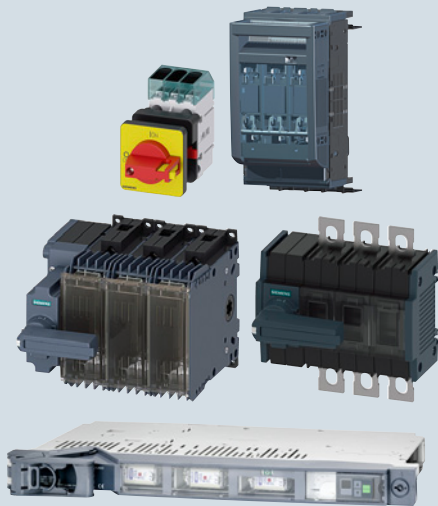


Switch Disconnectors

7



For further technical product information:

[Configuration Manual](#)

[Switch disconnectors](#)

Article No.: 3ZW1012-3NP11-0AC1

Siemens Industry Online Support:

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→ Entry type:
Application example
Certificate
Characteristic
Download
FAQ
Manual
Product note
Software archive
Technical data

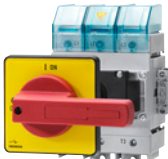
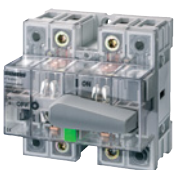
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	Switch disconnectors with fuses		7/234 Fuses
	<u>3KF switch disconnectors with fuses up to 800 A NEW</u>		<u>3NJ4, 3NJ5 in-line fuse switch disconnectors up to 2000 A</u>
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Switch Disconnectors

Introduction

Overview

		Article No.	Page
Fuseless switch disconnectors			
 3LD3	Main control and EMERGENCY-STOP switches from 16 A to 250 A Main control and EMERGENCY-STOP switches from 16 A to 63 A NEW • Front/floor mounting, door-coupling rotary operating mechanism and mounting in distribution boards • Front mounting via center hole mounting • 3 and 4-pole versions	3LD	7/6
	Main control and EMERGENCY-STOP switches from 16 A to 250 A • Front/floor mounting, door-coupling rotary operating mechanism, distribution board mounting and in molded-plastic enclosures • Front mounting with four-hole and center hole arrangement • 3, 4 and 6-pole versions • 3 and 4-pole load transfer switches see chapter "Transfer Switching Equipment and Load Transfer Switches" • DC isolators 800 V DC	3LD3 3LD2	
 3LD2	Switch disconnectors from 100 A to 200 A • For floor and distribution board mounting • 2, 3 and 4-pole versions	5TE1	7/84
	Switch disconnectors up to 1600 A • Compact design allowing it to be used where space is limited. • Complete assemblies: 3 and 4-pole switch disconnectors with front operating mechanisms, connections in form of box terminal or flat terminal including direct operating mechanism with gray handle • Basic units for individual configuration, with front operating mechanism without handle, 3 and 4-pole variants, connection by box terminal or flat terminal, operating mechanism module in center or on left-hand side of switch disconnector	3KD	7/47
	Switch disconnectors from 63 A to 1000 A • Devices for floor mounting with handle, with door-coupling rotary operating mechanism, in molded-plastic enclosures and for mounting in control cabinet side panels • 3 and 4-pole versions • Accessories for use as load transfer switches and parallel switches	3KA, 3KE	7/89
	Switch disconnectors from 160 A to 1600 A • Compact design allowing it to be used where space is limited. • 3 and 4-pole versions • Coordinated, comprehensive range of accessories for greater functionality, e.g. - Motorized operating mechanisms - Shunt and undervoltage releases for remote control - Switching state interrogation by means of auxiliary and alarm switches	3VT	7/100

		Article No.	Page	
Switch disconnectors with fuses				
	Switch disconnectors with fuses up to 800 A NEW • Devices for floor mounting and for mounting in control cabinet side panels • 3 and 4-pole versions • Complete assemblies: Connections by box terminal or flat terminal including direct operating mechanism • Basic units for individual configuration, with front operating mechanism without handle, door-coupling rotary operating mechanism, connection by box terminal or flat terminal, operating mechanism module in center or on left-hand side of switch disconnector • Suitable for LV HRC fuses	3KF	7/124	
		Switch disconnectors with fuses up to 800 A • Devices for floor mounting with door-coupling rotary operating mechanism and for mounting in control cabinet side panels • 3KM versions with isolating plug connector for mounting on vertical busbars • 3 and 4-pole versions • Suitable for LV HRC and BS 88 fuses	3KL, 3KM	7/150
		In-line switch disconnectors with fuses, plug-in type, up to 630 A • 2, 3 and 4-pole versions • Suitable for LV HRC and BS 88 fuses • Manually operated or with motorized operating mechanism • Optionally with integrated current transformers, auxiliary switches, and electronic fuse monitoring	3NJ62	7/167
Fuse switch disconnectors				
	3NP fuse switch disconnectors • Rated current up to 630 A • Connection components are available for flat connection, saddle terminal connection, prism terminal connection and box terminal connection • Electromechanical and electronic fuse monitoring with/without network monitoring function • Mounting versions for floor mounting and 40/60 mm busbar system	3NP1, 3NP5	7/204	
		In-line fuse switch disconnectors up to 2000 A • 1 and 3-pole switchable versions • Versions for secondary-side protection of transformers • In-line infeed block versions up to 2000 A with isolating blades • Connection components are available for flat connection, stud bolt connection, saddle terminal connection, prism terminal connection and box terminal connection • Versions with/without integratable current transformer • Versions with/without electronic fuse monitoring	3NJ4, 3NJ5	7/237

Switch Disconnectors

Introduction

Application

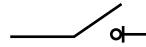
The ideal line protection for every requirement

The protective separation of electrical installations from the power supply is essential for the protection of persons and the installations themselves. We offer you an integrated portfolio of SENTRON switching devices for safely and efficiently switching electrical equipment in a standard-compliant way.

Persons are protected against accidents and electrical installations reliably safeguarded against damage. In addition, you benefit from a high level of flexibility and productivity in the engineering process.

Fuseless switch disconnectors

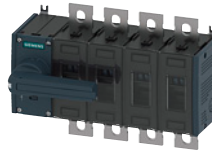
Graphical symbols



3LD



3KD

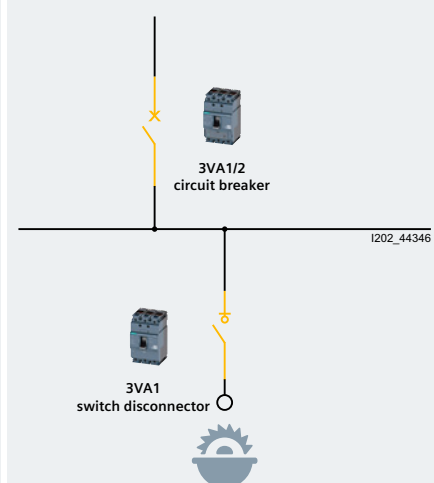
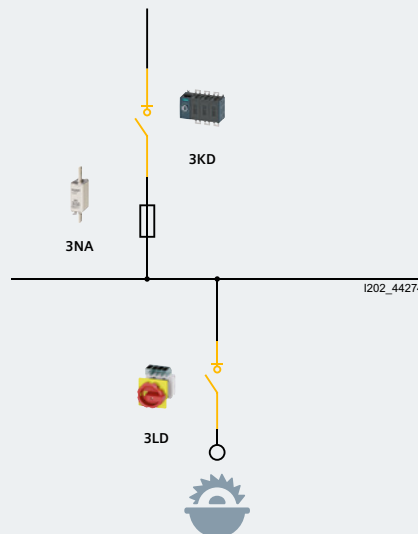


3VA



Rated current	16 ... 250 A	16 ... 1600 A	16 ... 250 A
Number of poles	3, 4, 6	3, 4, 6	3, 4
Connection	Box terminal	Box terminal, flat connection	Box terminal, flat connection
Switching frequency	• for infrequent operation ✓ • for frequent or functional operation ✓	• for infrequent operation ✓ • for frequent or functional operation ✓	• for infrequent operation ✓ • for frequent or functional operation ✓
suitable for fuse links	--	--	--
Mounting type	Front mounting, standard mounting rail, floor mounting	Standard mounting rail, floor mounting	Standard mounting rail, floor mounting
Function	Switching without protection function If protection occurs in the higher-level distribution		

Application example

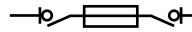


Typical application areas Switching of mobile machines (e.g. woodworking machines)

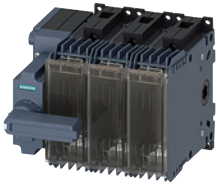
Other typical applications OEMs and machine building
Line disconnector for maintenance purposes

✓ Available
-- Not available

Switch disconnectors with fuses



3KF



3NJ6



Fuse switch disconnectors



3NP1



3NJ4



32 ... 800 A

3, 4

Box terminal, flat connection

✓
✓

NH000 ... NH3

Standard mounting rail, floor mounting

Switching (double-break) with protection function

Frequent switching and protection in one device

160 ... 630 A

2, 3, 4

Box terminal, flat connection

✓
✓

NH000 ... NH3, BS A3 ... BS B4 (3T)

Withdrawable unit design for 185 mm busbar system

160 ... 630 A

3

Box terminal, flat connection

✓
--

NH000 ... NH3

Standard mounting rail, floor mounting, mounting on 40 mm and 60 mm busbar systems

Switching (single-break) with protection function

Infrequent switching and protection in one device

160 ... 2000 A

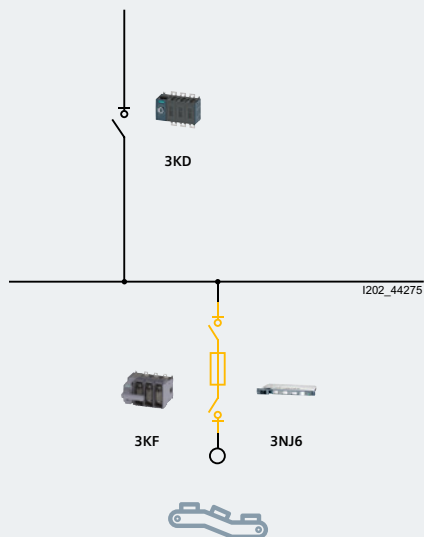
1, 3

Box terminal, flat connection

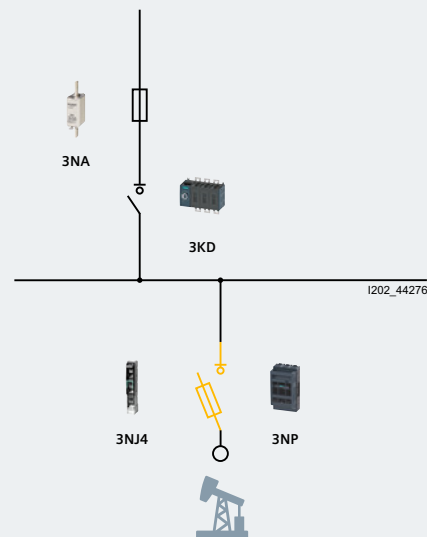
✓
--

NH000 ... NH4

Mounting on 60 mm, 100 mm or 185 mm busbar systems



Protection and switching of series machines

Outgoing energy feeders in motor control centers
Airports and railway stations

Protection of auxiliary units for non-functional switching (e.g. oil pumps)

Infeed of a control cabinet
Main fuse in machine terminal boxes✓ Available
-- Not available

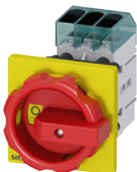
Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

General data

Overview

Type (rated current I_n)	3LD30 (16 A)	3LD20 (16 A)	3LD31 (25 A)	3LD21 (25 A)	3LD32 (32 A)
Operating mechanism, red/yellow					
Operating mechanism, black					
Mounting type					
Front mounting					
• Center-hole mounting	✓	✓	✓	✓	✓
• Four-hole mounting	--	✓	--	✓	--
Floor mounting					
• Center-hole mounting	✓	✓	✓	✓	✓
• Four-hole mounting	--	✓	--	✓	--
Types of use					
Distribution board mounting	✓	✓	✓	✓	✓
Molded-plastic enclosure	--	✓	--	✓	--
DC isolator	--	--	--	--	--
Transfer switch, see chapter "Transfer Switching Equipment and Load Transfer Switches"	--	--	--	✓	--
Technical features					
Number of poles					
• 3-pole	✓	✓	✓	✓	✓
• 4-pole	✓	✓	✓	✓	✓
• 6-pole	--	--	--	✓	--
Short-circuit behavior					
• Rated conditional short-circuit current with upstream fuses at AC 50/60 Hz, 690 V	kA	6	50	6	50
• Rated short-time withstand current (1 s current, rms value)	A	500	340	500	640
Endurance mechanical (operating cycles)		100000	100000	100000	100000
Switching frequency	1/h	50	50	50	50
Conductor cross-sections for main conductors ¹⁾					
• Solid or stranded	mm ²	1x (2.5 ... 16 mm ²)	1 ... 6	1x (2.5 ... 16 mm ²)	1.5 ... 16
• Finely stranded with end sleeve (max.)	mm ²	1x (2.5 ... 16 mm ²)	4	1x (2.5 ... 16 mm ²)	10
• Conductor cross-sections	AWG	14 ... 6	18 ... 10	14 ... 6	14 ... 8
• Torque for terminal	Nm	3	1.5 ... 2	3	2 ... 2.5
Accessories					
Auxiliary switches					
• 1 NO + 1 NC	✓	✓	✓	✓	✓
• 2 NO	--	✓	--	✓	--
Further accessories					
• 4 th pole	✓	--	✓	✓	✓
• N or PE terminals	✓	✓	✓	✓	✓

¹⁾ Depending on the cable infeed, only small cross-sections are possible with 3LD2 devices in molded-plastic enclosures.

