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  - Transfer switching equipment and load transfer switches **(109769745)**
  - 8US busbar systems **(109769746)**
- System Manual
  - SENTRON 3NJ62 in-line plug-in switch disconnectors with fuses **(31753460)**
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- Equipment Manual
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Quick selection guide

Load switching devices for all applications

Fuseless switch disconnectors [3]



Functional switching [1]

						
	Type	3LD3	3LD2	3LD5 UL	3KD	3VA
	Uninterrupted current I_u	16 ... 63 A	16 ... 250 A	30 ... 160 A	16 ... 2000 A	63 ... 630 A
	Short-circuit current max.	10 kA	50 kA	50 kA	100 kA	110 kA [5]
Selection acc. to utilization category	**AC max.**	AC-3	AC-3	AC-3	AC-23A	AC-23A
	DC max.	–	DC-22A	–	DC-23A	DC-23A (up to 250 A)
	Suitable fuses	–	–	–	–	–
Types of mounting	**Floor mounting**	■	■	■	■	■
	Mounting on a DIN rail	■	■ (up to 125 A)	■ (up to 63 A)	■ (up to 250 A)	■ (up to 160 A)
	Front mounting	■	■	■	–	–
	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	–	–	–	–	–

Further information From page 8/6 From page 2/1

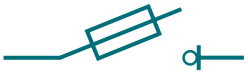
[1] According to DIN VDE 0100-200, functional switching is an operation intended to switch on or off or vary the supply of electric energy to an electrical installation or parts of it for normal operating purposes.

[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

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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 NH	IEC NH	IEC NH	NEOZED
■	■	–	–
■	–	–	■
–	–	–	–
40/60 mm	40/60 mm	60/100/185 mm	–
–	–	–	–
■	■	■	■
–	–	–	–
–	–	–	–
■	–	–	■
■	–	–	■
■	■	■	■
■	–	–	■
–	–	–	–
■	■	■	■
–	–	■	–

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Switch disconnectors with fuse [4]



Functional switching [1]



Occasional switching [2]



3KF NH	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 NH	IEC LV HRC, optimized for semiconductor protection	IEC NH	NEOZED
■	■	–	–
■	■	–	–
–	–	–	–
–	–	185 mm	60 mm
–	–	■	–
■	■	■	■
■	■	–	–
–	–	■	–
–	–	–	■
–	–	■	■
■	■	■	■
■	■	■	■
–	–	–	–
■	■	■	■
–	–	–	–

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

[5] With a line-side fuse for 415 V

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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 | at 400 V	kW	5.5	7.5	9.5	11.5	18.5	5.5	7.5	9.5
	At AC-3 | at 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	10	10	10	10	10	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/UL60947-4-1 | UL489		A	16 | –	25 | –	32 | –	40 | –	63 | –	16 | –	25 | –	32 | –
U_e acc. to UL 508/UL60947-4-1 | UL489		V AC			600 | –				600 | –	
Operating and short-circuit behavior										
Operational power, 3-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	
Further information										
					See page 8/12				See page 8/24	

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3LD2





3LD5 UL



3LD25	3LD27	3LD28	3LD23	3LD24	3LD50	3LD52	3LD54	3LD56	3LD58
63	100	125	160	250	32	63	100	125	160
		690					690		
		–					–		
		–					–		
		–					–		
–	–	–	–	–	–	–	–	–	–
63	100	125	160	250	32	63	100	125	160
63	100	125	160	250	32	63	100	125	160
63	100	125	140	230	32	63	100	125	160
63	100	125	140	230	32	63	100	125	160
–	–	–	–	–	–	–	–	–	–
43	70	80	132	224	32	63	100	125	160
22	34	39	47	58	22	39	39	47	58
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–
22	37	45	75	132	15	30	45	55	75
18.5	30	37	45	55	18.5	37	37	45	55
18.5	30	37	50	110	15	30	45	55	75
15	22	30	37	45	–	–	30	37	45
1.26	2	2	4	4	1.26	2	4	4	4
–	–	–	–	–	–	–	–	–	–
50	50	25	50	50	50	50	50	50	50
50	50	25	50	50	50	50	50	50	30
		IP65					IP65		
		UL 508					UL60947-4-1/UL489		
63|–	100|–	125|–	160|–	250|–	30|30	60|60	100|100	125|125	150|150
		600|–					480|480		
40	60	75	75	100	20	30	60	75	100
50	75	100	50	75	–	–	–	–	–
5|5	10|10	10|10	10|10	10|10	50|–	65|–	65|–	65|–	50|–
		RK5			J|CC	J	J	J	J
		See page 8/24					See page 8/56		

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Fuseless switch disconnectors

Quick selection guide for AC and AC/DC applications



3KD



Type			3KD 01..–.K	3KD 02..–.K	3KD 03..–.K	3KD 03..–.L	3KD 04..–.L	3KD 05..–.L	3KD 06..–.L	3KD 16	3KD 22	3KD 26	3KD 28..–M.
General technical specifications acc. to IEC 60947-3													
General technical specifications													
Rated uninterrupted current I_u		A	16	32	63	63	80	100	125	16	32	63	80
Rated operational voltage U_e	At 50/60 Hz AC	V	690	690	415	690	690	690	690	1000	1000	1000	1000
	At DC – 2 conducting paths in series	V	–	–	–	–	–	–	–	220	220	220	220
	At DC – 3 conducting paths in series	V	–	–	–	–	–	–	–	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
	At AC-21A | AC-21B at 400 V	A	16	32	63	63	80	100	125	16	32	63	80
	At AC-21A | AC-21B at 690 V	A	16	32	–	63	80	100	125	16	32	63	80
	At AC-22A | AC-22B at 400 V	A	16	32	63	63	80	100	125	16	32	63	80
	At AC-22A | AC-22B at 690 V	A	16	32	–	63	80	100	125	16	32	63	80
	At AC-22A | AC-22B at 1000 V	A	–	–	–	–	–	–	–	16	32	63	80
	At AC-23A | AC-23B at 400 V	A	16	32	63	63	75	80	90	16	32	63	80
	At AC-23A | AC-23B at 690 V	A	14	17	–	22	30	35	39	16	32	63	80
	At DC-20A | DC-20B at 1000 V	A	–	–	–	–	–	–	–	16	32	63	80
	At DC-21A | DC-21B at 110 V	A	–	–	–	–	–	–	–	16	32	63	80
	At DC-21A | DC-21B at 220 V	A	–	–	–	–	–	–	–	16	32	63	80
	At DC-21A | DC-21B at 440 V	A	–	–	–	–	–	–	–	16	32	63	80
	At DC-22A | DC-22B at 220 V	A	–	–	–	–	–	–	–	16	32	63	80
	At DC-22A | DC-22B at 440 V	A	–	–	–	–	–	–	–	16	32	63	80
	At DC-23A | DC-23B at 220 V	A	–	–	–	–	–	–	–	16	32	63	80
	At DC-23A | DC-23B at 440 V	A	–	–	–	–	–	–	–	16	32	63	80
Motor switching capacity	At AC-23A | AC-23B at 400 V	kW	7.5	15	30	30	37	45	45	7.5	15	30	45
	At AC-23A | AC-23B at 690 V	kW	11	15	–	18.5	22	30	30	11	30	55	75
	At AC-3 | at 400 V	kW	–	–	–	–	–	–	–	–	–	–	–
	At AC-3 | at 690 V	kW	–	–	–	–	–	–	–	–	–	–	–
Rated short-time withstand current I_{cw}	At 690 V AC (t=1 s)	kA	1.26	1.26	1.26 [1]	2.5	2.5	2.5	2.5	3	3	3	3
	At 1000 V AC (t=1 s)	kA	–	–	–	–	–	–	–	3	3	3	3
Rated conditional short-circuit current with upstream fuse	At 400/415 V AC	kA	50	50	50	50	50	50	50	100	100	100	100
	At 690 V AC	kA	50	50	–	50	50	50	20	100	100	100	100
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/UL60947-4-1 | UL489		A	–										
U_e acc. to UL 508/UL60947-4-1 | UL489		AC V	–										
Operating and short-circuit behavior													
Operational power, 3-phase	At 480 V	hp	–										
	At 600 V	hp	–										
Short circuit current rating (SCCR)	At 480 V | at 600 V	kA	–										
Fuse type			–										
Further information													
			See page 8/66										

[1] Applies to 415 V AC

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3KD



3KD 28..–N	3KD 30..–M.	3KD 30..–N.	3KD 32	3KD 34	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
80	100	100	125	160	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	1000	1000	1000	1000	1000
220	220	220	220	220	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	440	440	440	440	440
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
80	100	100	125	160	200	200	250	250	315	400	500	500	630	800	1000	1000	1250	1600	2000
80	100	100	125	160	200	200	250	250	315	400	500	500	630	800	1000	1000	1250	1600	2000
80	100	100	125	160	200	200	200	250	315	400	400	500	630	800	1000	1000	1250	1600	2000
80	100	100	125	160	200	200	250	250	315	400	500	500	630	800	1000	1000	1250	1600	2000
80	100	100	125	160	160	200	200	250	315	400	400	500	630	800	1000	1000	1250	1600	2000
80	80	100	125	160	160	200	200	250	315	400	400	500	630	800	800	1000	1250	1600	1600
80	80	100	125	160	160	200	160	250	315	400	400	500	630	800	1000	1000	1250	1600	2000
80	80	100	125	160	160	200	160	250	315	400	400	500	630	800	1000	1000	1250	1600	2000
80	100	100	125	160	200	200	250	250	315	400	500	500	630	800	1000	1000	1250	1600	2000
80	80	100	125	160	160	200	160	250	315	400	400	500	630	800	800	1000	1250	1600	1600
80	80	100	125	160	160	200	160	250	315	400	400	500	630	800	800	1000	1250	1600	1600
80	80	100	125	160	160	200	160	250	315	400	400	500	630	800	800	1000	1250	1600	1600
80	80	100	125	160	160	200	160	250	315	400	400	500	630	800	800	–	–	–	–
80	80	100	125	160	160	200	160	250	315	400	400	500	630	800	800	–	–	–	–
80	80	100	125	160	160	200	160	250	315	400	400	500	630	800	800	–	–	–	–
80	80	100	125	160	160	200	160	250	315	400	400	500	630	800	800	–	–	–	–
45	45	55	55	90	90	110	90	132	160	200	200	250	355	400	560	560	710	900	1000
75	75	90	110	110	110	185	110	250	315	315	315	500	630	800	1000	1000	1000	1000	1000
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4	3	4	4	4	4	13	4	13	13	13	13	30	30	30	30	55	55	55	55
4	3	4	4	4	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	100	100	100	100	100	80	80	80
80	100	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	100	100	65
IP65																			
–																			
–																			
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Fuseless switch disconnectors

