring to other third party software components.

1.2 For customers with a seat or registered office outside Germany

For customers with a seat or registered office outside Germany, the following terms and conditions apply subordinate to T&C:

- for products, which include specific terms and conditions in the description text, these specific terms and conditions shall apply and subordinate thereto,
- for services the „International Terms & Conditions for Services“¹⁾ supplemented by „Software Licensing Conditions“¹⁾ and/or
- for other supplies of hard- and software the „International Terms & Conditions for Products“¹⁾ supplemented by „Software Licensing Conditions“¹⁾

1.3 For customers with master or framework agreement

To the extent our supplies and/or services offered are covered by an existing master or framework agreement, the terms and conditions of that agreement shall apply instead of T&C.

2. Additional Terms and Conditions

The dimensions are in mm. In Germany, according to the German law on units in measuring technology, data in inches apply only to devices for export.

Illustrations are not binding.

Insofar as there are no remarks on the individual pages of this catalog – especially with regard to data, dimensions and weights given – these are subject to change without prior notice.

3. Export Regulations

We shall not be obligated to fulfill any agreement if such fulfillment is prevented by any impediments arising out of national or international foreign trade or customs requirements or any embargoes and/or other sanctions.

Export may be subject to license. We shall indicate in the delivery details whether licenses are required under German, European and US export lists.

Our products are controlled by the U.S. Government (when labeled with „ECCN“ unequal „N“) and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

The export indications can be viewed in advance in the description of the respective goods on the Industry Mall, our online catalog system. Only the export labels „AL“ and „ECCN“ indicated on order confirmations, delivery notes and invoices are authoritative.

Products labeled with „AL“ unequal „N“ are subject to European / national export authorization. Products without label, with label „AL:N“ / „ECCN:N“, or label „AL:9X9999“ / „ECCN: 9X9999“ may require authorization from responsible authorities depending on the final end-use, or the destination.

¹⁾ The text of the Terms and Conditions of Siemens AG can be downloaded at https://mall.industry.siemens.com/legal/ww/en/terms_of_trade_en.pdf

If you transfer goods (hardware and/or software and/or technology as well as corresponding documentation, regardless of the mode of provision) delivered by us or works and services (including all kinds of technical support) performed by us to a third party worldwide, you must comply with all applicable national and international (re-)export control regulations.

If required for the purpose of conducting export control checks, you (upon request by us) shall promptly provide us with all information pertaining to the particular end customer, final disposition and intended use of goods delivered by us respectively works and services provided by us, as well as to any export control restrictions existing in this relation.

The products listed in this catalog may be subject to European/German and/or US export regulations. Any export requiring approval is therefore subject to authorization by the relevant authorities.

Errors excepted and subject to change without prior notice.

Link directory

Catalog LV 10

General information

Information on low-voltage power distribution and electrical installation technology	www.siemens.com/lowvoltage
Tender specifications	www.siemens.com/lowvoltage/tenderspecifications
Conversion tool	www.siemens.com/conversion-tool
Image database	www.siemens.com/lowvoltage/picturedb
CAX download manager	www.siemens.com/lowvoltage/cax
Newsletter system	www.siemens.com/lowvoltage/newsletter
Siemens YouTube channel	www.youtube.com/Siemens
Brochures / catalogs	www.siemens.com/lowvoltage/catalogs
Operating instructions / manuals	www.siemens.com/lowvoltage/manuals
Siemens Industry Online Support	www.siemens.com/lowvoltage/product-support
Siemens Industry Online Support app	www.siemens.com/support-app
My Documentation Manager (MDM)	www.siemens.com/lowvoltage/mdm
Configurators	www.siemens.com/lowvoltage/configurators
Siemens Industry Mall – product catalog and online ordering system	www.siemens.com/industrymall
Direct forwarding to the Industry Mall	www.siemens.com/product?Article No.
Training	www.siemens.com/sitrain-lowvoltage
Local contacts	www.siemens.com/lowvoltage/contact
Technical Support	www.siemens.com/lowvoltage/support-request
Information on services	www.siemens.com/service-catalog
Manual for the generation, transmission and distribution of electrical energy	www.siemens.com/power-engineering-guide
Control panels for the North American market	www.siemens.com/northamerican-standards
Control panel building	www.siemens.com/controlpanel
Energy savings and amortization	www.automation.siemens.com/sinasave
Energy Suite	www.siemens.com/energysuite
SITOP power supplies	www.siemens.com/sitop
Power distribution with Totally Integrated Power	www.siemens.com/tip

Catalogs and further information



LV 10 **Low-Voltage Power Distribution and** **Electrical Installation Technology** SENTRON • SIVACON • ALPHA

Protection, Switching, Measuring and
Monitoring Devices, Switchboards and
Distribution Systems

PDF (E86060-K8280-A101-B1-7600)
Print (E86060-K8280-A101-A6-7600)



LV 14 **Power Monitoring Made Simple** SENTRON

PDF/Print (E86060-K1814-A101-A6-7600)



LV 18 **Air Circuit Breakers and Molded Case** **Circuit Breakers with UL Certification** SENTRON

PDF (E86060-K8280-E347-A4-7600)



ET D1 **Switches and Socket Outlets** DELTA

PDF



IC 10 **Industrial Controls** SIRIUS

PDF/Print (E86060-K1010-A101-B1-7600)



Industry Mall Information and Ordering Platform on the Internet:

www.siemens.com/industrymall



Siemens TIA Selection Tool for the selection, configuration and ordering of TIA products and devices www.siemens.com/tst



Training for Industry SITRAIN

www.siemens.com/sitrain

The catalogs listed above and additional catalogs are
available in PDF format at Siemens Industry Online Support
www.siemens.com/lowvoltage/catalogs

Further information on low-voltage power distribution
and electrical installation technology is available on the
Internet at
www.siemens.com/lowvoltage

Get more information

www.siemens.com/lowvoltage

Published by
Siemens AG

For the U.S. published by
Siemens Industry Inc.

Smart Infrastructure
Low Voltage Products
Siemensstraße 10
93055 Regensburg, Germany

100 Technology Drive
Alpharetta, GA 30005
United States

PDF (Extract from E86060-K8280-A101-B1-7600)
KG 0520 150 En
Produced in Germany
© Siemens 2020

Subject to changes and errors. The information given in this catalog only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

All product designations may be trademarks or other rights of Siemens AG, its affiliated companies or other companies whose use by third parties for their own purposes could violate the rights of the respective owner.

Security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, systems, machines and networks.

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions constitute one element of such a concept.

Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the Internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place.

For additional information on industrial security measures that may be implemented, please visit
<https://www.siemens.com/industrialsecurity>

Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats.

To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under
<https://www.siemens.com/industrialsecurity>