✓ Available

-- Not available

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

General data

3LD22 (32 A)	3LD33 (40 A)	3LD34 (63 A)	3LD25 (63 A)	3LD27 (100 A)	3LD28 (125 A)	3LD23 (160 A)	3LD24 (250 A)
							
							
✓ ✓	✓ --	✓ --	✓ ✓	-- ✓	-- ✓	-- ✓	-- ✓
✓ ✓	-- --	✓ --	✓ ✓	-- ✓	-- ✓	-- ✓	-- ✓
✓ ✓	✓ --	✓ --	✓ ✓	✓ ✓	✓ ✓	✓ --	✓ --
✓ ✓	-- --	-- --	-- --	-- --	-- --	-- --	-- --
✓ ✓	-- --	-- --	✓ ✓	✓ ✓	-- --	✓ ✓	✓ ✓
✓ ✓ ✓	✓ ✓ --	✓ ✓ --	✓ ✓ ✓	✓ -- --	✓ -- --	✓ ✓ ✓	✓ ✓ ✓
50 640	6 1000	6 1000	50 1260	50 2000	20 2000	50 4000	50 4000
100000	100000	100000	100000	100000	100000	100000	100000
50	50	50	50	50	50	50	50
1.5 ... 16 10 14 ... 8 2 ... 2.5	1x (2.5 ... 16 mm²) 1x (2.5 ... 16 mm²) 14 ... 6 3	1x (2.5 ... 16 mm²) 1x (2.5 ... 16 mm²) 14 ... 6 3	2.5 ... 35 16 14 ... 6 2.5 ... 3	4 ... 50 35 12 ... 1 2.5 ... 3	4 ... 50 35 12 ... 1 2.5 ... 3	16 ... 185 150 10 ... 60	16 ... 185 150 10 ... 60
✓ ✓	✓ --	✓ --	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓
✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓

✓ Available
-- Not available

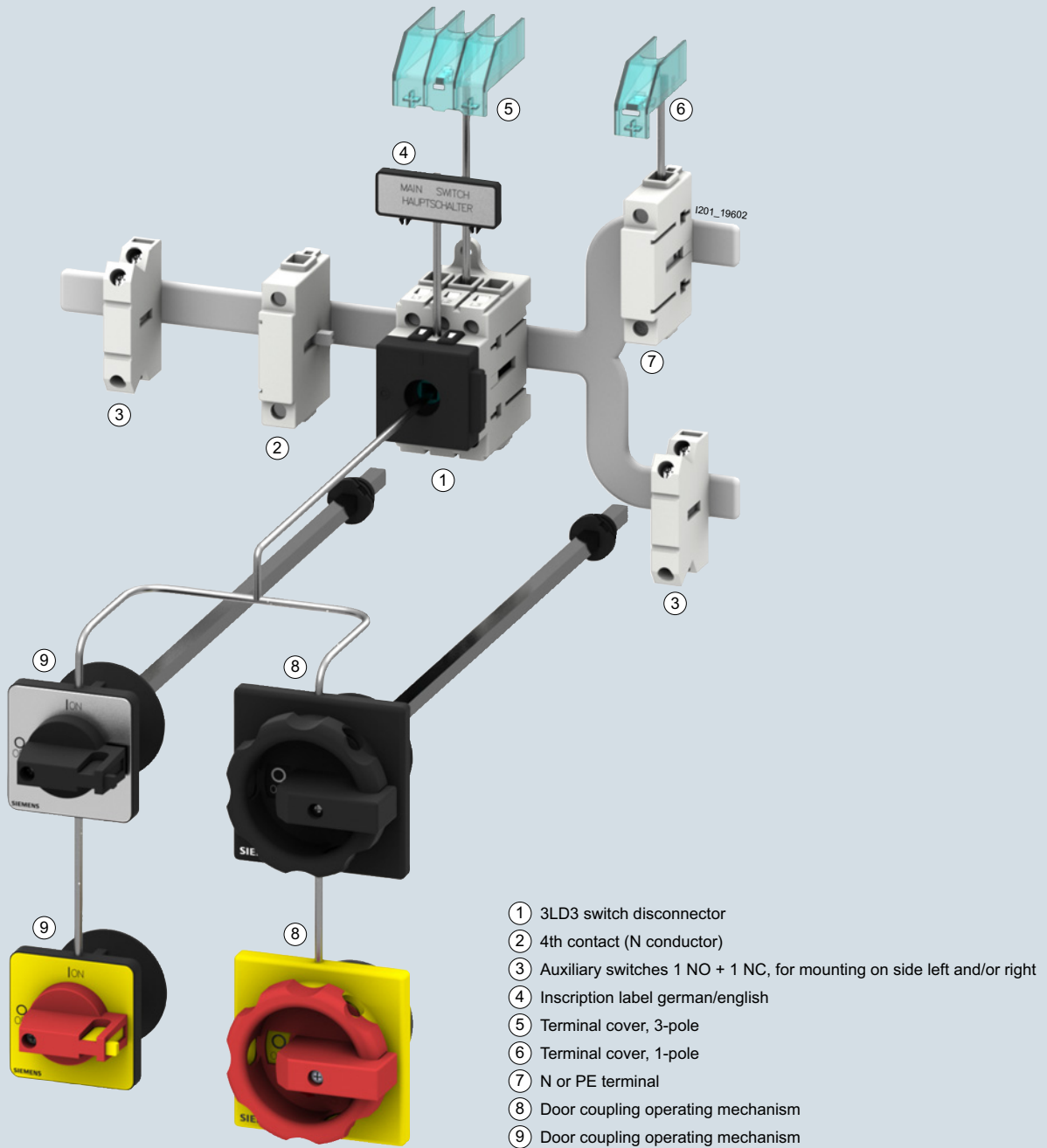
Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD3 main control and EMERGENCY-STOP switches from 16 to 63 A > Introduction **NEW**

Overview



The 3LD3 main control and EMERGENCY-STOP switches are suitable for a current range from 16 to 63 A. As main control switches for small tools, as load EMERGENCY-STOP switches and as load maintenance switches, they meet all the relevant IEC requirements.

Versions and accessories

- One size with box terminal in 3 and 4-pole version
- Installation via front and floor mounting or distribution board mounting
- Auxiliary switches for querying the switch positions
- Door-coupling rotary operating mechanism for operation of switch disconnector outside the control cabinet door

Benefits

- Compact, narrow design saves space
- Flexibility thanks to numerous application options
- Locking capability during maintenance work
- A wide range of accessories available
- Comprehensive support through provision of CAx data

Application

The 3LD3 switches are used for switching machines as well as three-phase motors and other loads in cases of maintenance and repair.

The 3LD3 switches can be used as follows:

- ON-OFF switches
- EMERGENCY-STOP switches

Design**Design of the contacts**

Each switch has three adjacent contact elements. A 4th leading contact for switching the N conductor, a continuous PE terminal, an auxiliary switch (1 NO + 1 NC) can be fitted to each side of the switch. The auxiliary switches operate as leading contacts on opening. On opening, the NO contact opens before the main contacts, so that a contactor carries the switching capacity in the circuit and the maintenance or safety switch switches at zero current. On closing, the auxiliary switch switches later than or at the same time as the main contacts.

Design of rotary operating mechanisms

The rotary operating mechanisms of the switches for front or floor mounting are mounted on control cabinet doors, or on front or side panels via center-hole mounting with a standard diameter of 22.5 mm and are operated from the outside. In their OFF position, they can be locked with 1 to 3 padlocks with a hasp thickness of 4 to 8 mm.

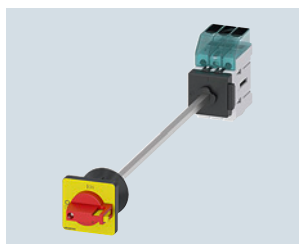
- Switch position indicator:
The switch position is clearly marked with direction arrows and an "O" for OFF and an "I" for ON at the front.
- Switches for front mounting:
The switches for front mounting are connected directly to the rotary operating mechanism through the fixing screws or – in the case of center-hole mounting – a special-purpose coupling.
- Switches for floor mounting:
The switches for floor mounting are snapped onto 35 mm standard mounting rails according to EN 60715 or screw-mounted on mounting plates. The actuators are connected to the lower section of the switch through a door coupling, which can be released in its zero position, and a 300 mm long switch shaft. When the control cabinet door is open, the switch can be protected against inadvertent operation by removing the switch shaft from the lower section of the switch. The overall depth can be adapted to individual requirements by adjusting the switch shaft length.
- Switches for distribution board mounting:
The switches for distribution board mounting are suited for operation in distribution boards and for switching inside control cabinets or distribution boards. They have cap and mounting dimensions to DIN 43880 and can be fitted under the same cover together with miniature circuit breakers. The selector switches can be locked in their OFF position with no more than one padlock with a hasp thickness of 4 to 6 mm.



3LD3050-0TK13 switch for front mounting with rotary operating mechanism



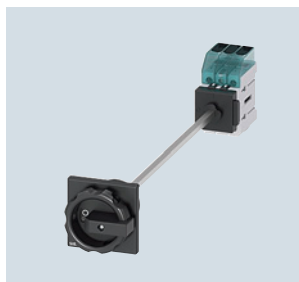
3LD3050-0TK11 switch for front mounting with knob



3LD3040-0TK13 switch for floor mounting with knob and door coupling



3LD3030-0TK11 switch for distribution board mounting with knob



3LD3048-0TK51 switch for floor mounting with rotary operating mechanism and door coupling

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD3 main control and EMERGENCY-STOP switches from 16 to 63 A > Introduction NEW

Technical specifications

Article number		3LD30...	3LD31...	3LD32...	3LD33...	3LD34...
Continuous current rated value	A	16	25	32	40	63
Insulation voltage rated value	V	690	690	690	690	690
Operational voltage for AC at 50/60 Hz, rated value	V	690	690	690	690	690
Operating frequency	Hz	50 ... 60	50 ... 60	50 ... 60	50 ... 60	50 ... 60
Impulse withstand voltage rated value	kV	6	6	6	6	6
Short-time withstand current (I_{cw}) / limited to 1 s, rated value	kA	500	500	500	1 000	1 000
Design of fuse link required for short-circuit protection of the main circuit		Fuse gL/gG: 16 A	Fuse gL/gG: 25 A	Fuse gL/gG: 32 A	Fuse gL/gG: 40 A	Fuse gL/gG: 63 A
Conditional short-circuit current with line-side fuse at 690 V via gG fuse, rated value	kA	6	6	6	6	6
Let-through current with closed switch at 690 V for combination switch + gG fuse, maximum permissible	kA	3	3.5	4.5	5	6
Operational power						
• At AC-3 at 240 V, rated value	kW	3	4	5.5	7.5	11
• At AC-3 at 440 V, rated value	kW	5.5	7.5	9.5	11.5	18.5
• At AC-3 at 400 V, rated value	kW	5.5	7.5	9.5	11.5	18.5
• At AC-3 at 690 V, rated value	kW	5.5	7.5	9.5	11.5	15
• At AC-23 A at 400 V, rated value	kW	7.5	9.5	11.5	18.5	22
• At AC-23 A at 690 V, rated value	kW	7.5	9	11.5	15	18.5
• At AC-23 A at 240 V, rated value	kW	3	4	6	7.5	11
• At AC-23 A at 440 V, rated value	kW	7.5	9	11.5	15	22
Typical power loss for each conductor	W	0.5	1.1	1.1	1.8	4.5
Typical mechanical endurance (operating cycles)		100 000				
Electrical endurance (operating cycles) at AC-23 A at 690 V at 50/60 Hz		6 000				
Ambient temperature						
• During operation		-25 ... +55				
• During storage		-25 ... +55				
Type of connectable conductor cross-sections						
• Solid for auxiliary contacts		2x (0.75 ... 2.5 mm ²), 1x 4 mm ²				
• Finely stranded with end sleeve for auxiliary contacts		2x (0.75 ... 1.5 mm ²), 1x 2.5 mm ²				
• Stranded for auxiliary contacts		2x (0.75 ... 2.5 mm ²), 1x 4 mm ²				
• Solid for copper conductors		1x (2.5 ... 16 mm ²)				
• Stranded for copper conductors		1x (2.5 ... 16 mm ²)				
• Finely stranded with end sleeve for copper conductors		1x (2.5 ... 16 mm ²)				
Design of electrical connection						
• For main circuit		Box terminal				
• For auxiliary contacts		Terminals				
Auxiliary switches						
Design of fuse link required for short-circuit protection of the auxiliary switch		Fuse gL/gG: 10 A				
Insulation voltage for the auxiliary switch, rated value	V	500				

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

NEW 3LD3 main control and EMERGENCY-STOP switches from 16 to 63 A > Front mounting