Quick selection guide for DC applications



3KD



Type			3KD 16	3KD 22	3KD 26	3KD 28	3KD 30	3KD 32	3KD 34	3KD 36	3KD 38
General technical specifications acc. to IEC 60947-3											
General technical specifications											
Rated uninterrupted current I_u		A	16	32	63	80	100	125	160	200	250
Rated operational voltage U_e	At DC - at degree of pollution 2	V	1200	1200	1200	1200	1200	1200	1200	1200	1200
	At DC - at degree of pollution 3	V	1000	1000	1000	1000[1)]	1000[1)]	1000[1)]	1000[1)]	1200	1200
Operating and short-circuit behavior											
Rated operational current I_e	At DC-21A at 1200 V	A	16	32	63	80	100	125	160	–	–
	At DC-21B at 1200 V	A	16	32	63	80	100	125	160	200	250
Rated short-time withstand current I_{cw}	At DC 1200 V (t = 1 s)	kA	3	3	3	4	4	4	4	10	10
Degree of protection											
Maximum achievable IP degree of protection (with a rotary operating mechanism)			IP20								
General technical specifications acc. to UL											
General technical specifications											
Certification according to UL standard			–								
I_n acc. to UL 508/UL60947-4-1 | UL489		A	–								
U_e acc. to UL 508/UL60947-4-1 | UL489		AC V	–								
Operating and short-circuit behavior											
Operational power, 3-phase	At 480 V	hp	–								
	At 600 V	hp	–								
Short circuit current rating (SCCR)	At 480 V | at 600 V	kA	–								
Fuse type			–								
Further information											
			See page 8/66								

[1)] Valid for version with box terminal, version with flat terminal max. 1200 V

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3KD



3KD 40	3KD 42	3KD 44	3KD 46	3KD 48	3KD 50	3KD 52	3KD 54
315	400	500	630	800	1000	1250	1600
1200	1200	1200	1200	1200	1200	1200	1200
1200	1200	1000	1000	1000	1200	1200	1200
–	–	–	–	–	–	–	–
315	400	500	630	800	800	1250	1600
10	10	20	20	20	20	20	20
IP20							
–							
–							
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–							

See page 8/66

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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 and basic switches without knob-operated mechanism


3P knob-operated mechanisms (installation in distribution boards)


3P basic switches without knob-operated mechanism


3P+N knob-operated mechanisms (installation in distribution boards)


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


Door-coupling rotary operating mechanisms


Door-coupling knob-operated mechanisms


Door-coupling knob-operated mechanisms, defeatable

Further accessories



Terminal covers, 1 and 3-pole

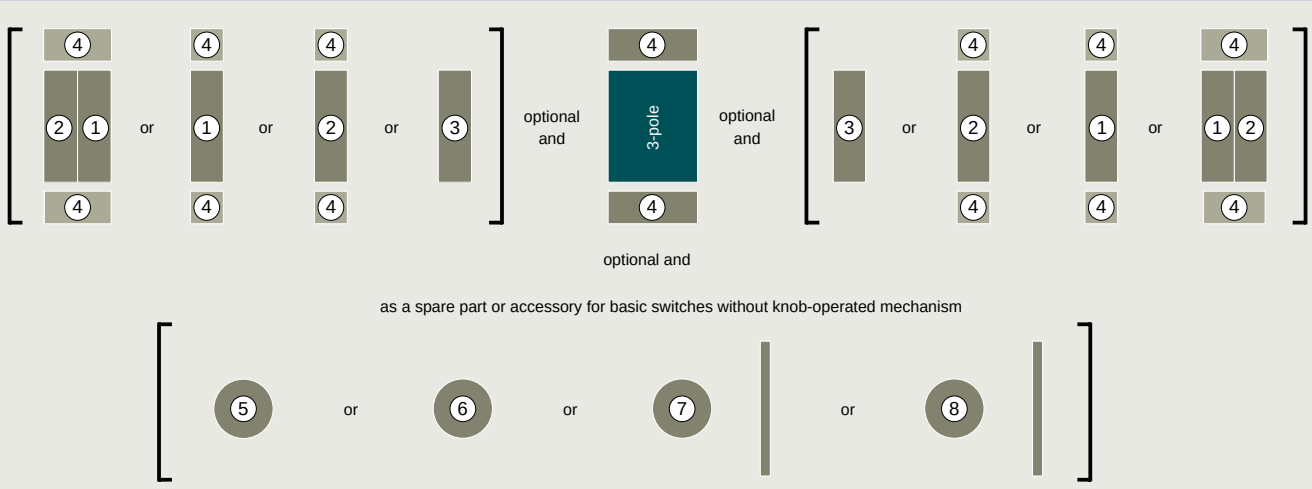



Inscription labels

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

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Mounting concept and accessories



Legend

1. N switching contact [1)]
2. N/PE terminal
3. Auxiliary switch
4. Terminal cover
5. Rotary operating mechanism, center-hole mounting
6. Knob-operated mechanism, center-hole mounting
7. Door-coupling rotary operating mechanism, center-hole mounting
8. Door-coupling knob-operated mechanism, center-hole mounting

[1)] N switching contact (1) must first be installed on the basic unit

I201_20482

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Mounting types

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

Front mounting



The switches for front mounting are mounted on the inside of covers, side panels or, if applicable, control cabinet doors (depending on the applicable standard and switching function). The switches are mounted via the 22.5 mm diameter center hole.

Floor mounting



The switches for floor mounting are snapped onto 35 mm DIN 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 the 0 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 shackle thickness of 4 to 6 mm.

Basic switches without knob-operated mechanism



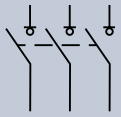
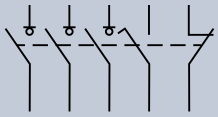
For the basic switch variant without knob-operated mechanism, the appropriate door-coupling rotary operating mechanism can be ordered separately.

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3LD switch disconnectors

3LD3 main control and EMERGENCY-STOP switches, front mounting, 10 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

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Accessories

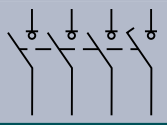
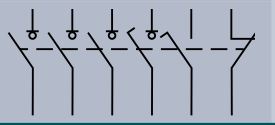
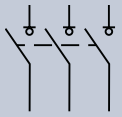
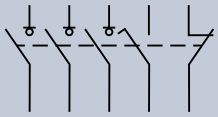
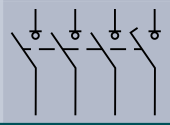
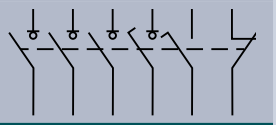
				3LD30 (16 A)	3LD31 (25 A)	3LD32 (32 A)	3LD33 (40 A)	3LD34 (63 A)
Additional poles								
	Type	Contacts	Article No.					
	N switching contact (4th contact element)	Leading switch-on, lagging switch-off	3LD9340-0B	■	■	■	■	■
	N terminal	Through-type	3LD9340-2B	■	■	■	■	■
	PE terminal	Through-type	3LD9340-3B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

Quick selection guide, page 8/6

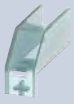
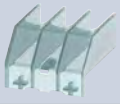
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Operating mechanisms, red/yellow					
3P+N		3P		3P+N	
					
Without auxiliary switch	**1 NO + 1 NC**	**Without auxiliary switch**	**1 NO + 1 NC**	**Without auxiliary switch**	**1 NO + 1 NC**
3LD3054-0TL51	3LD3054-1TL51	3LD3054-0TK53	3LD3054-1TK53	3LD3054-0TL53	3LD3054-1TL53
3LD3154-0TL51	3LD3154-1TL51	3LD3154-0TK53	3LD3154-1TK53	3LD3154-0TL53	3LD3154-1TL53
3LD3254-0TL51	3LD3254-1TL51	3LD3254-0TK53	3LD3254-1TK53	3LD3254-0TL53	3LD3254-1TL53
3LD3354-0TL51	3LD3354-1TL51	3LD3354-0TK53	3LD3354-1TK53	3LD3354-0TL53	3LD3354-1TL53
3LD3454-0TL51	3LD3454-1TL51	3LD3454-0TK53	3LD3454-1TK53	3LD3454-0TL53	3LD3454-1TL53
3LD3050-0TL11	3LD3050-1TL11	3LD3050-0TK13	3LD3050-1TK13	3LD3050-0TL13	3LD3050-1TL13
3LD3150-0TL11	3LD3150-1TL11	3LD3150-0TK13	3LD3150-1TK13	3LD3150-0TL13	3LD3150-1TL13
3LD3250-0TL11	3LD3250-1TL11	3LD3250-0TK13	3LD3250-1TK13	3LD3250-0TL13	3LD3250-1TL13
3LD3350-0TL11	3LD3350-1TL11	3LD3350-0TK13	3LD3350-1TK13	3LD3350-0TL13	3LD3350-1TL13
3LD3450-0TL11	3LD3450-1TL11	3LD3450-0TK13	3LD3450-1TK13	3LD3450-0TL13	3LD3450-1TL13

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			3LD30 (16 A)	3LD31 (25 A)	3LD32 (32 A)	3LD33 (40 A)	3LD34 (63 A)
Terminal covers							
	• Pack of 4 units						
	Version	**Article No.**					
	For N switching contacts, N terminals or PE terminals	3LD9341-2A	■	■	■	■	■
	For 3-pole 3LD3 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	■	■	■	■	■

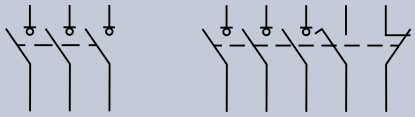
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3LD switch disconnectors

3LD3 main control and EMERGENCY-STOP switches, floor mounting, 10 kA_{rms}





Number of poles	Operating mechanisms, black	
	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
Door-coupling rotary operating mechanisms, center-hole mounting Ø 22.5 mm				
16 A	7.5 kW	5.5 kW	3LD3048-0TK51	3LD3048-1TK51
25 A	9 kW	7.5 kW	3LD3148-0TK51	3LD3148-1TK51
32 A	11.5 kW	9.5 kW	3LD3248-0TK51	3LD3248-1TK51
40 A	18.5 kW	11.5 kW	3LD3348-0TK51	3LD3348-1TK51
63 A	22 kW	18.5 kW	3LD3448-0TK51	3LD3448-1TK51
Door-coupling knob-operated mechanisms, center-hole mounting Ø 22.5 mm				
16 A	7.5 kW	5.5 kW	3LD3040-0TK11	3LD3040-1TK11
25 A	9 kW	7.5 kW	3LD3140-0TK11	3LD3140-1TK11
32 A	11.5 kW	9.5 kW	3LD3240-0TK11	3LD3240-1TK11
40 A	18.5 kW	11.5 kW	3LD3340-0TK11	3LD3340-1TK11
63 A	22 kW	18.5 kW	3LD3440-0TK11	3LD3440-1TK11