Selection and ordering data

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 400 V		Color of the operating mechanism	SD	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main contact elements	Auxiliary contact elements	P/AC-23A	I _N /AC-21A							
		kW	A	d						
Main control and EMERGENCY-STOP switches with direct operating mechanism (rotary operating mechanism)										
- Lockable in 0 position with up to 3 padlocks with a hasp thickness of 4 to 8 mm - Degree of protection at front side IP65 - All versions with rotary operating mechanism - Including terminal cover for the infeed side - Front plate 66 x 66 mm										
 3LD3054-1TK51	3	--	7.5	16	Black	3LD3054-0TK51		1	1 unit	1CL
		--	7.5	16	Red/yellow	3LD3054-0TK53		1	1 unit	1CL
		--	9.0	25	Black	3LD3154-0TK51		1	1 unit	1CL
		--	9.0	25	Red/yellow	3LD3154-0TK53		1	1 unit	1CL
		--	11.5	32	Black	3LD3254-0TK51		1	1 unit	1CL
		--	11.5	32	Red/yellow	3LD3254-0TK53		1	1 unit	1CL
		--	15.0	40	Black	3LD3354-0TK51		1	1 unit	1CL
		--	15.0	40	Red/yellow	3LD3354-0TK53		1	1 unit	1CL
		--	22.0	63	Black	3LD3454-0TK51		1	1 unit	1CL
		--	22.0	63	Red/yellow	3LD3454-0TK53		1	1 unit	1CL
 3LD3054-0TK53	1 NC + 1 NO	7.5	16	Black	3LD3054-1TK51		1	1 unit	1CL	
		7.5	16	Red/yellow	3LD3054-1TK53		1	1 unit	1CL	
		9.0	25	Black	3LD3154-1TK51		1	1 unit	1CL	
		9.0	25	Red/yellow	3LD3154-1TK53		1	1 unit	1CL	
		11.5	32	Black	3LD3254-1TK51		1	1 unit	1CL	
		11.5	32	Red/yellow	3LD3254-1TK53		1	1 unit	1CL	
		15.0	40	Black	3LD3354-1TK51		1	1 unit	1CL	
		15.0	40	Red/yellow	3LD3354-1TK53		1	1 unit	1CL	
		22.0	63	Black	3LD3454-1TK51		1	1 unit	1CL	
		22.0	63	Red/yellow	3LD3454-1TK53		1	1 unit	1CL	
 3LD3054-1TL51	3 + N	--	7.5	16	Black	3LD3054-0TL51		1	1 unit	1CL
		--	7.5	16	Red/yellow	3LD3054-0TL53		1	1 unit	1CL
		--	9.0	25	Black	3LD3154-0TL51		1	1 unit	1CL
		--	9.0	25	Red/yellow	3LD3154-0TL53		1	1 unit	1CL
		--	11.5	32	Black	3LD3254-0TL51		1	1 unit	1CL
		--	11.5	32	Red/yellow	3LD3254-0TL53		1	1 unit	1CL
		--	15.0	40	Black	3LD3354-0TL51		1	1 unit	1CL
		--	15.0	40	Red/yellow	3LD3354-0TL53		1	1 unit	1CL
		--	22.0	63	Black	3LD3454-0TL51		1	1 unit	1CL
		--	22.0	63	Red/yellow	3LD3454-0TL53		1	1 unit	1CL
 3LD3054-0TL53	1 NO + 1 NC	7.5	16	Black	3LD3054-1TL51		1	1 unit	1CL	
		7.5	16	Red/yellow	3LD3054-1TL53		1	1 unit	1CL	
		9.0	25	Black	3LD3154-1TL51		1	1 unit	1CL	
		9.0	25	Red/yellow	3LD3154-1TL53		1	1 unit	1CL	
		11.5	32	Black	3LD3254-1TL51		1	1 unit	1CL	
		11.5	32	Red/yellow	3LD3254-1TL53		1	1 unit	1CL	
		15.0	40	Black	3LD3354-1TL51		1	1 unit	1CL	
		15.0	40	Red/yellow	3LD3354-1TL53		1	1 unit	1CL	
		22.0	63	Black	3LD3454-1TL51		1	1 unit	1CL	
		22.0	63	Red/yellow	3LD3454-1TL53		1	1 unit	1CL	

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD3 main control and EMERGENCY-STOP switches from 16 to 63 A > Front mounting NEW

Number and version of the contacts		Rated data at 50 ... 60 Hz, 400 V		Size of front plate	Color of the operating mechanism	SD	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main contact elements	Auxiliary contact elements	P/AC-23A	I _u								
		kW	A	mm		d					
Main control and EMERGENCY-STOP switches with direct operating mechanism (knob-operated mechanism) • Lockable in 0 position (can be modified to I position) with max. 2 padlocks with a hasp thickness of 4 to 6 mm • Degree of protection at front side IP65 • Including terminal cover for the infeed side • Front plate: 48 x 48 mm or 66 x 66 mm											
Center-hole mounting Ø 22.5 mm											
 3LD3050-0TK11	3	--	7.5	16	48x48	Black	3LD3050-0TK11		1	1 unit	1CL
		--	7.5	16	48x48	Red/yellow	3LD3050-0TK13		1	1 unit	1CL
		--	9.0	25	48x48	Black	3LD3150-0TK11		1	1 unit	1CL
		--	9.0	25	48x48	Red/yellow	3LD3150-0TK13		1	1 unit	1CL
		--	9.0	25	66x66	Black	3LD3154-0TK51		1	1 unit	1CL
		--	9.0	25	66x66	Red/yellow	3LD3154-0TK53		1	1 unit	1CL
		--	11.5	32	48x48	Black	3LD3250-0TK11		1	1 unit	1CL
		--	11.5	32	48x48	Red/yellow	3LD3250-0TK13		1	1 unit	1CL
		--	15.0	40	48x48	Black	3LD3350-0TK11		1	1 unit	1CL
		--	15.0	40	48x48	Red/yellow	3LD3350-0TK13		1	1 unit	1CL
		--	15.0	40	66x66	Black	3LD3354-0TK51		1	1 unit	1CL
		--	15.0	40	66x66	Red/yellow	3LD3354-0TK53		1	1 unit	1CL
		--	22.0	63	48x48	Black	3LD3450-0TK11		1	1 unit	1CL
		--	22.0	63	48x48	Red/yellow	3LD3450-0TK13		1	1 unit	1CL
		--	22.0	63	66x66	Black	3LD3454-0TK51		1	1 unit	1CL
		--	22.0	63	66x66	Red/yellow	3LD3454-0TK53		1	1 unit	1CL
 3LD3050-0TK13	1 NO + 1 NC	7.5	16	48x48	Black	3LD3050-1TK11		1	1 unit	1CL	
		7.5	16	48x48	Red/yellow	3LD3050-1TK13		1	1 unit	1CL	
		9.0	25	48x48	Black	3LD3150-1TK11		1	1 unit	1CL	
		9.0	25	48x48	Red/yellow	3LD3150-1TK13		1	1 unit	1CL	
		9.0	25	66x66	Black	3LD3154-1TK51		1	1 unit	1CL	
		9.0	25	66x66	Red/yellow	3LD3154-1TK53		1	1 unit	1CL	
		11.5	32	48x48	Black	3LD3250-1TK11		1	1 unit	1CL	
		11.5	32	48x48	Red/yellow	3LD3250-1TK13		1	1 unit	1CL	
		15.0	40	48x48	Black	3LD3350-1TK11		1	1 unit	1CL	
		15.0	40	48x48	Red/yellow	3LD3350-1TK13		1	1 unit	1CL	
		15.0	40	66x66	Black	3LD3354-1TK51		1	1 unit	1CL	
		15.0	40	66x66	Red/yellow	3LD3354-1TK53		1	1 unit	1CL	
		22.0	63	48x48	Black	3LD3450-1TK11		1	1 unit	1CL	
		22.0	63	48x48	Red/yellow	3LD3450-1TK13		1	1 unit	1CL	
		22.0	63	66x66	Black	3LD3454-1TK51		1	1 unit	1CL	
		22.0	63	66x66	Red/yellow	3LD3454-1TK53		1	1 unit	1CL	

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

NEW 3LD3 main control and EMERGENCY-STOP switches from 16 to 63 A > Front mounting

	Number and version of the contacts		Rated data at 50 ... 60 Hz, 400 V		Size of front plate	Color of the operating mechanism	SD	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
	Main contact elements	Auxiliary contact elements	P/AC-23A	I _u								
			kW	A								
 3LD3050-0TL11	3+N	--	7.5	16	48x48	Black		3LD3050-0TL11		1	1 unit	1CL
		--	7.5	16	48x48	Red/yellow		3LD3050-0TL13		1	1 unit	1CL
		--	9.0	25	48x48	Black		3LD3150-0TL11		1	1 unit	1CL
		--	9.0	25	48x48	Red/yellow		3LD3150-0TL13		1	1 unit	1CL
		--	9.0	25	66x66	Black		3LD3154-0TL51		1	1 unit	1CL
		--	9.0	25	66x66	Red/yellow		3LD3154-0TL53		1	1 unit	1CL
		--	11.5	32	48x48	Black		3LD3250-0TL11		1	1 unit	1CL
		--	11.5	32	48x48	Red/yellow		3LD3250-0TL13		1	1 unit	1CL
		--	15.0	40	48x48	Black		3LD3350-0TL11		1	1 unit	1CL
		--	15.0	40	48x48	Red/yellow		3LD3350-0TL13		1	1 unit	1CL
		--	15.0	40	66x66	Black		3LD3354-0TL51		1	1 unit	1CL
		--	15.0	40	66x66	Red/yellow		3LD3354-0TL53		1	1 unit	1CL
		--	22.0	63	48x48	Black		3LD3450-0TL11		1	1 unit	1CL
		--	22.0	63	48x48	Red/yellow		3LD3450-0TL13		1	1 unit	1CL
		--	22.0	63	66x66	Black		3LD3454-0TL51		1	1 unit	1CL
		--	22.0	63	66x66	Red/yellow		3LD3454-0TL53		1	1 unit	1CL
 3LD3050-0TL13	1 NO + 1 NC		7.5	16	48x48	Black		3LD3050-1TL11		1	1 unit	1CL
			7.5	16	48x48	Red/yellow		3LD3050-1TL13		1	1 unit	1CL
			9.0	25	48x48	Black		3LD3150-1TL11		1	1 unit	1CL
			9.0	25	48x48	Red/yellow		3LD3150-1TL13		1	1 unit	1CL
			9.0	25	66x66	Black		3LD3154-1TL51		1	1 unit	1CL
			9.0	25	66x66	Red/yellow		3LD3154-1TL53		1	1 unit	1CL
			11.5	32	48x48	Black		3LD3250-1TL11		1	1 unit	1CL
			11.5	32	48x48	Red/yellow		3LD3250-1TL13		1	1 unit	1CL
			15.0	40	48x48	Black		3LD3350-1TL11		1	1 unit	1CL
			15.0	40	48x48	Red/yellow		3LD3350-1TL13		1	1 unit	1CL
			15.0	40	66x66	Black		3LD3354-1TL51		1	1 unit	1CL
			15.0	40	66x66	Red/yellow		3LD3354-1TL53		1	1 unit	1CL
			22.0	63	48x48	Black		3LD3450-1TL11		1	1 unit	1CL
			22.0	63	48x48	Red/yellow		3LD3450-1TL13		1	1 unit	1CL
			22.0	63	66x66	Black		3LD3454-1TL51		1	1 unit	1CL
			22.0	63	66x66	Red/yellow		3LD3454-1TL53		1	1 unit	1CL

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD3 main control and EMERGENCY-STOP switches from 16 to 63 A > Floor mounting NEW

Selection and ordering data

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V		Color of the operating mechanism	SD	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main contact elements	Auxiliary contact elements	P/AC-23A	I _N /AC-21A							
		kW	A	d						
Main control and EMERGENCY-STOP switches with door-coupling (rotary operating mechanism)										
• Lockable in 0 position with up to 3 padlocks with a hasp thickness of 4 to 8 mm • Degree of protection at front side IP65 • All versions with rotary operating mechanism • Including terminal cover for the infeed side • Front plate 66 x 66 mm										
Center-hole mounting Ø 22.5 mm										
 3LD3048-0TK51	3	--	7.5	16	Black	3LD3048-0TK51		1	1 unit	1CL
		--	7.5	16	Red/yellow	3LD3048-0TK53		1	1 unit	1CL
		--	9.0	25	Black	3LD3148-0TK51		1	1 unit	1CL
		--	9.0	25	Red/yellow	3LD3148-0TK53		1	1 unit	1CL
		--	11.5	32	Black	3LD3248-0TK51		1	1 unit	1CL
		--	11.5	32	Red/yellow	3LD3248-0TK53		1	1 unit	1CL
		--	15.0	40	Black	3LD3348-0TK51		1	1 unit	1CL
		--	15.0	40	Red/yellow	3LD3348-0TK53		1	1 unit	1CL
		--	22.0	63	Black	3LD3448-0TK51		1	1 unit	1CL
		--	22.0	63	Red/yellow	3LD3448-0TK53		1	1 unit	1CL
 3LD3048-0TK53	1 NO + 1 NC	7.5	16	Black	3LD3048-1TK51		1	1 unit	1CL	
		7.5	16	Red/yellow	3LD3048-1TK53		1	1 unit	1CL	
		9.0	25	Black	3LD3148-1TK51		1	1 unit	1CL	
		9.0	25	Red/yellow	3LD3148-1TK53		1	1 unit	1CL	
		11.5	32	Black	3LD3248-1TK51		1	1 unit	1CL	
		11.5	32	Red/yellow	3LD3248-1TK53		1	1 unit	1CL	
		15.0	40	Black	3LD3348-1TK51		1	1 unit	1CL	
		15.0	40	Red/yellow	3LD3348-1TK53		1	1 unit	1CL	
		22.0	63	Black	3LD3448-1TK51		1	1 unit	1CL	
		22.0	63	Red/yellow	3LD3448-1TK53		1	1 unit	1CL	
 3LD3050-0TL11	3 + N	--	7.5	16	Black	3LD3048-0TL51		1	1 unit	1CL
		--	7.5	16	Red/yellow	3LD3048-0TL53		1	1 unit	1CL
		--	9.0	25	Black	3LD3148-0TL51		1	1 unit	1CL
		--	9.0	25	Red/yellow	3LD3148-0TL53		1	1 unit	1CL
		--	11.5	32	Black	3LD3248-0TL51		1	1 unit	1CL
		--	11.5	32	Red/yellow	3LD3248-0TL53		1	1 unit	1CL
		--	15.0	40	Black	3LD3348-0TL51		1	1 unit	1CL
		--	15.0	40	Red/yellow	3LD3348-0TL53		1	1 unit	1CL
		--	22.0	63	Black	3LD3448-0TL51		1	1 unit	1CL
		--	22.0	63	Red/yellow	3LD3448-0TL53		1	1 unit	1CL
 3LD3048-0TL53	1 NO + 1 NC	7.5	16	Black	3LD3048-1TL51		1	1 unit	1CL	
		7.5	16	Red/yellow	3LD3048-1TL53		1	1 unit	1CL	
		9.0	25	Black	3LD3148-1TL51		1	1 unit	1CL	
		9.0	25	Red/yellow	3LD3148-1TL53		1	1 unit	1CL	
		11.5	32	Black	3LD3248-1TL51		1	1 unit	1CL	
		11.5	32	Red/yellow	3LD3248-1TL53		1	1 unit	1CL	
		15.0	40	Black	3LD3348-1TL51		1	1 unit	1CL	
		15.0	40	Red/yellow	3LD3348-1TL53		1	1 unit	1CL	
		22.0	63	Black	3LD3448-1TL51		1	1 unit	1CL	
		22.0	63	Red/yellow	3LD3448-1TL53		1	1 unit	1CL	

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

NEW 3LD3 main control and EMERGENCY-STOP switches from 16 to 63 A > Floor mounting

Number and version of the contacts		Rated data at 50 ... 60 Hz, 400 V		Color of the operating mechanism	SD	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main contact elements	Auxiliary contact elements	P/AC-23A	I _N /AC-21A							
		kW	A		d					
Main control and EMERGENCY-STOP switches with door-coupling (knob-operated mechanism) • Lockable in 0 position with up to 2 padlocks with a hasp thickness of 4 to 6 mm • Degree of protection at front side IP65 • All versions with rotary operating mechanism • Including terminal cover for the infeed side • Front plate 48 x 48 mm										
Center-hole mounting Ø 22.5 mm										
 3LD3048-0TK51	3	--	7.5	16	Black	3LD3040-0TK11		1	1 unit	1CL
		--	7.5	16	Red/yellow	3LD3040-0TK13		1	1 unit	1CL
		--	9.0	25	Black	3LD3140-0TK11		1	1 unit	1CL
		--	9.0	25	Red/yellow	3LD3140-0TK13		1	1 unit	1CL
		--	11.5	32	Black	3LD3240-0TK11		1	1 unit	1CL
		--	11.5	32	Red/yellow	3LD3240-0TK13		1	1 unit	1CL
		--	15.0	40	Black	3LD3340-0TK11		1	1 unit	1CL
		--	15.0	40	Red/yellow	3LD3340-0TK13		1	1 unit	1CL
		--	22.0	63	Black	3LD3440-0TK11		1	1 unit	1CL
		--	22.0	63	Red/yellow	3LD3440-0TK13		1	1 unit	1CL
	1 NO + 1 NC	7.5	16	Black	3LD3040-1TK11			1	1 unit	1CL
		7.5	16	Red/yellow	3LD3040-1TK13			1	1 unit	1CL
		9.0	25	Black	3LD3140-1TK11			1	1 unit	1CL
		9.0	25	Red/yellow	3LD3140-1TK13			1	1 unit	1CL
 3LD3048-0TK53			11.5	32	Black	3LD3240-1TK11		1	1 unit	1CL
			11.5	32	Red/yellow	3LD3240-1TK13		1	1 unit	1CL
			15.0	40	Black	3LD3340-1TK11		1	1 unit	1CL
			15.0	40	Red/yellow	3LD3340-1TK13		1	1 unit	1CL
			22.0	63	Black	3LD3440-1TK11		1	1 unit	1CL
			22.0	63	Red/yellow	3LD3440-1TK13		1	1 unit	1CL
 3LD3040-0TL11	3 + N	--	7.5	16	Black	3LD3040-0TL11		1	1 unit	1CL
		--	7.5	16	Red/yellow	3LD3040-0TL13		1	1 unit	1CL
		--	9.0	25	Black	3LD3140-0TL11		1	1 unit	1CL
		--	9.0	25	Red/yellow	3LD3140-0TL13		1	1 unit	1CL
		--	11.5	32	Black	3LD3240-0TL11		1	1 unit	1CL
		--	11.5	32	Red/yellow	3LD3240-0TL13		1	1 unit	1CL
		--	15.0	40	Black	3LD3340-0TL11		1	1 unit	1CL
		--	15.0	40	Red/yellow	3LD3340-0TL13		1	1 unit	1CL
		--	22.0	63	Black	3LD3440-0TL11		1	1 unit	1CL
		--	22.0	63	Red/yellow	3LD3440-0TL13		1	1 unit	1CL
	1 NO + 1 NC	7.5	16	Black	3LD3040-1TL11			1	1 unit	1CL
		7.5	16	Red/yellow	3LD3040-1TL13			1	1 unit	1CL
		9.0	25	Black	3LD3140-1TL11			1	1 unit	1CL
		9.0	25	Red/yellow	3LD3140-1TL13			1	1 unit	1CL
 3LD3040-0TL13			11.5	32	Black	3LD3240-1TL11		1	1 unit	1CL
			11.5	32	Red/yellow	3LD3240-1TL13		1	1 unit	1CL
			15.0	40	Black	3LD3340-1TL11		1	1 unit	1CL
			15.0	40	Red/yellow	3LD3340-1TL13		1	1 unit	1CL
			22.0	63	Black	3LD3440-1TL11		1	1 unit	1CL
			22.0	63	Red/yellow	3LD3440-1TL13		1	1 unit	1CL

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD3 main control and EMERGENCY-STOP switches from 16 to 63 A > Distribution board mounting NEW

Selection and ordering data

Number and version of the contacts		Rated data at 50 ... 60 Hz, 400 V		Color of the operating mechanism	SD	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main contact elements	Auxiliary contact elements	P/AC-23A	I_u		d					
		kW	A							
ON/OFF and EMERGENCY-STOP switches, basic switch, with masking plate and selector knob • With screw fixing • With snap-on mounting on 35 mm standard mounting rail • Lockable in 0 position with up to 2 padlocks with a hasp thickness of 4 to 6 mm • Degree of protection at front side IP40 • Including terminal cover for the infeed side										
Distribution board mounting, standard rail mounting										
 3LD3030-0TK11	3	--	7.5	16	Black	3LD3030-0TK11		1	1 unit	1CL
		--	7.5	16	Red/yellow	3LD3030-0TK13		1	1 unit	1CL
		--	9.0	25	Black	3LD3130-0TK11		1	1 unit	1CL
		--	9.0	25	Red/yellow	3LD3130-0TK13		1	1 unit	1CL
		--	11.5	32	Black	3LD3230-0TK11		1	1 unit	1CL
		--	11.5	32	Red/yellow	3LD3230-0TK13		1	1 unit	1CL
		--	15.0	40	Black	3LD3330-0TK11		1	1 unit	1CL
		--	15.0	40	Red/yellow	3LD3330-0TK13		1	1 unit	1CL
		--	22.0	63	Black	3LD3430-0TK11		1	1 unit	1CL
		--	22.0	63	Red/yellow	3LD3430-0TK13		1	1 unit	1CL
		1 NO + 1 NC	7.5	16	Black	3LD3030-1TK11		1	1 unit	1CL
			7.5	16	Red/yellow	3LD3030-1TK13		1	1 unit	1CL
			9.0	25	Black	3LD3130-1TK11		1	1 unit	1CL
			9.0	25	Red/yellow	3LD3130-1TK13		1	1 unit	1CL
			11.5	32	Black	3LD3230-1TK11		1	1 unit	1CL
			11.5	32	Red/yellow	3LD3230-1TK13		1	1 unit	1CL
 3LD3030-0TK13	3	--	7.5	16	Black	3LD3030-0TK11		1	1 unit	1CL
		--	7.5	16	Red/yellow	3LD3030-0TK13		1	1 unit	1CL
		--	9.0	25	Black	3LD3130-0TK11		1	1 unit	1CL
		--	9.0	25	Red/yellow	3LD3130-0TK13		1	1 unit	1CL
		--	11.5	32	Black	3LD3230-0TK11		1	1 unit	1CL
		--	11.5	32	Red/yellow	3LD3230-0TK13		1	1 unit	1CL
		--	15.0	40	Black	3LD3330-0TK11		1	1 unit	1CL
		--	15.0	40	Red/yellow	3LD3330-0TK13		1	1 unit	1CL
		--	22.0	63	Black	3LD3430-0TK11		1	1 unit	1CL
		--	22.0	63	Red/yellow	3LD3430-0TK13		1	1 unit	1CL
		1 NO + 1 NC	7.5	16	Black	3LD3030-1TK11		1	1 unit	1CL
			7.5	16	Red/yellow	3LD3030-1TK13		1	1 unit	1CL
			9.0	25	Black	3LD3130-1TK11		1	1 unit	1CL
			9.0	25	Red/yellow	3LD3130-1TK13		1	1 unit	1CL
			11.5	32	Black	3LD3230-1TK11		1	1 unit	1CL
			11.5	32	Red/yellow	3LD3230-1TK13		1	1 unit	1CL
 3LD3040-0TL11	3 + N	--	7.5	16	Black	3LD3030-0TL11		1	1 unit	1CL
		--	7.5	16	Red/yellow	3LD3030-0TL13		1	1 unit	1CL
		--	9.0	25	Black	3LD3130-0TL11		1	1 unit	1CL
		--	9.0	25	Red/yellow	3LD3130-0TL13		1	1 unit	1CL
		--	11.5	32	Black	3LD3230-0TL11		1	1 unit	1CL
		--	11.5	32	Red/yellow	3LD3230-0TL13		1	1 unit	1CL
		--	15.0	40	Black	3LD3330-0TL11		1	1 unit	1CL
		--	15.0	40	Red/yellow	3LD3330-0TL13		1	1 unit	1CL
		--	22.0	63	Black	3LD3430-0TL11		1	1 unit	1CL
		--	22.0	63	Red/yellow	3LD3430-0TL13		1	1 unit	1CL
		1 NO + 1 NC	7.5	16	Black	3LD3030-1TL11		1	1 unit	1CL
			7.5	16	Red/yellow	3LD3030-1TL13		1	1 unit	1CL
			9.0	25	Black	3LD3130-1TL11		1	1 unit	1CL
			9.0	25	Red/yellow	3LD3130-1TL13		1	1 unit	1CL
			11.5	32	Black	3LD3230-1TL11		1	1 unit	1CL
			11.5	32	Red/yellow	3LD3230-1TL13		1	1 unit	1CL
 3LD3040-0TL13	3 + N	--	15.0	40	Black	3LD3330-1TL11		1	1 unit	1CL
		--	15.0	40	Red/yellow	3LD3330-1TL13		1	1 unit	1CL
		--	22.0	63	Black	3LD3430-1TL11		1	1 unit	1CL
		--	22.0	63	Red/yellow	3LD3430-1TL13		1	1 unit	1CL

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

NEW 3LD3 main control and EMERGENCY-STOP switches from 16 to 63 A > Distribution board mounting

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V		SD	Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main contact elements	Auxiliary contact elements	P/ AC-23A kW	I _u / AC-21A A	d					
Main control and EMERGENCY-STOP switches, basic switch without knob-operated mechanism - Degree of protection at front side IP20 - Including terminal cover for the infeed side - Front plate									
Center-hole mounting Ø 22.5 mm									
 3LD3010-0TK05	3	--	7.5	16	3LD3010-0TK05		1	1 unit	1CL
		--	9.0	25	3LD3110-0TK05		1	1 unit	1CL
		--	11.5	32	3LD3210-0TK05		1	1 unit	1CL
		--	15.0	40	3LD3310-0TK05		1	1 unit	1CL
		--	22.0	63	3LD3410-0TK05		1	1 unit	1CL
	1 NO + 1 NC	7.5	16		3LD3010-1TK05		1	1 unit	1CL
		9.0	25		3LD3110-1TK05		1	1 unit	1CL
		11.5	32		3LD3210-1TK05		1	1 unit	1CL
		15.0	40		3LD3310-1TK05		1	1 unit	1CL
		22.0	63		3LD3410-1TK05		1	1 unit	1CL
	 3LD3010-0TL05	7.5	16		3LD3010-0TL05		1	1 unit	1CL
		9.0	25		3LD3110-0TL05		1	1 unit	1CL
		11.5	32		3LD3210-0TL05		1	1 unit	1CL
		15.0	40		3LD3310-0TL05		1	1 unit	1CL
		22.0	63		3LD3410-0TL05		1	1 unit	1CL
		7.5	16		3LD3010-1TL05		1	1 unit	1CL
		9.0	25		3LD3110-1TL05		1	1 unit	1CL
		11.5	32		3LD3210-1TL05		1	1 unit	1CL
		15.0	40		3LD3310-1TL05		1	1 unit	1CL
		22.0	63		3LD3410-1TL05		1	1 unit	1CL