Scope of supply:
- Including terminal covers for the infeed side

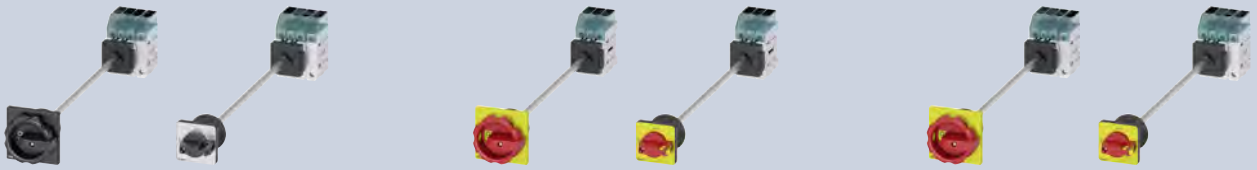
Mounting:
- Using screws- or snap-on mounting on 35 mm mounting rails

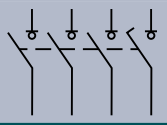
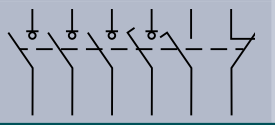
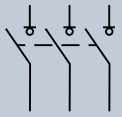
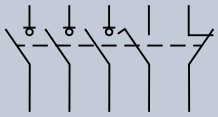
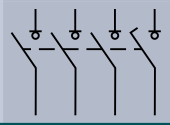
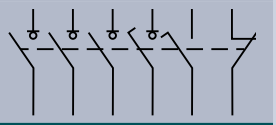
Accessories

				3LD30 (16 A)	3LD31 (25 A)	3LD32 (32 A)	3LD33 (40 A)	3LD34 (63 A)
Additional poles								
	Type	Contacts	Article No.					
	N switching contact (4th contact element)	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.					
	• Lockable in 0 position with max. 3 padlocks • Incl. funnel	Black	3LD9344-2C	■	■	■	■	■
		Red/yellow	3LD9344-3C	■	■	■	■	■
Knob-operated mechanisms								
	Version	Color	Article No.					
	• Lockable in 0 position with max. 2 padlocks • Incl. funnel	Black	3LD9343-4C	■	■	■	■	■
		Red/yellow	3LD9343-5C	■	■	■	■	■
Switch shafts								
	Cross-section	Length	Article No.					
	6 × 6 mm	600 mm	3LD9345-1C	■	■	■	■	■

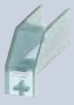
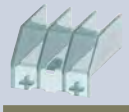
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Operating mechanisms, red/yellow					
3P+N		3P		3P+N	
					
Without auxiliary switch	**1 NO + 1 NC**	**Without auxiliary switch**	**1 NO + 1 NC**	**Without auxiliary switch**	**1 NO + 1 NC**
3LD3048-0TL51	3LD3048-1TL51	3LD3048-0TK53	3LD3048-1TK53	3LD3048-0TL53	3LD3048-1TL53
3LD3148-0TL51	3LD3148-1TL51	3LD3148-0TK53	3LD3148-1TK53	3LD3148-0TL53	3LD3148-1TL53
3LD3248-0TL51	3LD3248-1TL51	3LD3248-0TK53	3LD3248-1TK53	3LD3248-0TL53	3LD3248-1TL53
3LD3348-0TL51	3LD3348-1TL51	3LD3348-0TK53	3LD3348-1TK53	3LD3348-0TL53	3LD3348-1TL53
3LD3448-0TL51	3LD3448-1TL51	3LD3448-0TK53	3LD3448-1TK53	3LD3448-0TL53	3LD3448-1TL53
3LD3040-0TL11	3LD3040-1TL11	3LD3040-0TK13	3LD3040-1TK13	3LD3040-0TL13	3LD3040-1TL13
3LD3140-0TL11	3LD3140-1TL11	3LD3140-0TK13	3LD3140-1TK13	3LD3140-0TL13	3LD3140-1TL13
3LD3240-0TL11	3LD3240-1TL11	3LD3240-0TK13	3LD3240-1TK13	3LD3240-0TL13	3LD3240-1TL13
3LD3340-0TL11	3LD3340-1TL11	3LD3340-0TK13	3LD3340-1TK13	3LD3340-0TL13	3LD3340-1TL13
3LD3440-0TL11	3LD3440-1TL11	3LD3440-0TK13	3LD3440-1TK13	3LD3440-0TL13	3LD3440-1TL13

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				3LD30 (16 A)	3LD31 (25 A)	3LD32 (32 A)	3LD33 (40 A)	3LD34 (63 A)
Door-coupling rotary operating mechanisms								
	**Type**	**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	■	■	■	■	■

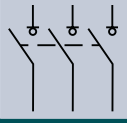
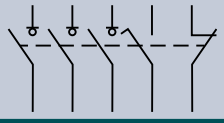
Quick selection guide, page 8/6

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3LD switch disconnectors

3LD3 main control and EMERGENCY-STOP switches, installation in distribution boards and basic switches without knob-operated mechanism, 10 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
Switches for installation in distribution boards with masking plate and selector knob, DIN-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

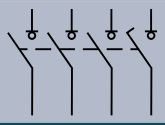
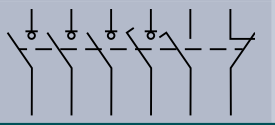
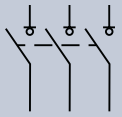
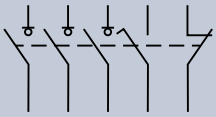
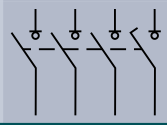
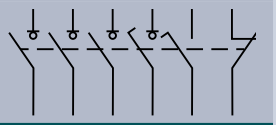
Accessories see page 8/22

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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**
3LD3030-0TL11	3LD3030-1TL11	3LD3030-0TK13	3LD3030-1TK13	3LD3030-0TL13	3LD3030-1TL13
3LD3130-0TL11	3LD3130-1TL11	3LD3130-0TK13	3LD3130-1TK13	3LD3130-0TL13	3LD3130-1TL13
3LD3230-0TL11	3LD3230-1TL11	3LD3230-0TK13	3LD3230-1TK13	3LD3230-0TL13	3LD3230-1TL13
3LD3330-0TL11	3LD3330-1TL11	3LD3330-0TK13	3LD3330-1TK13	3LD3330-0TL13	3LD3330-1TL13
3LD3430-0TL11	3LD3430-1TL11	3LD3430-0TK13	3LD3430-1TK13	3LD3430-0TL13	3LD3430-1TL13
3LD3010-0TL05	3LD3010-1TL05	–	–	–	–
3LD3110-0TL05	3LD3110-1TL05	–	–	–	–
3LD3210-0TL05	3LD3210-1TL05	–	–	–	–
3LD3310-0TL05	3LD3310-1TL05	–	–	–	–
3LD3410-0TL05	3LD3410-1TL05	–	–	–	–

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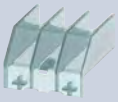
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3LD switch disconnectors

3LD3 main control and EMERGENCY-STOP switches, installation in distribution boards and basic switches without knob-operated mechanism, 10 kA_{rms}

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								
	**Type**	**Contacts**	**Article No.**					
	N switching contact (4th contact element)	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	■	■	■	■	■

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Accessories for basic switches without operating mechanism

Door-coupling rotary operating mechanisms



Type	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	■	■	■	■	■



Knob-operated mechanisms, defeatable, 66 × 66 mm	Black	3LD9343-2CA	■	■	■	■	■
	Red/yellow	3LD9343-3CA	■	■	■	■	■

Rotary operating mechanisms



Version	Color	Article No.	3LD30 (16 A)	3LD31 (25 A)	3LD32 (32 A)	3LD33 (40 A)	3LD34 (63 A)
• Lockable in 0 position with max. 3 padlocks • 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)
Knob-operated mechanisms	• Lockable in 0 position with max. 2 padlocks • Incl. funnel	Black	3LD9343-4C	■	■	■	■	■
		Red/yellow	3LD9343-5C	■	■	■	■	■



Knob-operated mechanisms, defeatable	• Lockable in 0 position with max. 3 padlocks • Incl. funnel	Black	3LD9343-2C	■	■	■	■	■
		Red/yellow	3LD9343-3C	■	■	■	■	■

Switch shafts



Cross-section	Length	Article No.	3LD30 (16 A)	3LD31 (25 A)	3LD32 (32 A)	3LD33 (40 A)	3LD34 (63 A)
6 × 6 mm	600 mm	3LD9345-1C	■	■	■	■	■

Inscription labels



• Pack of 10 units

Inscription	Article No.	3LD30 (16 A)	3LD31 (25 A)	3LD32 (32 A)	3LD33 (40 A)	3LD34 (63 A)
German/English (Hauptschalter/Main Switch)	3LD9346-1A	■	■	■	■	■
French/Spanish (Interrupteur Principal/Interruptor Principal)	3LD9346-2A	■	■	■	■	■
Without inscription	3LD9346-3A	■	■	■	■	■

Quick selection guide, page 8/6

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3LD switch disconnectors

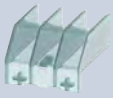
3LD3 main control and EMERGENCY-STOP switches, accessories

				3LD30 (16 A)	3LD31 (25 A)	3LD32 (32 A)	3LD33 (40 A)	3LD34 (63 A)
N switching contacts (4th contact element)								
	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	■	■	■	■	■

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					3LD30 (16 A)	3LD31 (25 A)	3LD32 (32 A)	3LD33 (40 A)	3LD34 (63 A)
Door-coupling rotary operating mechanisms									
	**Version**	**Type**	**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	■	■	■	■	■
	Knob-operated mechanisms, defeatable	Knob-operated mechanisms, defeatable, 66 × 66 mm	Black	3LD9343-2CA	■	■	■	■	■
			Red/yellow	3LD9343-3CA	■	■	■	■	■
Rotary operating mechanisms									
	• Lockable in 0 position with max. 3 padlocks								
	**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	• Lockable in 0 position with max. 2 padlocks • Without funnel	Black	3LD9343-6C	■	■	■	■	■
			Red/yellow	3LD9343-7C	■	■	■	■	■
	For floor mounting and basic switches without knob-operated mechanism	• Lockable in 0 position with max. 2 padlocks • Incl. funnel	Black	3LD9343-4C	■	■	■	■	■
			Red/yellow	3LD9343-5C	■	■	■	■	■
	Knob-operated mechanisms, defeatable	• Lockable in 0 position with max. 3 padlocks • Incl. funnel	Black	3LD9343-2C	■	■	■	■	■
			Red/yellow	3LD9343-3C	■	■	■	■	■
Terminal covers									
	• 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	■	■	■	■	■
Switch shafts									
	**Cross-section**		**Length**	**Article No.**					
	6 × 6 mm		600 mm	3LD9345-1C	■	■	■	■	■
Inscription labels									
	• 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	■	■	■	■	■

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3LD switch disconnectors

System overview of 3LD2 switch disconnectors

Basic units for front mounting


3P rotary operating mechanisms


3P knob-operated mechanisms (3LD23/3LD24)


3P knob-operated mechanisms


3P+N rotary operating mechanisms


3P+N knob-operated mechanisms (3LD23/3LD24)