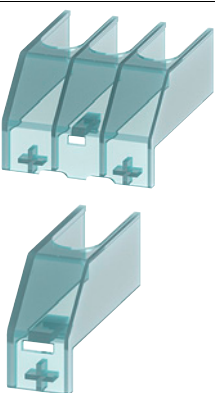
Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD3 main control and EMERGENCY-STOP switches from 16 to 63 A > Accessories **NEW**

Selection and ordering data

	Accessory part	Version	SD	Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
			d					
 3LD9340-0B (left) 3LD9340-0C (right)	N switching contacts	• Front mounting, leading • Floor mounting, leading		3LD9340-0B		1	1 unit	1CL
				3LD9340-0C		1	1 unit	1CL
 3LD9340-2B (left) 3LD9340-2C (right)	N terminals	• Front mounting, through-type • Floor mounting, through-type		3LD9340-2B		1	1 unit	1CL
				3LD9340-2C		1	1 unit	1CL
 3LD9340-3B (left) 3LD9340-3C (right)	PE terminals	• Front mounting, through-type • Floor mounting, through-type		3LD9340-3B		1	1 unit	1CL
				3LD9340-3C		1	1 unit	1CL
 3LD9340-6B (left) 3LD9340-6C (right)	Auxiliary switches	• Front mounting, 1 NO + 1 NC • Floor mounting, 1 NO + 1 NC		3LD9340-6B		1	1 unit	1CL
				3LD9340-6C		1	1 unit	1CL
	Terminal covers	For 3LD3 3-pole switch disconnectors		3LD9341-0A		1	4 units	1CL
		For switch disconnectors with fourth pole		3LD9341-2A		1	4 units	1CL

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

NEW 3LD3 main control and EMERGENCY-STOP switches from 16 to 63 A > Accessories

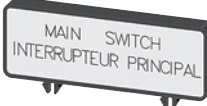
Accessory part	Version	SD	Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
	Black Center-hole mounting 22.5 mm, front mounting with 66 x 66 mm masking plate, floor mounting for 3LD3.40 and 3LD3.48 For 6 x 6 mm shaft	d	3LD9344-2C		1	1 unit	1CL
	Red/yellow Center-hole mounting 22.5 mm, front mounting with 66 x 66 mm masking plate, floor mounting for 3LD3.40 and 3LD3.48 For 6 x 6 mm shaft		3LD9344-3C		1	1 unit	1CL
	Black Center-hole mounting 22.5 mm, front mounting for 3LD3.50 For 6 x 6 mm shaft		3LD9344-4C		1	1 unit	1CL
	Red/yellow Center-hole mounting 22.5 mm, front mounting for 3LD3.50 For 6 x 6 mm shaft		3LD9344-5C		1	1 unit	1CL
	Black, front mounting 48 x 48 mm, with coupling element		3LD9343-4C		1	1 unit	1CL
	Red/yellow, front mounting 48 x 48 mm, with coupling element		3LD9343-5C		1	1 unit	1CL
	Black, front mounting 48 x 48 mm, for shaft		3LD9343-6C		1	1 unit	1CL
	Red/yellow, front mounting 48 x 48 mm, for shaft		3LD9343-7C		1	1 unit	1CL

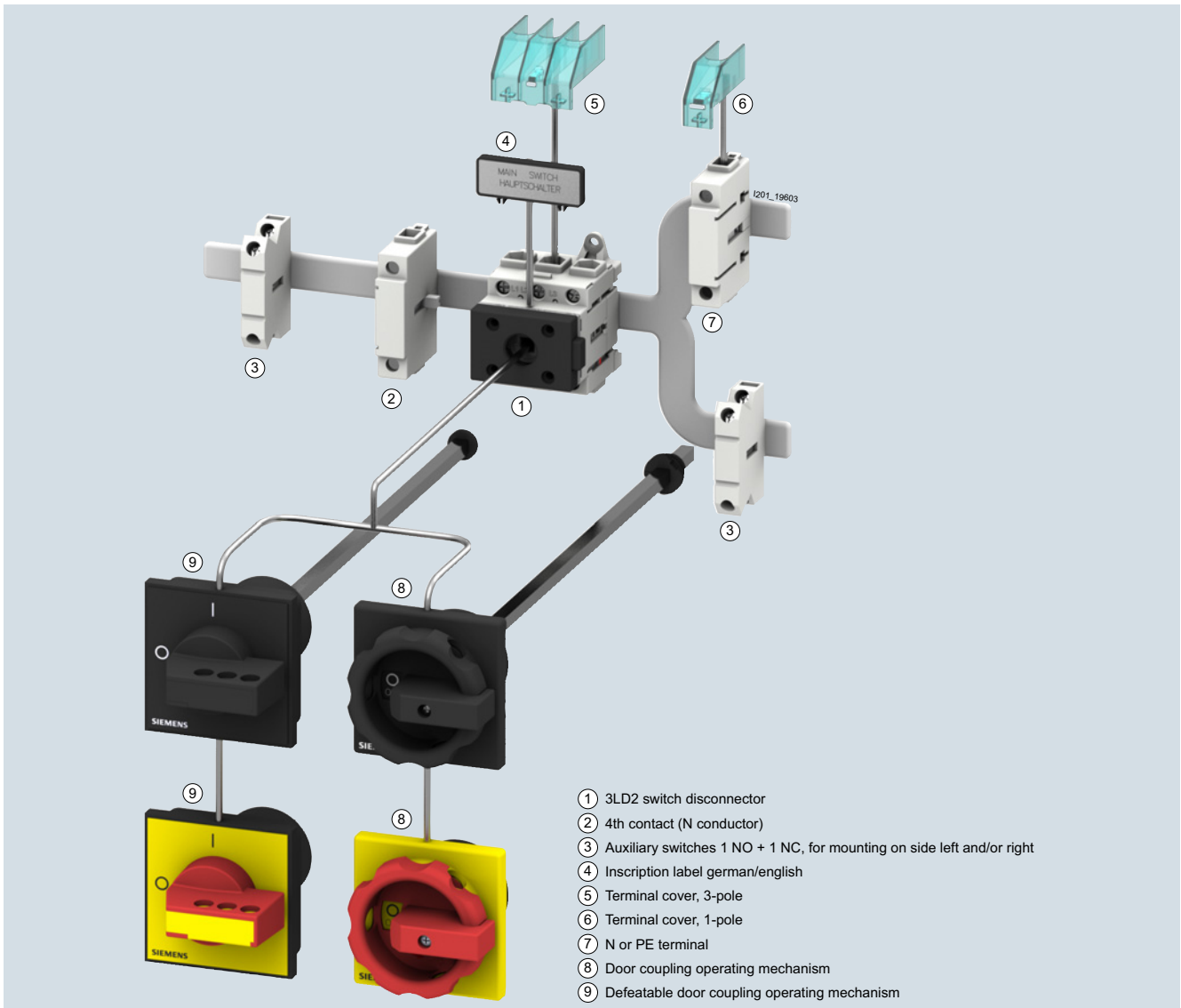
Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD3 main control and EMERGENCY-STOP switches from 16 to 63 A > Accessories NEW

	Accessory part	Version	SD	Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
   	Door-coupling operating mechanisms	Red/yellow, knob-operated mechanism 48 x 48 mm, front mounting, with coupling element and shaft	d	3LD9343-5CA		1	1 unit	1CL
		Black, knob-operated mechanism 48 x 48 mm, front mounting, with coupling element and shaft		3LD9343-4CA		1	1 unit	1CL
		Red/yellow, rotary operating mechanism 66 x 66 mm, front mounting, with coupling element and shaft		3LD9344-3CA		1	1 unit	1CL
		Black, rotary operating mechanism 66 x 66 mm, front mounting, with coupling element and shaft		3LD9344-2CA		1	1 unit	1CL
  	Additional labels	German/English, "Hauptschalter/Main Switch" (10 units in package)		3LD9346-1A		1	10 units	1CL
		English/French "Main Switch/Interrupteur principal" (10 units in package)		3LD9346-2A		1	10 units	1CL
		Without inscription (10 units in package)		3LD9346-3A		1	10 units	1CL

Overview

The 3LD2 main control and EMERGENCY-STOP switches are manually operated switch disconnectors according to IEC 60947-3/VDE 0660 Part 107 (EN 60947-3) and comply with the conditions for switch disconnectors. In EN 60204-1 (VDE 0113 Part 1), these are called "disconnector units", while EMERGENCY-STOP switches are termed "devices for emergency shutdown".

The 3LD2 switches for 16 to 250 A are approved according to UL 508 and can be used as "manual motor controllers" and "motor disconnects". In addition, the 3LD switch disconnectors have CCC certification.

The 3LD2 main control and EMERGENCY-STOP switches are suitable for a current range from 16 to 250 A. These are suitable for main control, EMERGENCY-STOP, or repair switches and thus fulfill a wide range of requirements.

They are approved in line with IEC, UL, EAC, CSA, and CCC, as well as for use in shipbuilding.

Versions

- Five sizes with box terminal in 3, 4, and 6-pole version
- Front-mounting and floor mounting or distribution board mounting
- Front mounting by means of four-hole or center-hole mounting
- Switches in molded-plastic enclosure with degree of protection IP65
- DC isolators 800 V DC for PV installations
- Door-coupling rotary operating mechanism for operation of switch disconnector outside the control cabinet door
- Auxiliary switches for querying the switch positions, pre-installed or retrofittable

Benefits

- Compact design saves space
- High rated short-circuit currents
- Locking capability during maintenance work
- Comprehensive range of retrofittable accessories
- Comprehensive support through provision of CAx data

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Introduction

Application

The 3LD2 switches are used in almost all power distribution systems for industry and infrastructure, but particularly those in main and auxiliary power distribution systems of commercial buildings and in domestic power supplies upstream of meters (e.g., SIPRO system).

Particularly for processing machines in mechanical and conveyor system engineering and in the chemical or food and beverage industries, these switches are now an essential part of

the hardware architecture as main control and EMERGENCY-STOP switches.

The 3LD2 switches can be used as:

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

Design

Design of the contacts

Each switch has three adjacent contact elements¹⁾. A fourth leading contact element for switching the N conductor, a continuous PE terminal, an auxiliary switch (1 NO + 1 NC) can be fitted to each side of the switch. The auxiliary switches operate as leading contacts on opening. On opening, the NO contact opens before the main contacts, so that a contactor carries the switching power in the circuit and the maintenance or safety switch switches at zero current. On closing, the auxiliary switch switches later than or at the same time as the main contacts.

Design of rotary operating mechanisms

The rotary operating mechanisms of the switches for front or floor mounting are mounted on control cabinet doors, or on front or side panels with four-hole or center-hole mounting with a standard diameter of 22.5 mm and are operated from the outside. In their OFF position, they can be locked with up to three padlocks with a hasp thickness of 4 to 8 mm. Switching devices with defeatable door-coupling rotary operating mechanism are available in addition.

- Switch position indicator:
The switch position is clearly marked with direction arrows and an "O" for OFF and a "I" for ON at the front.
- Switches for front mounting:
The switches for front mounting are connected directly to the rotary operating mechanism through the fixing screws or – in the case of center-hole mounting – a special-purpose coupling.
- Switches for floor mounting:
The switches for floor mounting are snapped onto 35 mm standard mounting rails according to EN 60715 or screw-mounted on mounting plates. The actuators are connected to the lower section of the switch through a door coupling, which can be released in its zero position, and a 300 mm long switch shaft. When the control cabinet door is open, the switch can be protected against inadvertent operation by removing the switch shaft from the lower section of the switch. The overall depth can be adapted to individual requirements by adjusting the switch shaft length.
- Switches for distribution board mounting:
The switches for distribution board mounting are suited for operation in distribution boards and for switching inside control cabinets or distribution boards. They have cap and mounting dimensions 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 up to 2 padlocks with a hasp thickness of 4 to 6 mm.
- Switches in molded-plastic enclosure:
For surface mounting of individual main control and EMERGENCY-STOP switches, molded plastic-enclosed switches to degree of protection IP65 are used. The actuators can be locked in their OFF position with three padlocks with a hasp thickness of 4 to 8 mm. The molded-plastic enclosures each contain an N and/or a PE terminal.

¹⁾ 16 A versions have four contact elements; 3-pole transfer switches, see chapter "Transfer Switching Equipment and Load Transfer Switches" and six 6-pole contact elements.



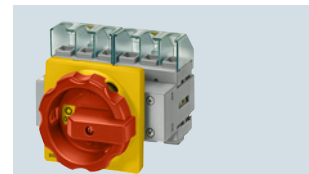
3LD2704-0TK53 switch for front mounting with rotary operating mechanism



3LD2222-0TK1 switch for front mounting with knob



3LD2122-7UK01 3-pole transfer switch for front mounting with knob, see chapter "Transfer Switching Equipment and Load Transfer Switches"



3LD2103-3VK53 6-pole switch for front mounting with rotary operating mechanism



3LD2144-0TK53 switch for floor mounting with rotary operating mechanism and door coupling



3LD2530-0TK11 switch for distribution board mounting with knob



3LD2264-0TB5 switch in molded-plastic enclosure



3LD2217-1TL13 switch for floor mounting with rotary operating mechanism and defeatable door coupling



3LD2265-8VQ51-0AF6 DC isolator



3LD2418-0TK13 switch for floor mounting, 250 A, with rotary operating mechanism and door coupling

Technical specifications

Standards		DIN VDE 0660, IEC 60947									
Switches		Type	3LD20	3LD21	3LD22	3LD25	3LD27	3LD28	3LD23	3LD24	
Rated insulation voltage U_i		V	690								
Rated operational voltage U_e		V AC	690								
Rated frequency		Hz	50 ... 60								
Rated impulse withstand voltage U_{imp}		kV	6	6	6	6	6	6	6	6	
Rated short-time withstand current (1 s current, rms value)		A	340	640	640	1260	2000	2000	4000	4000	
Short-circuit protection, max. back-up fuse (gL)		A	20	25	40	63	100	125	160	250	
Rated conditional short-circuit current with upstream fuses at AC 50/60 Hz, 690 V		kA _{rms}	50	50	50	50	50	20	50	50	
Maximum permissible let-through I^2t value		kA ² s	2.5	4	9	21	64	104	185	557	
Permissible let-through current of the fuse		kA	3	3.5	4.5	6	10	10	15	15	
Rated uninterrupted current I_u		A	16	25	32	63	100	125	160	250	
AC-21A load-break switch	Rated operational current I_e	A	16	25	32	63	100	125	160	250	
AC-3 motor load switches	Rated operational power										
Operational switching	At 220 ... 240 V	kW	3.0	4.0	5.5	11.0	18.5	22.0	35.0	55.0	
of individual motors	At 380 ... 440 V	kW	5.5	7.5	9.5	18.5	30.0	37.0	50.0	110.0	
	At 660/690 V	kW	5.5	7.5	9.5	15.0	22.0	30.0	37.0	45.0	
AC-23A main control switch	Rated operational power										
Repair switch	At 220 ... 240 V	kW	4.0	5.0	6.0	11.0	18.5	22.0	45.0	75.0	
frequent, but not operational switching	At 380 ... 440 V	kW	7.5	9.5	11.5	22.0	37.0	45.0	75.0	132.0	
of individual motors	At 660/690 V	kW	7.5	9.5	11.5	18.5	30.0	37.0	45.0	55.0	
Power loss per current path at I_e		W	0.5	1.1	1.8	4.5	7.5	12.0	36.0	36.0	
Endurance mechanical		Operating cycles	100 000								
Switching frequency		1/h	50								
Permissible ambient temperature		°C	-25 ... +55								
Isolating features		Up to max.	V	690							
Conductor cross-sections for main conductors ¹⁾											
Solid or stranded		mm ²	1 ... 6	1.5 ... 16	1.5 ... 16	2.5 ... 35	4 ... 50	4 ... 50	16 ... 185	16 ... 185	
Finely stranded with end sleeve (max.)		mm ²	4	10	10	16	35	35	150	150	
Conductor cross-sections	Copper cable	AWG	18 ... 10	14 ... 8	14 ... 8	14 ... 6	12 ... 1	12 ... 1			
Torque for terminal		Nm	1.5 ... 2	2 ... 2.5	2 ... 2.5	2.5 ... 3	2.5 ... 3	2.5 ... 3	9.5 ... 10	9.5 ... 10	
Touch protection according to EN 50274		Yes									
Auxiliary switches											
Rated insulation voltage U_i		V	500								
Rated operational voltage U_e		V AC	500								
Rated uninterrupted current I_u		A	10								
Rated operational current I_e , AC-15		A	6								
	At 120 V	A	3								
	At 220 ... 240 V	A	1.8								
	At 380 ... 415 V	A	1.4								
	At 500 V	A									
Short-circuit protection, aux. switch, max. back-up fuse (gL/gG)		A	10								
Conductor cross-sections for auxiliary conductors											
Connection type			Screw terminals								
Solid or stranded		mm ²	2 × (0.75 ... 2.5), 1 × 4								
Finely stranded with end sleeve		mm ²	2 × (0.75 ... 1.5), 1 × 2.5								
Torque for terminal		Nm	0.8								

¹⁾ Depending on the cable infeed, only small cross-sections are possible with devices in molded-plastic enclosures.

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Introduction

3LD switches for UL/CSA as "manual motor controllers" ¹⁾

Standards		UL/CSA								
Switches		Type	3LD20	3LD21	3LD22	3LD25	3LD27	3LD28	3LD23	3LD24
Rated operational voltage U_e		V AC	600	600	600	600	600	600	600	600
Rated uninterrupted current I_u		A	10	20	30	60	100	125	160	250
	Current rating		A 600	A 600	A 600	--	--	--	--	--
	Pilot duty		P 600	P 600	P 600	--	--	--	--	--
Conventional thermal current I_{th}		A	16	25	32	63	100	125	160	250
Maximum rated power (AC-3)	3 ~ 120 V	HP	1	3	3	5	10	15	--	--
Alternating current motors 40 ... 60 Hz	240 V	HP	3	7.5	10 (7.5) ²⁾	15	30	40	40	50
(HP = PS)	480 V	HP	7.5	10	20 (15) ²⁾	40	60	75	75	100
	600 V	HP	10	15	30 (20) ²⁾	50	75	100	75	75
	1 ~ 120 V	HP	0.5	2	2	3	--	--	--	--
	240 V	HP	1.5	3	3	10	--	--	--	--
Conductor cross-sections	Cu cable	AWG	18 ... 10	14 ... 8	14 ... 8	14 ... 6	12 ... 1	12 ... 1	1 ... MCM	400
Torque		Nm	1.5 ... 2	2 ... 2.5	2 ... 2.5	2.5 ... 3	2.5 ... 3	2.5 ... 3	10	10

¹⁾ The 3LD switches for UL/CSA are approved in accordance with UL/CSA as "manual motor controllers", and they can be used as repair switches in the molded-plastic enclosure, for example. However, they do not have UL approval.

²⁾ Values in brackets apply to devices in molded-plastic enclosure.

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Front mounting

Selection and ordering data

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V		SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main contact elements	Auxiliary contact elements	P/AC-3	P/AC-23A	I_n /AC-21A	www.siemens.com/product?ArticleNo.				
		kW	kW	A	d				
Main control and EMERGENCY-STOP switches with rotary operating mechanism/knob-operated mechanism - Lockable in 0 position with up to 3 padlocks: 3LD20 to 3LD28: Hasp thickness from 4 to 8 mm 3LD23 and 3LD24: Hasp thickness from 4 to 6 mm - Degree of protection at front side IP65 - All versions with rotary operating mechanism, exception: 3LD23, 3LD24 with knob-operated mechanism - Including terminal cover for the infeed side - Front plate: 3LD20, 3LD21, 3LD22: 67 x 67 mm 3LD25 to 3LD28: 90 x 90 mm 3LD23 to 3LD24: 96 x 96 mm									
Four-hole mounting									
	3	--	5.5	7.5	16	3LD2003-0TK5□	1	1 unit	1CL
			7.5	9.5	25	3LD2103-0TK5□	1	1 unit	1CL
			9.5	11.5	32	3LD2203-0TK5□	1	1 unit	1CL
			18.5	22.0	63	3LD2504-0TK5□	1	1 unit	1CL
			30	37.0	100	3LD2704-0TK5□	1	1 unit	1CL
			37	45.0	125	3LD2804-0TK5□	1	1 unit	1CL
			50	75.0	160	3LD2305-0TK1□	1	1 unit	1CL
			110	132.0	250	3LD2405-0TK1□	1	1 unit	1CL
	3 + N	--	5.5	7.5	16	3LD2003-1TL5□	1	1 unit	1CL
			7.5	9.5	25	3LD2103-1TL5□	1	1 unit	1CL
			9.5	11.5	32	3LD2203-1TL5□	1	1 unit	1CL
			18.5	22.0	63	3LD2504-1TL5□	1	1 unit	1CL
			30.0	37.0	100	3LD2704-0TK5□ + ¹⁾	1	1 unit	1CL
						3LD9280-0B	1	1 unit	1CL
			37.0	45.0	125	3LD2804-0TK5□ + ¹⁾	1	1 unit	1CL
						3LD9280-0B	1	1 unit	1CL
			50	75.0	160	3LD2305-1TL1□	1	1 unit	1CL
			110	132.0	250	3LD2405-1TL1□	1	1 unit	1CL
	3	1 NO + 1 NC	5.5	7.5	16	3LD2003-1TP5□	1	1 unit	1CL
			7.5	9.5	25	3LD2103-1TP5□	1	1 unit	1CL
			9.5	11.5	32	3LD2203-1TP5□	1	1 unit	1CL
			18.5	22.0	63	3LD2504-1TP5□	1	1 unit	1CL
			30.0	37.0	100	3LD2704-1TP5□	1	1 unit	1CL
			37	45.0	125	3LD2804-1TP5□	1	1 unit	1CL
			50.0	75.0	160	3LD2305-0TK1□ + ²⁾	1	1 unit	1CL
						3LD9200-5B	1	1 unit	1CL
			110.0	132.0	250	3LD2405-0TK1□ + ²⁾	1	1 unit	1CL
						3LD9200-5B	1	1 unit	1CL
	3 + N	1 NO + 1 NC	5.5	7.5	16	3LD2003-2EP5□	1	1 unit	1CL
			7.5	9.5	25	3LD2103-2EP5□	1	1 unit	1CL
			9.5	11.5	32	3LD2203-1TL5□ + ²⁾	1	1 unit	1CL
						3LD9200-5B	1	1 unit	1CL
			18.5	22.0	63	3LD2504-1TP5□ + ¹⁾	1	1 unit	1CL
						3LD9250-0BA	1	1 unit	1CL
			30.0	37.0	100	3LD2704-0TK5□ + ¹⁾	1	1 unit	1CL
						3LD9280-0B + ²⁾	1	1 unit	1CL
						3LD9200-5B	1	1 unit	1CL
			37.0	45.0	125	3LD2804-0TK5□ + ¹⁾	1	1 unit	1CL
						3LD9280-0B + ²⁾	1	1 unit	1CL
						3LD9200-5B	1	1 unit	1CL
			50.0	75.0	160	3LD2305-1TL1□ + ²⁾	1	1 unit	1CL
						3LD9200-5B	1	1 unit	1CL
			110.0	132.0	250	3LD2405-1TL1□ + ²⁾	1	1 unit	1CL
						3LD9200-5B	1	1 unit	1CL

¹⁾ 4th contact element as N conductor ordered separately, see page 7/41, Accessories.

²⁾ Auxiliary switches 1 NO + 1 NC to be ordered separately, see page 7/41, Accessories.

Actuator color

Black

Red/yellow (EMERGENCY-STOP)

1
3

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Front mounting

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V			SD	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main contact elements	Auxiliary contact elements	P/AC-3	P/AC-23A	I _N /AC-21A						
		kW	kW	A	d					
Main control and EMERGENCY-STOP switches with direct operating mechanism (rotary operating mechanism) - Lockable in 0 position with up to 3 padlocks with a hasp thickness of 4 to 8 mm - Degree of protection at front side IP65 - All versions with rotary operating mechanism - Including terminal cover for the infeed side - Front plate 3LD20, 3LD21, 3LD22: 67 x 67 mm 3LD25: 90 x 90 mm										

Center-hole mounting Ø 22.5 mm



3LD2254-0TK53

3	--		5.5	7.5	16	3LD2054-0TK5□	1	1 unit	1CL
			7.5	9.5	25	3LD2154-0TK5□	1	1 unit	1CL
			9.5	11.5	32	3LD2254-0TK5□	1	1 unit	1CL
			18.5	22	63	3LD2555-0TK5□	1	1 unit	1CL
3 + N	--		5.5	7.5	16	3LD2054-1TL5□	1	1 unit	1CL
			7.5	9.5	25	3LD2154-1TL5□	1	1 unit	1CL
			9.5	11.5	32	3LD2254-1TL5□	1	1 unit	1CL
			18.5	22	63	3LD2555-0TK5□ + ¹⁾	1	1 unit	1CL
3	1 NO + 1 NC		5.5	7.5	16	3LD9250-0BA	1	1 unit	1CL
			7.5	9.5	25	3LD2054-1TP5□	1	1 unit	1CL
			9.5	11.5	32	3LD2154-1TP5□	1	1 unit	1CL
			18.5	22	63	3LD2254-0TK5□ + ²⁾	1	1 unit	1CL
3 + N	1 NO + 1 NC		5.5	7.5	16	3LD9200-5B	1	1 unit	1CL
			7.5	9.5	25	3LD2555-0TK5□ + ²⁾	1	1 unit	1CL
			9.5	11.5	32	3LD9200-5B	1	1 unit	1CL
			18.5	22	63	3LD2054-2EP5□	1	1 unit	1CL
3 + N	1 NO + 1 NC		5.5	7.5	16	3LD2154-2EP5□	1	1 unit	1CL
			7.5	9.5	25	3LD2254-1TL5□ + ²⁾	1	1 unit	1CL
			9.5	11.5	32	3LD9200-5B	1	1 unit	1CL
			18.5	22	63	3LD2555-0TK5□ + ¹⁾	1	1 unit	1CL
						3LD9250-0BA + ²⁾	1	1 unit	1CL
						3LD9200-5B	1	1 unit	1CL

Actuator color

Black

Red/yellow (EMERGENCY-STOP)

1
3

¹⁾ 4th contact element as N conductor to be ordered separately, see page 7/41, Accessories.

²⁾ Auxiliary switches 1 NO + 1 NC to be ordered separately, see page 7/41, Accessories.