3P+N knob-operated mechanisms


6P rotary operating mechanisms

Basic units for floor mounting


3P rotary operating mechanisms


3P knob-operated mechanisms (3LD23/3LD24)


3P knob-operated mechanisms, defeatable


3P+N rotary operating mechanisms


3P+N knob-operated mechanisms (3LD23/3LD24)


3P+N knob-operated mechanisms, defeatable


6P rotary operating mechanisms

Basic units for installation in distribution boards/enclosures, DC


3P knob-operated mechanisms


3P+N knob-operated mechanisms


8P DC isolators

Additional poles and auxiliary switches


N switching contacts


N/PE terminals (through-type)


Auxiliary switches (standard version)


Auxiliary switch for mounting on the front

Operating mechanisms


Rotary operating mechanisms for 4-hole and center-hole mounting




Knob-operated mechanisms (3LD23/3LD24)


Switch shafts


Coupling pieces without ON-lock


Assembly tools for center-hole mounting

Further accessories


Terminal covers, 1-pole


Terminal covers, 3 and 4-pole

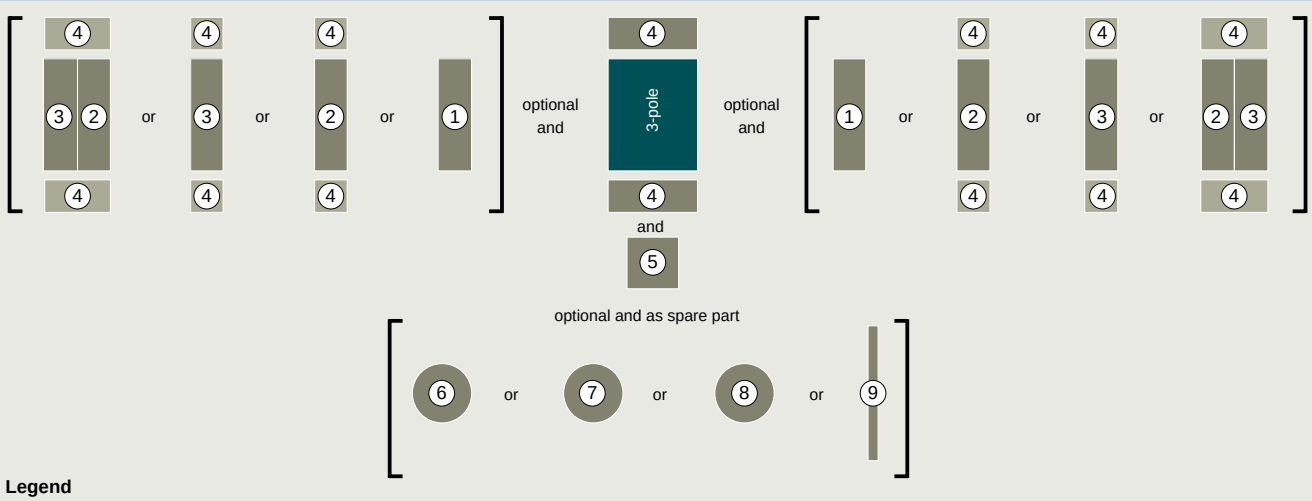


Inscription labels (with and without inscription)

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

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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. Switch shaft (300 or 600mm)

[1] N switching contact (2) must first be installed on the basic unit

[2] Can only be used with four-hole front mounting and floor mounting

I201_20483

8

Mounting types

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

Front mounting



The switches for front mounting are mounted on the inside of covers, side panels or, if applicable, control cabinet doors (depending on the applicable standard and switching function). 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.

Floor mounting



The switches for floor mounting up to 125 A (3LD28) are snapped onto 35 mm DIN 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 the 0 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 according to DIN 43880 and can be fitted under the same cover together with miniature circuit breakers.

DC isolators



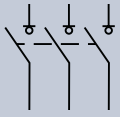
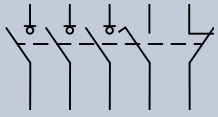
The DC isolators in the enclosure are suitable for disconnecting loads of up to 800 V DC due to their 8-pole design. To provide additional safety, the isolators can be locked in the 0 position.

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3LD switch disconnectors

3LD2 main control switches, front mounting, 25 ... 50 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-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	3LD2003-0TK51	3LD2003-1TP51
25 A	9.5 kW	7.5 kW	3LD2103-0TK51	3LD2103-1TP51
32 A	11.5 kW	9.5 kW	3LD2203-0TK51	3LD2203-1TP51
63 A	22 kW	18.5 kW	3LD2504-0TK51	3LD2504-1TP51
100 A	37 kW	30 kW	3LD2704-0TK51	3LD2704-1TP51
125 A	45 kW	37 kW	3LD2804-0TK51	3LD2804-1TP51
160 A	75 kW	50 kW	3LD2305-0TK11	3LD2305-0TK11 + 3LD9200-5B
250 A	132 kW	110 kW	3LD2405-0TK11	3LD2405-0TK11 + 3LD9200-5B
Rotary operating mechanism, center-hole mounting Ø 22.5 mm				
16 A	7.5 kW	5.5 kW	3LD2054-0TK51	3LD2054-1TP51
25 A	9.5 kW	7.5 kW	3LD2154-0TK51	3LD2154-1TP51
32 A	11.5 kW	9.5 kW	3LD2254-0TK51	3LD2254-0TK51 + 3LD9200-5B
63 A	22 kW	18.5 kW	3LD2555-0TK51	3LD2555-0TK51 + 3LD9200-5B
Knob-operated mechanism, four-hole mounting				
16 A	7.5 kW	5.5 kW	3LD2022-0TK11	3LD2022-0TK11 + 3LD9200-5B
25 A	9.5 kW	7.5 kW	3LD2122-0TK11	3LD2122-0TK11 + 3LD9200-5B
32 A	11.5 kW	9.5 kW	3LD2222-0TK11	3LD2222-0TK11 + 3LD9200-5B
Knob-operated mechanism, center-hole mounting Ø 22.5 mm				
16 A	7.5 kW	5.5 kW	3LD2050-0TK11	3LD2050-0TK11 + 3LD9200-5B
25 A	9.5 kW	7.5 kW	3LD2150-0TK11	3LD2150-0TK11 + 3LD9200-5B
32 A	11.5 kW	9.5 kW	3LD2250-0TK11	3LD2250-0TK11 + 3LD9200-5B

Scope of supply:
- Including terminal covers for the infeed side

Accessories, see page 8/30

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3P+N		6P	
Without auxiliary switch	**1 NO + 1 NC (standard version)**	**Without auxiliary switch**	**1 NO + 1 NC (standard version)**
3LD2003-1TL51	3LD2003-2EP51	–	–
3LD2103-1TL51	3LD2103-2EP51	3LD2103-3VK51	3LD2103-4VP51
3LD2203-1TL51	3LD2203-1TL51 + 3LD9200-5B	3LD2203-3VK51	3LD2203-3VK51 + 3LD9200-5B
3LD2504-1TL51	3LD2504-1TP51 + 3LD9250-0BA	3LD2504-3VK51	3LD2504-3VK51 + 3LD9200-5B
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	3LD2305-3VK11	3LD2305-3VK11 + 3LD9200-5B
3LD2405-1TL11	3LD2405-1TL11 + 3LD9200-5B	3LD2405-3VK11	3LD2405-3VK11 + 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	3LD2122-3VK11	–
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	–	–

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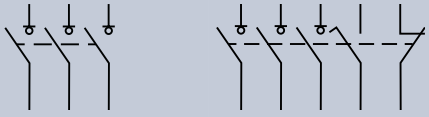
3LD switch disconnectors

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



Operating mechanisms, red/yellow

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-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	3LD2003-0TK53	3LD2003-1TP53
25 A	9.5 kW	7.5 kW	3LD2103-0TK53	3LD2103-1TP53
32 A	11.5 kW	9.5 kW	3LD2203-0TK53	3LD2203-1TP53
63 A	22 kW	18.5 kW	3LD2504-0TK53	3LD2504-1TP53
100 A	37 kW	30 kW	3LD2704-0TK53	3LD2704-1TP53
125 A	45 kW	37 kW	3LD2804-0TK53	3LD2804-1TP53
160 A	75 kW	50 kW	3LD2305-0TK13	3LD2305-0TK13 + 3LD9200-5B
250 A	132 kW	110 kW	3LD2405-0TK13	3LD2405-0TK13 + 3LD9200-5B
Rotary operating mechanism, center-hole mounting Ø 22.5 mm				
16 A	7.5 kW	5.5 kW	3LD2054-0TK53	3LD2054-1TP53
25 A	9.5 kW	7.5 kW	3LD2154-0TK53	3LD2154-1TP53
32 A	11.5 kW	9.5 kW	3LD2254-0TK53	3LD2254-0TK53 + 3LD9200-5B
63 A	22 kW	18.5 kW	3LD2555-0TK53	3LD2555-0TK53 + 3LD9200-5B
Knob-operated mechanism, four-hole mounting				
16 A	7.5 kW	5.5 kW	3LD2022-0TK13	3LD2022-0TK13 + 3LD9200-5B
25 A	9.5 kW	7.5 kW	3LD2122-0TK13	3LD2122-0TK13 + 3LD9200-5B
32 A	11.5 kW	9.5 kW	3LD2222-0TK13	3LD2222-0TK13 + 3LD9200-5B
Knob-operated mechanism, center-hole mounting Ø 22.5 mm				
16 A	7.5 kW	5.5 kW	3LD2050-0TK13	3LD2050-0TK13 + 3LD9200-5B
25 A	9.5 kW	7.5 kW	3LD2150-0TK13	3LD2150-0TK13 + 3LD9200-5B
32 A	11.5 kW	9.5 kW	3LD2250-0TK13	3LD2250-0TK13 + 3LD9200-5B

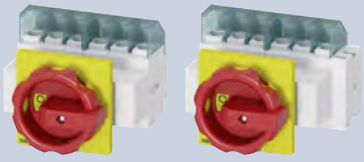
Scope of supply:
- Including terminal covers for the infeed side

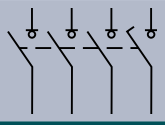
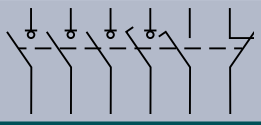
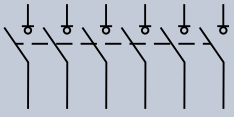
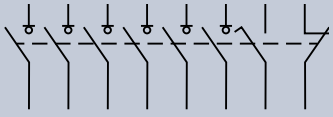
Accessories, see page 8/30