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Front mounting

Number and version of the contacts		Rated data 50 ... 60 Hz, 380 ... 440 V		SD	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main contact elements	Auxiliary contact elements	P/AC-23A kW	I_u A	d					
Main control and EMERGENCY-STOP switches with direct operating mechanism (knob-operated mechanism) • Lockable in 0 position (can be modified to I position) with max. 2 padlocks with a hasp thickness of 4 to 6 mm • Degree of protection at front side IP65 • Including terminal cover for the infeed side • Front plate - 48 x 48 mm									
Four-hole mounting									
 3LD2222-0TK11	3	--	7.5	16	3LD2022-0TK1□		1	1 unit	1CL
			9.5	25	3LD2122-0TK1□		1	1 unit	1CL
			11.5	32	3LD2222-0TK1□		1	1 unit	1CL
	3 + N	--	7.5	16	3LD2022-1TL1□		1	1 unit	1CL
			9.5	25	3LD2122-1TL1□		1	1 unit	1CL
			11.5	32	3LD2222-0TK1□ + ¹⁾		1	1 unit	1CL
					3LD9220-0B		1	1 unit	1CL
	3	1 NO + 1 NC	7.5	16	3LD2022-0TK1□ + ²⁾		1	1 unit	1CL
					3LD9200-5B		1	1 unit	1CL
			9.5	25	3LD2122-0TK1□ + ²⁾		1	1 unit	1CL
					3LD9200-5B		1	1 unit	1CL
			11.5	32	3LD2222-0TK1□ + ²⁾		1	1 unit	1CL
					3LD9200-5B		1	1 unit	1CL
	3 + N	1 NO + 1 NC	7.5	16	3LD2022-1TL1□ + ²⁾		1	1 unit	1CL
					3LD9200-5B		1	1 unit	1CL
			9.5	25	3LD2122-1TL1□ + ²⁾		1	1 unit	1CL
					3LD9200-5B		1	1 unit	1CL
			11.5	32	3LD2222-0TK1□ + ¹⁾		1	1 unit	1CL
					3LD9220-0B		1	1 unit	1CL
					3LD9200-5B		1	1 unit	1CL
Actuator color Black Red/yellow (EMERGENCY-STOP)									

¹⁾ 4th contact element as N conductor to be ordered separately, see page 7/41, Accessories.

²⁾ Auxiliary switches 1 NO + 1 NC to be ordered separately, see page 7/41, Accessories.

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Front mounting

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V		SD	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main contact elements	Auxiliary contact elements	P/AC-23A	I_u	d					
		kW	A						
Main control and EMERGENCY-STOP switches with direct operating mechanism (knob-operated mechanism) • Lockable in 0 position (can be modified to I position) with max. 2 padlocks with a hasp thickness of 4 to 6 mm • Degree of protection at front side IP65 • Including terminal cover for the infeed side • Front plate: 48 x 48 mm									
Center-hole mounting Ø 22.5 mm									
 3LD2150-0TK13	3	--	7.5	16	3LD2050-0TK1□		1	1 unit	1CL
			9.5	25	3LD2150-0TK1□		1	1 unit	1CL
			11.5	32	3LD2250-0TK1□		1	1 unit	1CL
	3 + N	--	7.5	16	3LD2050-1TL1□		1	1 unit	1CL
			9.5	25	3LD2150-0TK1□ + ²⁾		1	1 unit	1CL
					3LD9200-5B		1	1 unit	1CL
			11.5	32	3LD2250-0TK1□ + ²⁾		1	1 unit	1CL
					3LD9200-5B		1	1 unit	1CL
	3	1 NO + 1 NC	7.5	16	3LD2050-0TK1□ + ²⁾		1	1 unit	1CL
			9.5	25	3LD9200-5B		1	1 unit	1CL
					3LD2150-0TK1□ + ²⁾		1	1 unit	1CL
			11.5	32	3LD9200-5B		1	1 unit	1CL
	3 + N	1 NO + 1 NC	7.5	16	3LD2250-0TK1□ + ²⁾		1	1 unit	1CL
					3LD9200-5B		1	1 unit	1CL
			9.5	25	3LD2050-1TL1□ + ²⁾		1	1 unit	1CL
					3LD9200-5B		1	1 unit	1CL
					3LD2150-0TK1□ + ¹⁾		1	1 unit	1CL
					3LD9220-0B + ²⁾		1	1 unit	1CL
					3LD9200-5B		1	1 unit	1CL
			11.5	32	3LD2250-0TK1□ + ¹⁾		1	1 unit	1CL
					3LD9220-0B + ²⁾		1	1 unit	1CL
					3LD9200-5B		1	1 unit	1CL

Actuator color

Black

Red/yellow (EMERGENCY-STOP)

1

3

¹⁾ 4th contact element as N conductor to be ordered separately, see page 7/41, Accessories.

²⁾ Auxiliary switches 1 NO + 1 NC to be ordered separately, see page 7/41, Accessories.

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Front mounting

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V			SD	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main contact elements	Auxiliary contact elements	P/AC-3 kW	P/AC-23A kW	I_u A	d					
Main control and EMERGENCY-STOP switches with direct operating mechanism (rotary operating mechanism/knob-operated mechanism), 6-pole - Lockable in 0 position with up to 3 padlocks: 3LD20 to 3LD28: Hasp thickness from 4 to 8 mm 3LD23 and 3LD24: Hasp thickness from 4 to 6 mm - Degree of protection at front side IP65 - All versions with rotary operating mechanism Exception: 3LD23 and 3LD24 with knob-operated mechanism - Including terminal cover for the infeed side - Front plate 3LD20, 3LD21, 3LD22: 67 x 67 mm 3LD25: 90 x 90 mm 3LD23 to 3LD24: 96 x 96 mm										
Four-hole mounting										
 3LD2103-3VK53	6	--	7.5	9.5	25	3LD2103-3VK5□		1	1 unit	1CL
			9.5	11.5	32	3LD2203-3VK5□		1	1 unit	1CL
			18.5	22.0	63	3LD2504-3VK5□		1	1 unit	1CL
			50	75	160	3LD2305-3VK1□		1	1 unit	1CL
			110	132	250	3LD2405-3VK1□		1	1 unit	1CL
	6	1 NO + 1 NC	7.5	9.5	25	3LD2103-4VP5□		1	1 unit	1CL
Actuator color Black Red/yellow (EMERGENCY-STOP)						1 3				

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Floor mounting

Selection and ordering data

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V		SD	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main contact elements	Auxiliary contact elements	P/AC-23A	I_u	d					
		kW	A						
Main control and EMERGENCY-STOP switches with door-coupling rotary operating mechanism • With shaft • Lockable in 0 position with up to 3 padlocks: - 3LD20 to 3LD28: Hasp thickness from 4 to 8 mm - 3LD23 and 3LD24: Hasp thickness from 4 to 6 mm • Degree of protection at front side IP65 • Door-coupling rotary operating mechanism with integrated tolerance compensation (16 to 125 A) • All versions with rotary operating mechanism Exception: 3LD23 and 3LD24 with knob-operated mechanism • Mounting using screws or snap-on mounting on 35 mm standard mounting rail (16 to 125 A) • Including terminal cover for the infeed side • Front plate - 3LD20, 3LD21, 3LD22: 67 x 67 mm - 3LD25 to 3LD28: 90 x 90 mm - 3LD23 to 3LD24: 96 x 96 mm • Mounting dimensions - 3LD20, 3LD21, 3LD22: 380 mm - 3LD25 to 3LD28: 390 mm - 3LD23 to 3LD24: 600 mm									
Four-hole mounting									
 3LD2213-0TK53	3	--	7.5	16	3LD2013-0TK5□		1	1 unit	1CL
			9.5	25	3LD2113-0TK5□		1	1 unit	1CL
			11.5	32	3LD2213-0TK5□		1	1 unit	1CL
			22	63	3LD2514-0TK5□		1	1 unit	1CL
			37	100	3LD2714-0TK5□		1	1 unit	1CL
			45	125	3LD2814-0TK5□		1	1 unit	1CL
			75	160	3LD2318-0TK1□		1	1 unit	1CL
			132	250	3LD2418-0TK1□		1	1 unit	1CL
	3 + N	--	7.5	16	3LD2013-1TL5□		1	1 unit	1CL
			9.5	25	3LD2113-1TL5□		1	1 unit	1CL
			11.5	32	3LD2213-1TL5□		1	1 unit	1CL
			22	63	3LD2514-1TL5□		1	1 unit	1CL
			37	100	3LD2714-0TK5□ + ¹⁾		1	1 unit	1CL
					3LD9280-0C		1	1 unit	1CL
			45	125	3LD2814-0TK5□ + ¹⁾		1	1 unit	1CL
					3LD9280-0C		1	1 unit	1CL
			75	160	3LD2318-1TL1□		1	1 unit	1CL
			132	250	3LD2418-1TL1□		1	1 unit	1CL
Actuator color Black Red/yellow (EMERGENCY-STOP)									
							1 3		

¹⁾ 4th contact element as N conductor to be ordered separately, see page 7/41, Accessories.

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Floor mounting

	Number and version of the contacts		Rated data at 50 .. 60 Hz, 380 ... 440 V		SD	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
	Main contact elements	Auxiliary contact elements	P/AC-23A	I_u						
			kW	A						
 3LD2213-0TK53	3	1 NO + 1 NC	7.5	16	d	3LD2013-0TK5□ + ²⁾		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL
			9.5	25		3LD2113-0TK5□ + ²⁾		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL
			11.5	32		3LD2213-0TK5□ + ²⁾		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL
			22	63		3LD2514-0TK5□ + ²⁾		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL
			37	100		3LD2714-0TK5□ + ²⁾		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL
			45	125		3LD2814-0TK5□ + ²⁾		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL
			75	160		3LD2318-0TK1□ + ²⁾		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL
			132	250		3LD2418-0TK1□ + ²⁾		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL
	3 + N	1 NO + 1 NC	7.5	16		3LD2013-1TL5□ + ²⁾		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL
			9.5	25		3LD2113-1TL5□ + ²⁾		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL
			11.5	32		3LD2213-1TL5□ + ²⁾		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL
			22	63		3LD2514-1TL5□ + ²⁾		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL
			37	100		3LD2714-0TK5□ + ¹⁾		1	1 unit	1CL
						3LD9280-0C + ²⁾		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL
			45	125		3LD2814-0TK5□ + ¹⁾		1	1 unit	1CL
						3LD9280-0C + ²⁾		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL
			75	160		3LD2318-1TL1□ + ²⁾		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL
			132	250		3LD2418-1TL1□ + ²⁾		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL

Actuator color

Black

Red/yellow (EMERGENCY-STOP)

1

3

¹⁾ 4th contact element as N conductor to be ordered separately, see page 7/41, Accessories.

²⁾ Auxiliary switches 1 NO + 1 NC to be ordered separately, see page 7/41, Accessories.

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Floor mounting

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V		SD	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main contact elements	Auxiliary contact elements	P/AC-23A	I_u						
		kW	A	d					
Main control and EMERGENCY-STOP switches with door-coupling rotary operating mechanism • With shaft • Lockable in 0 position with up to 3 padlocks: - 3LD20 to 3LD28: Hasp thickness from 4 to 8 mm - 3LD23 and 3LD24: Hasp thickness from 4 to 6 mm • Degree of protection at front side IP65 • Door-coupling rotary operating mechanism with integrated tolerance compensation (16 to 125 A) • All versions with rotary operating mechanism • Mounting using screws or snap-on mounting on 35 mm standard mounting rail (16 to 125 A) • Including terminal cover for the infeed side • Front plate - 3LD20, 3LD21, 3LD22: 67 x 67 mm - 3LD25: 90 x 90 mm • Mounting dimensions - 3LD20, 3LD21, 3LD22: 380 mm - 3LD25: 390 mm									
Center-hole mounting Ø 22.5 mm									
 3LD2144-0TK53	3	--	7.5	16	3LD2044-0TK5□		1	1 unit	1CL
			9.5	25	3LD2144-0TK5□		1	1 unit	1CL
			11.5	32	3LD2244-0TK5□		1	1 unit	1CL
			22	63	3LD2545-0TK5□		1	1 unit	1CL
	3 + N	--	7.5	16	3LD2044-1TL5□		1	1 unit	1CL
			9.5	25	3LD2144-1TL5□		1	1 unit	1CL
			11.5	32	3LD2244-1TL5□		1	1 unit	1CL
			22	63	3LD2545-0TK5□ + 1)		1	1 unit	1CL
					3LD9250-OCA		1	1 unit	1CL
	3	1 NO + 1 NC	7.5	16	3LD2044-0TK5□ + 2)		1	1 unit	1CL
					3LD9200-5C		1	1 unit	1CL
			9.5	25	3LD2144-0TK5□ + 2)		1	1 unit	1CL
					3LD9200-5C		1	1 unit	1CL
			11.5	32	3LD2244-0TK5□ + 2)		1	1 unit	1CL
					3LD9200-5C		1	1 unit	1CL
			22	63	3LD2545-0TK5□ + 2)		1	1 unit	1CL
					3LD9200-5C		1	1 unit	1CL
	3 + N	1 NO + 1 NC	7.5	16	3LD2044-1TL5□ + 2)		1	1 unit	1CL
					3LD9200-5C		1	1 unit	1CL
			9.5	25	3LD2144-1TL5□ + 2)		1	1 unit	1CL
					3LD9200-5C		1	1 unit	1CL
			11.5	32	3LD2244-1TL5□ + 2)		1	1 unit	1CL
					3LD9200-5C		1	1 unit	1CL
			22	63	3LD2545-0TK5□ + 1)		1	1 unit	1CL
					3LD9250-OCA		1	1 unit	1CL
					3LD9200-5C		1	1 unit	1CL

Actuator color

Black

Red/yellow (EMERGENCY-STOP)

1

3

1) 4th contact element as N conductor to be ordered separately, see page 7/41, Accessories.

2) Auxiliary switches 1 NO + 1 NC to be ordered separately, see page 7/41, Accessories.