Quick selection guide, page 8/6

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3P+N		6P	
			
Without auxiliary switch	**1 NO + 1 NC (standard version)**	**Without auxiliary switch**	**1 NO + 1 NC (standard version)**
3LD2003-1TL53	3LD2003-2EP53	–	–
3LD2103-1TL53	3LD2103-2EP53	3LD2103-3VK53	3LD2103-4VP53
3LD2203-1TL53	3LD2203-1TL53 + 3LD9200-5B	3LD2203-3VK53	3LD2203-3VK53 + 3LD9200-5B
3LD2504-1TL53	3LD2504-1TP53 + 3LD9250-0BA	3LD2504-3VK53	3LD2504-3VK53 + 3LD9200-5B
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	3LD2305-3VK13	3LD2305-3VK13 + 3LD9200-5B
3LD2405-1TL13	3LD2405-1TL13 + 3LD9200-5B	3LD2405-3VK13	3LD2405-3VK13 + 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	3LD2122-3VK13	–
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	–	–

Quick selection guide, page 8/6

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3LD switch disconnectors

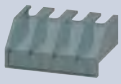
Accessories for front mounting

			3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)	3LD23 (160 A)	3LD24 (250 A)
N switching contacts (4th contact element)										
	**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)										
	• For mounting on the left and/or right • Lagging switch-on, leading switch-off									
	Contacts	**Contact surface**	**Article No.**							
	1 NO + 1 NC	Standard	3LD9200-5B	■	■	■	■	■	■	■	■
		Gold-plated	3LD9200-5BF	■	■	■	■	■	■	■	■
Auxiliary switches for mounting on the front										
	• Mounted on the switch shaft • For four-hole front mounting and floor mounting only • For long leading times (20 ... 150 m) • Not for 6-pole 3LD23 (160 A) and 3LD24 (250 A)									
	Contacts	**Contact surface**	**Article No.**							
	1 NO + 1 NC	Standard	3LD9280-5D	■	■	■	■	■	■		
			3LD9240-5D							■	■
		Gold-plated	3LD9280-5DF	■	■	■	■	■	■		
			3LD9240-5DF							■	■
Rotary operating mechanisms										
	• 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										
	• 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						■	■

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			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	■							
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	■	■	■	■				

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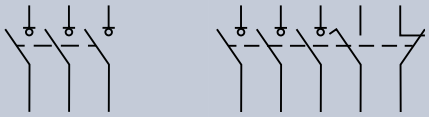
3LD switch disconnectors

3LD2 main control switches, floor mounting, 25 ... 50 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-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	3LD2013-0TK51	3LD2013-0TK51 + 3LD9200-5C
25 A	9.5 kW	7.5 kW	3LD2113-0TK51	3LD2113-0TK51 + 3LD9200-5C
32 A	11.5 kW	9.5 kW	3LD2213-0TK51	3LD2213-0TK51 + 3LD9200-5C
63 A	22 kW	18.5 kW	3LD2514-0TK51	3LD2514-0TK51 + 3LD9200-5C
100 A	37 kW	30 kW	3LD2714-0TK51	3LD2714-0TK51 + 3LD9200-5C
125 A	45 kW	37 kW	3LD2814-0TK51	3LD2814-0TK51 + 3LD9200-5C
160 A	75 kW	50 kW	3LD2318-0TK11	3LD2318-0TK11 + 3LD9200-5C
250 A	132 kW	110 kW	3LD2418-0TK11	3LD2418-0TK11 + 3LD9200-5C
Door-coupling rotary operating mechanism, center-hole mounting Ø 22.5 mm				
16 A	7.5 kW	5.5 kW	3LD2044-0TK51	3LD2044-0TK51 + 3LD9200-5C
25 A	9.5 kW	7.5 kW	3LD2144-0TK51	3LD2144-0TK51 + 3LD9200-5C
32 A	11.5 kW	9.5 kW	3LD2244-0TK51	3LD2244-0TK51 + 3LD9200-5C
63 A	22 kW	18.5 kW	3LD2545-0TK51	3LD2545-0TK51 + 3LD9200-5C
Defeatable door-coupling knob-operated mechanism, four-hole mounting				
16 A	7.5 kW	5.5 kW	3LD2017-0TK11	3LD2017-0TK11 + 3LD9200-5C
32 A	11.5 kW	9.5 kW	3LD2217-0TK11	3LD2217-0TK11 + 3LD9200-5C
63 A	22 kW	18.5 kW	3LD2517-0TK11	3LD2517-0TK11 + 3LD9200-5C

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

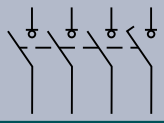
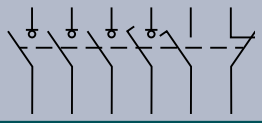
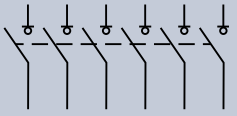
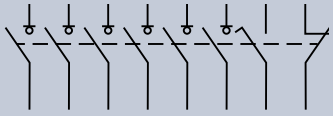
Mounting:
- Up to 125 A using screws or snap-on mounting on 35 mm mounting rails

Accessories, see page 8/36

Quick selection guide, page 8/6

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3P+N		6P	
			
Without auxiliary switch	**1 NO + 1 NC (standard version)**	**Without auxiliary switch**	**1 NO + 1 NC (standard version)**
3LD2013-1TL51	3LD2013-1TL51 + 3LD9200-5C	–	–
3LD2113-1TL51	3LD2113-1TL51 + 3LD9200-5C	3LD2113-3VK51	3LD2113-4VP51
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	3LD2318-3VK11	3LD2318-3VK11 + 3LD9200-5C
3LD2418-1TL11	3LD2418-1TL11 + 3LD9200-5C	3LD2418-3VK11	3LD2418-3VK11 + 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	–	–

Quick selection guide, page 8/6

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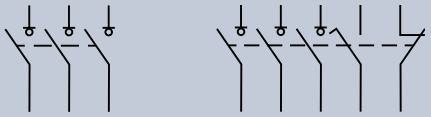
3LD switch disconnectors

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



Operating mechanisms, red/yellow

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-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	3LD2013-0TK53	3LD2013-0TK53 + 3LD9200-5C
25 A	9.5 kW	7.5 kW	3LD2113-0TK53	3LD2113-0TK53 + 3LD9200-5C
32 A	11.5 kW	9.5 kW	3LD2213-0TK53	3LD2213-0TK53 + 3LD9200-5C
63 A	22 kW	18.5 kW	3LD2514-0TK53	3LD2514-0TK53 + 3LD9200-5C
100 A	37 kW	30 kW	3LD2714-0TK53	3LD2714-0TK53 + 3LD9200-5C
125 A	45 kW	37 kW	3LD2814-0TK53	3LD2814-0TK53 + 3LD9200-5C
160 A	75 kW	50 kW	3LD2318-0TK13	3LD2318-0TK13 + 3LD9200-5C
250 A	132 kW	110 kW	3LD2418-0TK13	3LD2418-0TK13 + 3LD9200-5C
Door-coupling rotary operating mechanism, center-hole mounting Ø 22.5 mm				
16 A	7.5 kW	5.5 kW	3LD2044-0TK53	3LD2044-0TK53 + 3LD9200-5C
25 A	9.5 kW	7.5 kW	3LD2144-0TK53	3LD2144-0TK53 + 3LD9200-5C
32 A	11.5 kW	9.5 kW	3LD2244-0TK53	3LD2244-0TK53 + 3LD9200-5C
63 A	22 kW	18.5 kW	3LD2545-0TK53	3LD2545-0TK53 + 3LD9200-5C
Defeatable door-coupling knob-operated mechanism, four-hole mounting				
16 A	7.5 kW	5.5 kW	3LD2017-0TK13	3LD2017-0TK13 + 3LD9200-5C
32 A	11.5 kW	9.5 kW	3LD2217-0TK13	3LD2217-0TK13 + 3LD9200-5C
63 A	22 kW	18.5 kW	3LD2517-0TK13	3LD2517-1TL13 + 3LD9200-5C

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

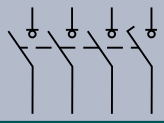
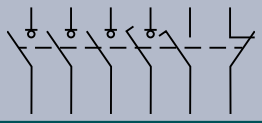
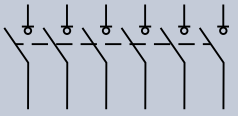
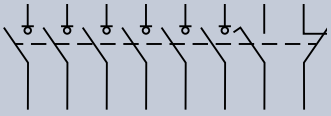
Mounting:
- Up to 125 A using screws or snap-on mounting on 35 mm mounting rails

Accessories, see page 8/36

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3P+N		6P	
			
Without auxiliary switch	**1 NO + 1 NC (standard version)**	**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	–	–

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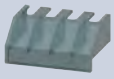
3LD switch disconnectors

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)
N switching contacts (4th contact element)										
	**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)										
	• 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 switches for mounting on the front										
	• Mounted on the switch shaft • For long leading times (20 ... 150 ms)									
	Contacts	**Contact surface**	**Article No.**							
	1 NO + 1 NC	Standard	3LD9280-5D	■	■	■	■	■	■		
			3LD9240-5D							■	■
		Gold-plated	3LD9280-5DF	■	■	■	■	■	■		
			3LD9240-5DF							■	■
Rotary operating mechanisms										
	• 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										
	• 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										
	• 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							■	■

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			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							■	■
Switch 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 • Cannot be used with defeatable 3LD2.17 door-coupling rotary operating mechanisms									
	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	■	■	■	■				

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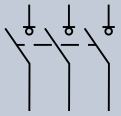
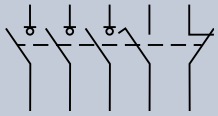
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3LD switch disconnectors

3LD2 main control switches, installation in distribution boards, 25 ... 50 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-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	3LD2030-0TK11	3LD2030-0TK11 + 3LD9200-5C
25 A	9.5 kW	7.5 kW	3LD2130-0TK11	3LD2130-0TK11 + 3LD9200-5C
32 A	11.5 kW	9.5 kW	3LD2230-0TK11	3LD2230-0TK11 + 3LD9200-5C
63 A	22 kW	18.5 kW	3LD2530-0TK11	3LD2530-0TK11 + 3LD9200-5C
100 A	37 kW	30 kW	3LD2730-0TK11	3LD2730-0TK11 + 3LD9200-5C
125 A	45 kW	37 kW	3LD2830-0TK11	3LD2830-0TK11 + 3LD9200-5C
160 A	75 kW	50 kW	3LD2330-0TK11	3LD2330-0TK11 + 3LD9200-5C
250 A	132 kW	110 kW	3LD2430-0TK11	3LD2430-0TK11 + 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

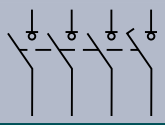
			3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)	3LD23 (160 A)	3LD24 (250 A)
N switching contacts (4th contact element)										
	Contacts	Article No.								
	Leading switch-on, lagging switch-off	3LD9220-0C		■	■					
		3LD9250-0CA				■				
		3LD9280-0C					■	■		
		3LD9240-0C							■	■
N/PE terminals										
	Contacts	Article No.								
	Through-type	3LD9200-2C	■							
		3LD9220-2C		■	■					
		3LD9250-2CA				■				
		3LD9280-2C					■	■		
		3LD9240-2C							■	■
Auxiliary switches (standard version)										
	• 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	■	■	■	■	■	■	■	■

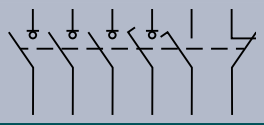
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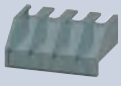
3P+N





Without auxiliary switch	1 NO + 1 NC (standard version)
3LD2030-1TL11	3LD2030-1TL11 + 3LD9200-5C
3LD2130-0TK11 + 3LD9220-0C	3LD2130-0TK11 + 3LD9220-0C + 3LD9200-5C
3LD2230-0TK11 + 3LD9220-0C	3LD2230-0TK11 + 3LD9220-0C + 3LD9200-5C
3LD2530-0TK11 + 3LD9250-0CA	3LD2530-0TK11 + 3LD9250-0CA + 3LD9200-5C
3LD2730-0TK11 + 3LD9280-0C	3LD2730-0TK11 + 3LD9280-0C + 3LD9200-5C
3LD2830-0TK11 + 3LD9280-0C	3LD2830-0TK11 + 3LD9280-0C + 3LD9200-5C
3LD2330-0TK11 + 3LD9240-0C	3LD2330-0TK11 + 3LD9240-0C + 3LD9200-5C
3LD2430-0TK11 + 3LD9240-0C	3LD2430-0TK11 + 3LD9240-0C + 3LD9200-5C

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			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	■							

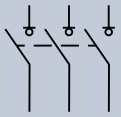
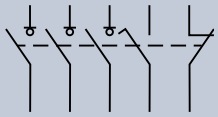
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3LD switch disconnectors

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



	Operating mechanisms, red/yellow	
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-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	3LD2030-0TK13	3LD2030-0TK13 + 3LD9200-5C
25 A	9.5 kW	7.5 kW	3LD2130-0TK13	3LD2130-0TK13 + 3LD9200-5C
32 A	11.5 kW	9.5 kW	3LD2230-0TK13	3LD2230-0TK13 + 3LD9200-5C
63 A	22 kW	18.5 kW	3LD2530-0TK13	3LD2530-0TK13 + 3LD9200-5C
100 A	37 kW	30 kW	3LD2730-0TK13	3LD2730-0TK13 + 3LD9200-5C
125 A	45 kW	37 kW	3LD2830-0TK13	3LD2830-0TK13 + 3LD9200-5C
160 A	75 kW	50 kW	3LD2330-0TK13	3LD2330-0TK13 + 3LD9200-5C
250 A	132 kW	110 kW	3LD2430-0TK13	3LD2430-0TK13 + 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

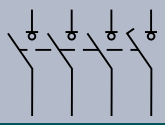
			3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)	3LD23 (160 A)	3LD24 (250 A)
N switching contacts (4th contact element)										
	Contacts	Article No.								
	Leading switch-on, lagging switch-off	3LD9220-0C		■	■					
		3LD9250-0CA				■				
		3LD9280-0C					■	■		
		3LD9240-0C							■	■
N/PE terminals										
	Contacts	Article No.								
	Through-type	3LD9200-2C	■							
		3LD9220-2C		■	■					
		3LD9250-2CA				■				
		3LD9280-2C					■	■		
		3LD9240-2C							■	■
Auxiliary switches (standard version)										
	• 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	■	■	■	■	■	■	■	■

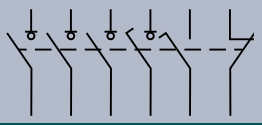
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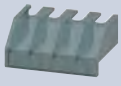
3P+N





Without auxiliary switch	1 NO + 1 NC (standard version)
3LD2030-1TL13	3LD2030-1TL13 + 3LD9200-5C
3LD2130-0TK13 + 3LD9220-0C	3LD2130-0TK13 + 3LD9220-0C + 3LD9200-5C
3LD2230-0TK13 + 3LD9220-0C	3LD2230-0TK13 + 3LD9220-0C + 3LD9200-5C
3LD2530-0TK13 + 3LD9250-0CA	3LD2530-0TK13 + 3LD9250-0CA + 3LD9200-5C
3LD2730-0TK13 + 3LD9280-0C	3LD2730-0TK13 + 3LD9280-0C + 3LD9200-5C
3LD2830-0TK13 + 3LD9280-0C	3LD2830-0TK13 + 3LD9280-0C + 3LD9200-5C
3LD2330-0TK13 + 3LD9240-0C	3LD2330-0TK13 + 3LD9240-0C + 3LD9200-5C
3LD2430-0TK13 + 3LD9240-0C	3LD2430-0TK13 + 3LD9240-0C + 3LD9200-5C

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		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	■							

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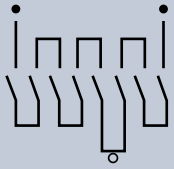
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3LD switch disconnectors

DC isolators, 50 kA_{rms}



	Operating mechanisms, black
Number of poles	8P



Mains voltage	Rated operational current I_e At DC-21A, 800 V DC	Rated operational 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

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Accessories for 3LD2 main control and EMERGENCY-STOP switches

Additional poles

	Version	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)
N switching contacts (4th contact element)											
	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											
	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)											
	• For mounting on the left and/or right • Lagging switch-on, leading switch-off										
	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 switches for mounting on the front											
	• Mounted on the front of the switch shaft • For four-hole front mounting and floor mounting only • For long leading times (20 ... 150 ms)										
	Contacts	Contact surface	Article No.								
	1 NO + 1 NC	Standard	3LD9280-5D	■	■	■	■	■	■		
			3LD9240-5D							■	■
		Gold-plated	3LD9280-5DF	■	■	■	■	■	■		
			3LD9240-5DF							■	■

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3LD switch disconnectors

Accessories for 3LD2 main control and EMERGENCY-STOP switches

Operating mechanisms

				3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)	3LD23 (160 A)	3LD24 (250 A)
Rotary operating mechanisms											
• Lockable in 0 position with up to 3 padlocks • Center-hole mounting, including seal and nut • Four-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											
• Lockable in 0 position with up to 3 padlocks • Including seal											
Switch	**Mounting**		**Article No.**								
For main control switches	Four-hole mounting		3LD9243-1B							■	■
For EMERGENCY-STOP switches	Four-hole mounting		3LD9243-3B							■	■
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											
Inscription	**Color**		**Article No.**								
O-I	Gray		3LD9287-1C	■	■	■	■	■	■		
			3LD9247-1C							■	■
	Red/yellow		3LD9287-3C	■	■	■	■	■	■		
			3LD9247-3C							■	■
Switch 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											
• Without ON-lock											
Version			**Article No.**								
For floor mounting			3LD9242-4F							■	■

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Further 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)
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									
	Switch	**Article No.**								
	For main control switches and EMERGENCY-STOP switches	3LD9256-0A	■	■	■	■				

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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



3P/6P
molded-plastic enclosures



3P/6P
molded-plastic enclosures

DC isolators in 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

Operating mechanisms



Rotary operating mechanisms for center-hole mounting

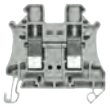


Knob-operated mechanisms for 3LD2 with EMC shield plate

Further accessories



Shield terminal

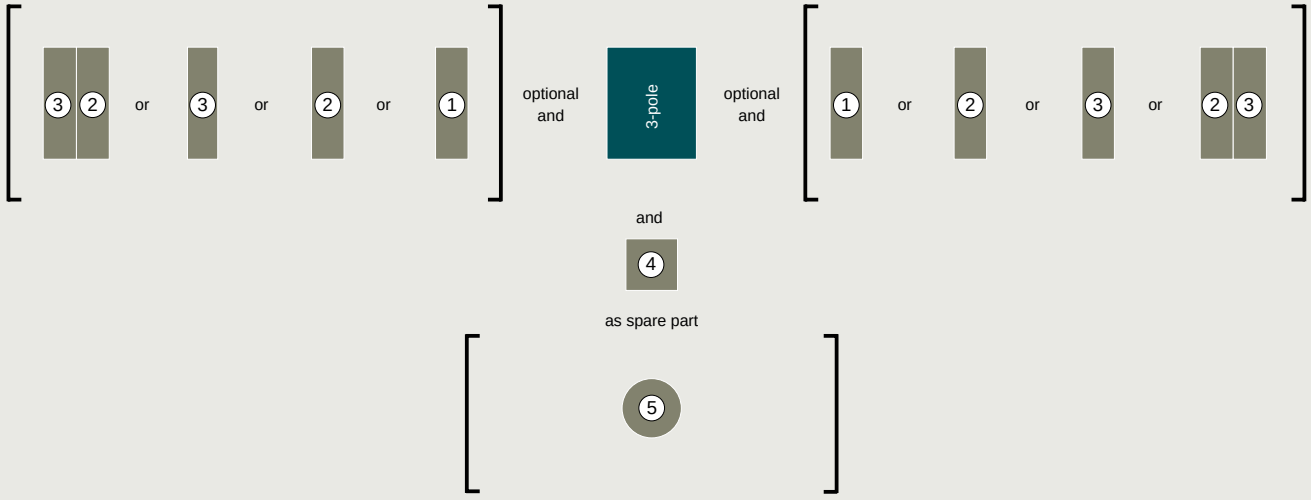


Through-type terminal

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

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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/knob-operated mechanisms

[1)] N switching contact (2) must first be installed on the basic unit
Note: Depending on the enclosure size, not all accessories can be used in combination

I201_20484a

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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



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.

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 ... 150 ms) NO contact switches the converter group off before the main contacts of the switch open. This produces an AC20 state. 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 0 ... 550 Hz.

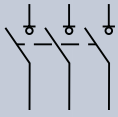
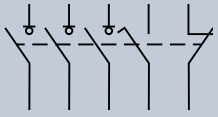
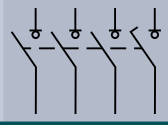
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3LD switch disconnectors

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





			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	3LD2064-0TB51	N	3LD2064-1GP51	PE	3LD2064-1TC51
25 A	9.5 kW	7.5 kW	PE+N	3LD2164-0TB51	N	3LD2164-1GP51	PE	3LD2164-1TC51
32 A	11.5 kW	9.5 kW	PE+N	3LD2264-0TB51	N	3LD2264-1GP51	PE	3LD2264-1TC51
63 A	22 kW	18.5 kW	PE+N	3LD2565-0TB51	N	3LD2565-1GP51	PE	3LD2565-1TC51
100 A	37 kW	30 kW	PE+N	3LD2766-0TB51	N	3LD2766-1GP51	PE+N	3LD2766-0TB51 + 3LD9280-0C
125 A	45 kW	37 kW	PE+N	3LD2866-0TB51	N	3LD2866-1GP51	PE+N	3LD2866-0TB51 + 3LD9280-0C

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Accessories

				3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)
N switching contacts (4th contact element)									
	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)									
	• 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 switches for mounting on the front									
	• 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	■	■	■	■	■	■
		Gold-plated	3LD9280-5DF	■	■	■	■	■	■

Quick selection guide, page 8/6

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1 NO + 1 NC (standard version)			6P 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	–		–	

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Accessories

			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	**Article No.**							
3P, 3P+N	3LD9224-1GH [1]		■	■	■			
	3LD9284-1G					■	■	■
6P	3LD9284-1G			■	■	■		





[1] Incl. enclosure cover

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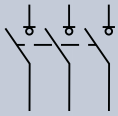
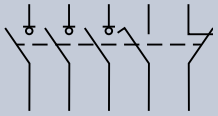
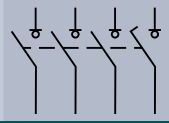
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3LD switch disconnectors

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





			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

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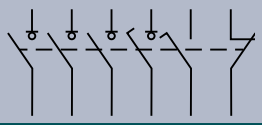
Accessories

			3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)
N switching contacts (4th contact element)								
	**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)								
	• 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 switches for mounting on the front								
	• 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	■	■	■	■	■	■
		Gold-plated	3LD9280-5DF	■	■	■	■	■	■

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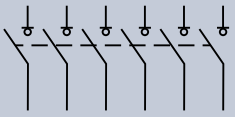
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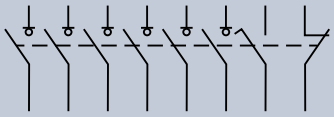


1 NO + 1 NC (standard version)

6P



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		–		–

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Accessories

			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	**Article No.**							
3P, 3P+N	3LD9224-3GH [1]		■	■	■			
	3LD9284-3G					■	■	■
6P	3LD9284-3G			■	■	■		





[1] Incl. enclosure cover

Quick selection guide, page 8/6

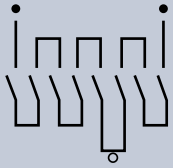
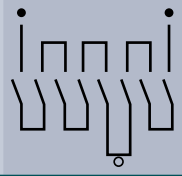
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3LD switch disconnectors

3LD2 DC isolators in a molded-plastic enclosure





	Operating mechanisms, black	Operating mechanisms, red/yellow
Number of poles	8P	8P
		

Mains voltage	Rated operational current I_e At DC-21A, 800 V DC	Rated operational 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

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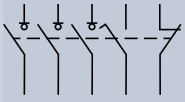
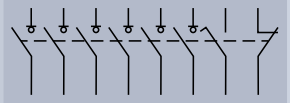
Quick selection guide, page 8/6

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





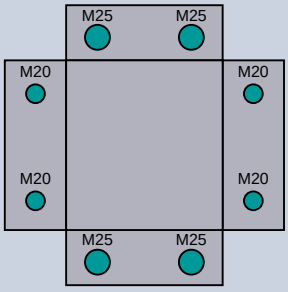
	Operating mechanisms, black	
Number of poles	3P	6P
		

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_u At AC-21, 50/60 Hz, 380 ... 440 V	Operational power AC-23A, 50/60 Hz, 380 ... 440 V	1 NO + 1 NC (Auxiliary switch for mounting on the front)		1 NO + 1 NC (Auxiliary switch for mounting on the front)	
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	–

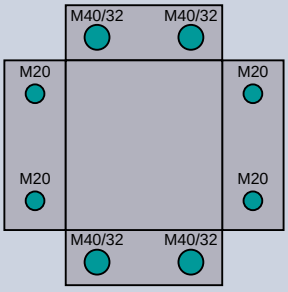
Scope of supply:
- Incl. shield clamps or hose clips for contacting the cable shield
- The PE terminal as a through-type terminal is insulated from the cable shield

3LD2 cable entries with EMC shield plate

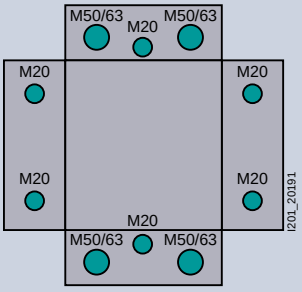
3LD2.84



3LD2.85



3LD2.86



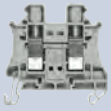
Quick selection guide, page 8/6

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3LD switch disconnectors

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

Accessories

			3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)
N switching contacts (4th contact element)								
	**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)								
	• 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 switches for mounting on the front								
	• 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	■	■	■	■	■	■
		Gold-plated	3LD9280-5DF	■	■	■	■	■	■
Knob-operated mechanisms								
	• Can be used as a replacement • Lockable in 0 and 1 position with up to 3 padlocks							
	**Version**	**Article No.**						
	Main control switches	3LD9283-2G	■	■	■	■	■	■
	EMERGENCY-STOP switches	3LD9283-4G	■	■	■	■	■	■
Rotary operating mechanisms								
	• Lockable in 0 position with up to 3 padlocks • Only for 50/60 Hz applications							
	**Type**	**Version**	**Article No.**					
	Main control switches	3P	3LD9224-1G	■	■	■			
			3LD9284-1G				■	■	■
		6P	3LD9284-1G		■	■	■		
	EMERGENCY-STOP switches	3P	3LD9224-3G	■	■	■			
			3LD9284-3G				■	■	■
		6P	3LD9284-3G		■	■	■		
Terminal blocks								
	**Version**	**Article No.**						
	Through-type terminal with screw connection	8WH1000-0AF00	■	■	■	■	■	■
Shield terminals								
	**Terminal area**	**Article No.**						
	3 ...12 mm	3LD9228-1G	■	■	■	■	■	■

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Accessories for 3LD2 switch disconnectors in enclosure

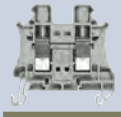
Additional poles

			3LD20 (16 A)	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)
N switching contacts (4th contact element)								
	**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)								
	• 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 switches for mounting on the front								
	• 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	■	■	■	■	■	■
		Gold-plated	3LD9280-5DF	■	■	■	■	■	■

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							
	Type	**Version**	**Article No.**					
	Main control switches	3P, 3P+N	3LD9224-1GH [1]	■	■	■			
			3LD9284-1G				■	■	■
		6P	3LD9284-1G		■	■	■		
	EMERGENCY-STOP switches	3P, 3P+N	3LD9224-3GH [1]	■	■	■			
			3LD9284-3G				■	■	■
		6P	3LD9284-3G		■	■	■		

Connection technology

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

[1] Incl. enclosure cover

System overview, page 8/46

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3LD switch disconnectors

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

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 operating mechanisms for four-hole mounting


Coupling heads with and without tolerance compensation


Supplementary handles for UL508A/NFPA79


Switch shafts

Further accessories


Terminal covers, 1-pole


Terminal covers, 3 and 4-pole

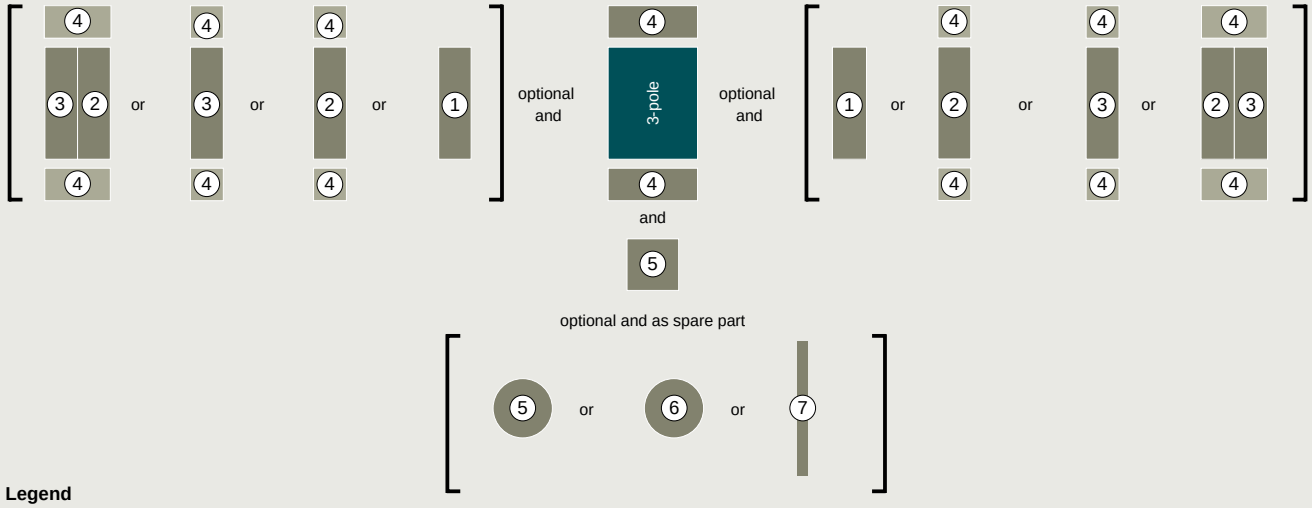


Inscription labels (with and without inscription)

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

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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 Switch shaft (300 or 600 mm)

[1)] N switching contact 2 must first be installed on the basic unit

I201_20485

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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 covers, side panels or, if applicable, control cabinet doors (depending on the applicable standard and switching function). 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 60 A are snapped onto 35 mm DIN rails according to EN 60715 or screw-mounted on mounting panels. The switches for 100 ... 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 DIN 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 the 0 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.

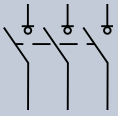
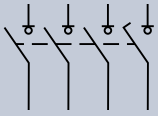
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3LD switch disconnectors

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





Number of poles	Operating mechanisms, black	
	3P	3P+N
		

Uninterrupted current I_u At AC-21A, 380 ... 440 V	General use acc. to UL489/60947-4-1	Operational power P At AC-23A, 380 ... 440 V		
Rotary operating mechanism, four-hole mounting				
32	30	15	3LD5020-0TK11	3LD5020-0TL11
63	60	30	3LD5220-0TK11	3LD5220-0TL11
100	100	45	3LD5420-0TK11	3LD5420-0TL11
125	125	55	3LD5620-0TK11	3LD5620-0TL11
160	150	75	3LD5820-0TK11	3LD5820-0TL11

Scope of supply:
- Including terminal covers for the infeed side

Accessories for front mounting

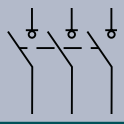
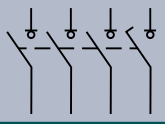
				3LD50	3LD52	3LD54	3LD56	3LD58
N switching contacts (4th contact element)								
	Contacts		Article No.					
	Leading switch-on, lagging switch-off		3LD9250-0BA	■				
			3LD9280-0B		■			
			3LD9240-0B			■	■	■
N/PE terminals								
	Contacts		Article No.					
	Through-type		3LD9250-2BA	■				
			3LD9280-2B		■			
			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.					
	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 ... 150 ms)							
	Contacts	Contact surface	Article No.					
	1 NO + 1 NC	Standard	3LD9280-5D	■	■			
			3LD9240-5D			■	■	■
		Gold-plated	3LD9280-5DF	■	■			
			3LD9240-5DF			■	■	■
Rotary operating mechanisms								
	• Lockable in 0 position with up to 3 padlocks							
	Version		Article No.					
	For main control switches		3LD9284-1B	■	■			
	For EMERGENCY-STOP switches		3LD9284-3B	■	■			

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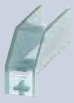
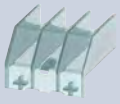
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Operating mechanisms, red/yellow	
3P	3P+N
	
3LD5020-0TK13	3LD5020-0TL13
3LD5220-0TK13	3LD5220-0TL13
3LD5420-0TK13	3LD5420-0TL13
3LD5620-0TK13	3LD5620-0TL13
3LD5820-0TK13	3LD5820-0TL13

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			3LD50	3LD52	3LD54	3LD56	3LD58
Knob-operated mechanisms							
	• Lockable in 0 position with up to 3 padlocks						
	Version	**Article No.**					
	For main control switches	3LD9243-1B			■	■	■
	For EMERGENCY-STOP switches	3LD9284-3B			■	■	■
Terminal covers							
	• Pack of 4 units						
	Number of poles	**Article No.**					
	1-pole	3LD9251-2A	■				
		3LD9281-2A		■			
		3LD9241-2A			■	■	■
	3-pole	3LD9251-0A	■				
Inscription labels							
	• Pack of 10 units						
	Inscription	**Article No.**					
	German/English (Hauptschalter/Main Switch)	3LD9286-1A	■	■	■	■	■
	Without inscription	3LD9286-4A	■	■	■	■	■

Quick selection guide, page 8/6

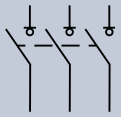
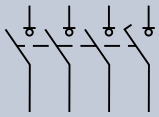
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3LD switch disconnectors

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





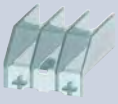
Number of poles	Operating mechanisms, black	
	3P	3P+N
		

Uninterrupted current I_u At AC-21A, 380 ... 440 V	General use acc. to UL489/508	Operational power P At AC-23A, 380 ... 440 V		
Rotary operating mechanism, four-hole mounting				
32	30	15	3LD5000-0TK11	3LD5000-0TL11
63	60	30	3LD5200-0TK11	3LD5200-0TL11
100	100	45	3LD5400-0TK11	3LD5400-0TL11
125	125	55	3LD5600-0TK11	3LD5600-0TL11
160	150	75	3LD5800-0TK11	3LD5800-0TL11

Scope of supply:
- Including terminal covers for the infeed side

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Accessories for floor mounting with direct operating mechanisms

				3LD50	3LD52	3LD54	3LD56	3LD58
N switching contacts (4th contact element)								
	Contacts		Article No.					
	Leading switch-on, lagging switch-off		3LD9250-0CA	■				
			3LD9280-0C		■			
			3LD9240-0C			■	■	■
N/PE terminals								
	Contacts		Article No.					
	Through-type		3LD9250-2CA	■				
			3LD9280-2C		■			
			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	■				
			3LD9281-2A		■			
			3LD9241-2A			■	■	■
	3-pole		3LD9251-0A	■				

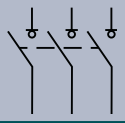
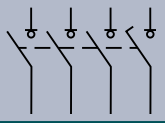
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Operating mechanisms, red/yellow

3P	3P+N
	
3LD5000-0TK13	3LD5000-0TL13
3LD5200-0TK13	3LD5200-0TL13
3LD5400-0TK13	3LD5400-0TL13
3LD5600-0TK13	3LD5600-0TL13
3LD5800-0TK13	3LD5800-0TL13

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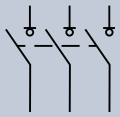
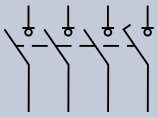
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3LD switch disconnectors

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





	Operating mechanisms, black	
Number of poles	3P	3P+N
		

Uninterrupted current I_u At AC-21A, 380 ... 440 V	General use acc. to UL489/508	Operational power P At AC-23A, 380 ... 440 V		
Rotary operating mechanism, four-hole mounting				
32	30	15	3LD5010-0TK11	3LD5010-0TL11
63	60	30	3LD5210-0TK11	3LD5210-0TL11
100	100	45	3LD5410-0TK11	3LD5410-0TL11
125	125	55	3LD5610-0TK11	3LD5610-0TL11
160	150	75	3LD5810-0TK11	3LD5810-0TL11

Scope of supply:
- Including terminal covers for the infeed side
- Defeatable door-coupling rotary operating mechanisms with shaft 300 mm
- Without tolerance compensation

8

Accessories for floor mounting with door-coupling rotary operating mechanism

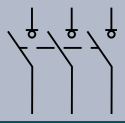
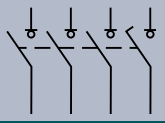
				3LD50	3LD52	3LD54	3LD56	3LD58
N switching contacts (4th contact element)								
	Contacts		Article No.					
	Leading switch-on, lagging switch-off		3LD9250-0CA	■				
			3LD9280-0C		■			
			3LD9240-0C			■	■	■
N/PE terminals								
	Contacts		Article No.					
	Through-type		3LD9250-2CA	■				
			3LD9280-2C		■			
			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.					
	1 NO + 1 NC	Standard	3LD9200-5C	■	■	■	■	■
		Gold-plated	3LD9200-5CF	■	■	■	■	■
Auxiliary switch for mounting on the front								
	• 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	■	■			
			3LD9240-5D			■	■	■
		Gold-plated	3LD9280-5DF	■	■			
			3LD9240-5DF			■	■	■
Handles								
	• Supplied with a masking plate, but without an extension shaft or coupling driver • Can be locked with up to max. 3 padlocks							
	Inscription	Color	Article No.					
	O-I	Gray	8UD1771-2AD01	■	■			
			8UD1731-2AD01			■	■	■
		Red/yellow	8UD1771-2AD05	■	■			
			8UD1731-2AD05			■	■	■

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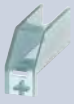
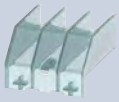
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Operating mechanisms, red/yellow

3P	3P+N
	
3LD5010-0TK13	3LD5010-0TL13
3LD5210-0TK13	3LD5210-0TL13
3LD5410-0TK13	3LD5410-0TL13
3LD5610-0TK13	3LD5610-0TL13
3LD5810-0TK13	3LD5810-0TL13

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			3LD50	3LD52	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							
Inscription	**Color**	**Article No.**					
O-I	Gray	3LD9287-1C	■	■			
		3LD9247-1C			■	■	■
	Red/yellow	3LD9287-3C	■	■			
		3LD9247-3C			■	■	■
Coupling drivers							
	**Version**	**Article No.**					
	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.**					
	1-pole	3LD9251-2A	■				
		3LD9281-2A		■			
		3LD9241-2A			■	■	■
	3-pole	3LD9251-0A	■				
Inscription labels							
	• Pack of 10 units						
	Inscription	**Article No.**					
	German/English (Hauptschalter/Main Switch)	3LD9286-1A	■	■	■	■	■
	Without inscription	3LD9286-4A	■	■	■	■	■
Switch 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			■	■	■

Quick selection guide, page 8/6

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3LD switch disconnectors

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

Additional poles

N switching contacts (4th contact element) for front mounting



Contacts	Article No.	3LD50	3LD52	3LD54	3LD56	3LD58
Leading switch-on, lagging switch-off	3LD9250-0BA	■				
	3LD9280-0B		■			
	3LD9240-0B			■	■	■

N switching contacts (4th contact element) for floor mounting



Contacts	Article No.	3LD50	3LD52	3LD54	3LD56	3LD58
Leading switch-on, lagging switch-off	3LD9250-0CA	■				
	3LD9280-0C		■			
	3LD9240-0C			■	■	■

N/PE terminals for front mounting



Contacts	Article No.	3LD50	3LD52	3LD54	3LD56	3LD58
Through-type	3LD9250-2BA	■				
	3LD9280-2B		■			
	3LD9240-2B			■	■	■

N/PE terminals for floor mounting



Contacts	Article No.	3LD50	3LD52	3LD54	3LD56	3LD58
Through-type	3LD9250-2CA	■				
	3LD9280-2C		■			
	3LD9240-2C			■	■	■

Auxiliary switches (standard version) for front mounting



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

Contacts	Contact surface	Article No.	3LD50	3LD52	3LD54	3LD56	3LD58
1 NO + 1 NC	Standard	3LD9200-5B	■	■	■	■	■
	Gold-plated	3LD9200-5BF	■	■	■	■	■

Auxiliary switches (standard version) for floor mounting



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

Contacts	Contact surface	Article No.	3LD50	3LD52	3LD54	3LD56	3LD58
1 NO + 1 NC	Standard	3LD9200-5C	■	■	■	■	■
	Gold-plated	3LD9200-5CF	■	■	■	■	■

Auxiliary switch for mounting on the front



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

Contacts	Contact surface	Article No.	3LD50	3LD52	3LD54	3LD56	3LD58
1 NO + 1 NC	Standard	3LD9280-5D	■	■			
		3LD9240-5D			■	■	■
	Gold-plated	3LD9280-5DF	■	■			
		3LD9240-5DF			■	■	■

8

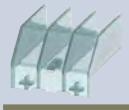
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Operating mechanisms

			3LD50	3LD52	3LD54	3LD56	3LD58
Rotary operating mechanism for front mounting							
	• Lockable in 0 position with up to 3 padlocks						
	Version	**Article No.**					
	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.**					
	For main control switches	3LD9243-1B			■	■	■
	For EMERGENCY-STOP switches	3LD9284-3B			■	■	■
Handles for floor mounting							
	• Supplied with a masking plate, but without an extension shaft or coupling driver • Can be locked with up to max. 3 padlocks						
	Inscription / **Color**	**Article No.**					
	O-I / Gray	8UD1771-2AD01	■	■			
		8UD1731-2AD01			■	■	■
	Red/yellow	8UD1771-2AD05	■	■			
		8UD1731-2AD05			■	■	■
Supplementary handles for floor mounting for door-coupling rotary operating mechanism							
	• For requirements according to UL508A/NFPA79 • Can be locked with up to 1 padlock in 0 position • Can only be switched on by deliberate action						
	Inscription / **Color**	**Article No.**					
	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.**					
	With tolerance compensation	8UD1900-1GA00	■	■			
		8UD1900-2GA00			■	■	■
	Without tolerance compensation	8UD1900-1HA00	■	■			
		8UD1900-2HA00			■	■	■

Further accessories

			3LD50	3LD52	3LD54	3LD56	3LD58
Terminal covers							
	• Pack of 4 units						
	Number of poles	**Article No.**					
	1-pole	3LD9251-2A	■				
		3LD9281-2A		■			
		3LD9241-2A			■	■	■
	3-pole	3LD9251-0A	■				
Inscription labels							
	• Pack of 10 units						
	Inscription	**Article No.**					
	German/English (Hauptschalter/Main Switch)	3LD9286-1A	■	■	■	■	■
	Without inscription	3LD9286-4A	■	■	■	■	■
Switch 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			■	■	■

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