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Floor mounting

Number and version of the contacts		Rated data at 50 Hz ... 60 Hz, 380 V ... 440 V			SD	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main contact elements	Auxiliary contact elements	P/AC-3	P/AC-23A	I_u						
		kW	kW	A	d					
Main control and EMERGENCY-STOP switches with door-coupling rotary operating mechanism (6-pole) • Lockable in 0 position with up to 3 padlocks with a hasp thickness of 4 to 8 mm • Degree of protection at front side IP65 • Door-coupling rotary operating mechanism with integrated tolerance compensation (for 3LD21) • All versions with rotary operating mechanism Exception: 3LD23 and 3LD24 with door-coupling rotary operating mechanism as selector switch • Mounting using screws or snap-on mounting on 35 mm standard mounting rails • Including terminal cover for the infeed side • Front plate - 3LD20, 3LD21, 3LD22: 67 x 67 mm - 3LD23, 3LD24: 96 x 96 mm										
Four-hole mounting										
	6	--	7.5	9.5	25	3LD2113-3VK5□		1	1 unit	1CL
	6	--	50	75	160	3LD2318-3VK1□		1	1 unit	1CL
	6	--	110	132	250	3LD2418-3VK1□		1	1 unit	1CL
	6	1 NO + 1 NC	9.5	9.5	25	3LD2113-4VP5□		1	1 unit	1CL

3LD2113-3VK51

Actuator color

Black
Red/yellow (EMERGENCY-STOP)

1
3

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Floor mounting

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V		SD	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main contact elements	Auxiliary contact elements	P/AC-23A	I_u						
		kW	A	d					
Main control and EMERGENCY-STOP switches with defeatable door-coupling rotary operating mechanism (as knob-operated mechanism) The 3LD main control and EMERGENCY-STOP switch with defeatable door-coupling rotary operating mechanism enables you to conduct repairs, maintenance work or tests on electrical plants and machines without having to interrupt their operation. With the help of the defeatable door-coupling rotary operating mechanism, an electrician can bypass locking in the ON position and open the control cabinet door with the plant activated. 3LD main control and EMERGENCY-STOP switches with defeatable door-coupling rotary operating mechanism are approved according to UL 508. • With 300 mm switch shaft • Lockable in 0 position with up to 3 padlocks with a hasp thickness of 4 to 6 mm • Degree of protection at front side IP65 • Door-coupling rotary operating mechanism as knob-operated mechanism with integrated tolerance compensation • Mounting using screws or snap-on mounting on 35 mm standard mounting rails • Including terminal cover for the infeed side • Front plate 65 x 65 mm									
Four-hole mounting									
 3LD2017-0TK..	3	--	7.5	16	3LD2017-0TK1□		1	1 unit	1CL
			11.5	32	3LD2217-0TK1□		1	1 unit	1CL
			22	63	3LD2517-0TK1□		1	1 unit	1CL
	3 + N	--	7.5	16	3LD2017-1TL1□		1	1 unit	1CL
			11.5	32	3LD2217-1TL1□		1	1 unit	1CL
			22	63	3LD2517-1TL1□		1	1 unit	1CL

Actuator color

Black
Red/yellow (EMERGENCY-STOP)

1
3

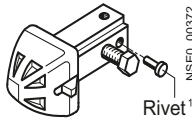
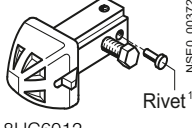
Accessories

Defeatable door-coupling rotary operating mechanisms from 100 A to 250 A

For switch disconnectors with door-coupling rotary operating mechanisms, a defeatable door-coupling rotary operating mechanism can be assembled with the following components from the 8UC7 series.

The following components are to be used for this purpose:

- For switch disconnectors with 3LD27 and 3LD28 door-coupling rotary operating mechanisms:
 - 8UC7110-1BB
 - 8UC7120-3BB
 - 8UC6011
- For switch disconnectors with 3LD23 and 3LD24 door-coupling rotary operating mechanisms:
 - 8UC7210-1BB
 - 8UC7220-3BB
 - 8UC6012

	Rotary operating mechanisms	Size	Cross-section of the actuating shaft	Version ²⁾	SD	Individual parts for 8UC7 door-coupling rotary operating mechanisms Article No. www.siemens.com/product?Article No.	PU (UNIT, SET, M)	PS	PG
	Type		mm x mm		d	Price per PU			
Components for 3LD27, 3LD28									
 8UC71	8UC71	1	6 x 6	Standard EMERGENCY-STOP		8UC7110-1BB 8UC7120-3BB	1	1 unit	1CL
							1	1 unit	1CL
 8UC6011	8UC71	1	6 x 6	--		8UC6011	1	1 unit	1CL
Components for 3LD23, 3LD24									
 8UC72	8UC72	2	8 x 8	Standard EMERGENCY-STOP		8UC7210-1BB 8UC7220-3BB	1	1 unit	1CL
							1	1 unit	1CL
 8UC6012	8UC72	2	8 x 8	--		8UC6012	1	1 unit	1CL

¹⁾ Non-interchangeability features.

²⁾ Standard: Ti-gray handle, light-gray masking plate;
EMERGENCY-STOP: Red handle, yellow masking plate.

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Distribution board mounting

Selection and ordering data

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V		SD	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main contact elements	Auxiliary contact elements	P/AC-23A	I_u	d					
		kW	A						
ON/OFF and EMERGENCY-STOP switches with masking plate and selector knob - With screw fixing - With snap-on mounting on 35 mm standard mounting rail (16 to 125 A) - Lockable in 0 position with up to 2 padlocks with a hasp thickness of 4 to 6 mm (160 A) or up to 3 padlocks with a hasp thickness of 4 to 6 mm (250 A) - Degree of protection at front side IP44 - Including terminal cover for the infeed side (160 A and 250 A only)									
 3LD2530-0TK13	3	--	7.5	16	3LD2030-0TK1□		1	1 unit	1CL
			9.5	25	3LD2130-0TK1□		1	1 unit	1CL
			11.5	32	3LD2230-0TK1□		1	1 unit	1CL
			22	63	3LD2530-0TK1□		1	1 unit	1CL
			37	100	3LD2730-0TK1□		1	1 unit	1CL
			45	125	3LD2830-0TK1□		1	1 unit	1CL
			75	160	3LD2330-0TK1□		1	1 unit	1CL
			132	250	3LD2430-0TK1□		1	1 unit	1CL
 3LD2330-0TK11	3 + N	--	7.5	16	3LD2030-1TL1□		1	1 unit	1CL
			9.5	25	3LD2130-0TK1□ ⁺¹⁾		1	1 unit	1CL
					3LD9220-0C		1	1 unit	1CL
			11.5	32	3LD2230-0TK1□ ⁺¹⁾		1	1 unit	1CL
					3LD9220-0C		1	1 unit	1CL
			22	63	3LD2530-0TK1□ ⁺¹⁾		1	1 unit	1CL
					3LD9250-0CA		1	1 unit	1CL
			37	100	3LD2730-0TK1□ ⁺¹⁾		1	1 unit	1CL
					3LD9280-0C		1	1 unit	1CL
			45	125	3LD2830-0TK1□ ⁺¹⁾		1	1 unit	1CL
					3LD9280-0C		1	1 unit	1CL
			75	160	3LD2330-0TK1□ ⁺¹⁾		1	1 unit	1CL
					3LD9240-0C		1	1 unit	1CL
			132	250	3LD2430-0TK1□ ⁺¹⁾		1	1 unit	1CL
					3LD9240-0C		1	1 unit	1CL

Actuator color

Black

Red/yellow (EMERGENCY-STOP)

1

3

¹⁾ 4th contact element as N conductor to be ordered separately, see page 7/41, "Accessories, accessories for floor mounting".

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Distribution board mounting

Number and version of the contacts		Rated data at 50 ... 60 Hz, 380 ... 440 V		SD	Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main contact elements	Auxiliary contact elements	P/AC-23A	I_u	d					
 3LD2530-0TK11	3	1 NO + 1 NC	kW	A	d				
			7.5	16	3LD2030-0TK1□ +2)		1	1 unit	1CL
					3LD9200-5C		1	1 unit	1CL
			9.5	25	3LD2130-0TK1□ +2)		1	1 unit	1CL
					3LD9200-5C		1	1 unit	1CL
			11.5	32	3LD2230-0TK1□ +2)		1	1 unit	1CL
					3LD9200-5C		1	1 unit	1CL
			22	63	3LD2530-0TK1□ +2)		1	1 unit	1CL
					3LD9200-5C		1	1 unit	1CL
			37	100	3LD2730-0TK1□ +2)		1	1 unit	1CL
					3LD9200-5C		1	1 unit	1CL
			45	125	3LD2830-0TK1□ +2)		1	1 unit	1CL
					3LD9200-5C		1	1 unit	1CL
			75	160	3LD2330-0TK1□ +2)		1	1 unit	1CL
					3LD9200-5C		1	1 unit	1CL
			132	250	3LD2430-0TK1□ +2)		1	1 unit	1CL
					3LD9200-5C		1	1 unit	1CL
3 + N	1 NO + 1 NC	7.5	16		3LD2030-1TL1□ +2)		1	1 unit	1CL
					3LD9200-5C		1	1 unit	1CL
					3LD2130-0TK1□ +2)		1	1 unit	1CL
					3LD9200-5C +1)		1	1 unit	1CL
					3LD9220-0C		1	1 unit	1CL
					3LD2230-0TK1□ +2)		1	1 unit	1CL
					3LD9200-5C +1)		1	1 unit	1CL
					3LD9220-0C		1	1 unit	1CL
					3LD2530-0TK1□ +2)		1	1 unit	1CL
					3LD9200-5C +1)		1	1 unit	1CL
					3LD9250-0CA		1	1 unit	1CL
					3LD2730-0TK1□ +2)		1	1 unit	1CL
					3LD9200-5C +1)		1	1 unit	1CL
					3LD9280-0C		1	1 unit	1CL
					3LD2830-0TK1□ +2)		1	1 unit	1CL
					3LD9200-5C +1)		1	1 unit	1CL
					3LD9280-0C		1	1 unit	1CL
					3LD2330-0TK1□ +2)		1	1 unit	1CL
					3LD9200-5C +1)		1	1 unit	1CL
					3LD9240-0C		1	1 unit	1CL
					3LD2430-0TK1□ +2)		1	1 unit	1CL
					3LD9200-5C +1)		1	1 unit	1CL
					3LD9240-0C		1	1 unit	1CL

Actuator color

Black

Red/yellow (EMERGENCY-STOP)

1
3

1) 4th contact element as N conductor to be ordered separately,
see page 7/41, Accessories for floor mounting.

2) Auxiliary switches 1 NO + 1 NC to be ordered separately,
see page 7/41, Accessories.

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Molded-plastic enclosures

Selection and ordering data

Number and version of the contacts		Base terminal	Rated data at 50 ... 60 Hz, 380 ... 440 V		SD	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Main contact elements	Auxiliary contact elements		P/AC-23A	I_u	d					
			kW	A	d					
Main control and EMERGENCY-STOP switches • With N and/or PE/ground base terminals • Lockable in 0 position with up to 3 padlocks with a hasp thickness of 4 to 8 mm • Degree of protection IP65 • Rotary operating mechanisms with center-hole mounting • For floor-mounted auxiliary switches • Metric screw connection										
 3LD2164-0TB53	3	--	PE + N	7.5	16	3LD2064-0TB5□		1	1 unit	1CL
			PE + N	9.5	25	3LD2164-0TB5□		1	1 unit	1CL
			PE + N	11.5	32	3LD2264-0TB5□		1	1 unit	1CL
			PE + N	22	63	3LD2565-0TB5□		1	1 unit	1CL
			PE + N	37	100	3LD2766-0TB5□		1	1 unit	1CL
			PE + N	45	125	3LD2866-0TB5□		1	1 unit	1CL
	3 + N	--	PE	7.5	16	3LD2064-1TC5□		1	1 unit	1CL
			PE	9.5	25	3LD2164-1TC5□		1	1 unit	1CL
			PE	11.5	32	3LD2264-1TC5□		1	1 unit	1CL
			PE	22	63	3LD2565-1TC5□		1	1 unit	1CL
			PE + N	37	100	3LD2766-0TB5□ +1)		1	1 unit	1CL
			PE + N	45	125	3LD2866-0TB5□ +1)		1	1 unit	1CL
	3	1 NO + 1 NC	N	7.5	16	3LD2064-1GP5□		1	1 unit	1CL
			N	9.5	25	3LD2164-1GP5□		1	1 unit	1CL
			N	11.5	32	3LD2264-1GP5□		1	1 unit	1CL
			N	22	63	3LD2565-1GP5□		1	1 unit	1CL
			N	37	100	3LD2766-1GP5□		1	1 unit	1CL
			N	45	125	3LD2866-1GP5□		1	1 unit	1CL
	3 + N	1 NO + 1 NC	PE	7.5	16	3LD2064-1TC5□ +2)		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL
			PE	9.5	25	3LD2164-1TC5□ +2)		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL
			PE	11.5	32	3LD2264-1TC5□ +2)		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL
			PE	22	63	3LD2565-1TC5□ +2)		1	1 unit	1CL
						3LD9200-5C		1	1 unit	1CL
			N	37	100	3LD2766-1GP5□ +1)		1	1 unit	1CL
						3LD9280-0C		1	1 unit	1CL
			N	45	125	3LD2866-1GP5□ +1)		1	1 unit	1CL
						3LD9280-0C		1	1 unit	1CL

Actuator color

Black

Red/yellow (EMERGENCY-STOP)

1

3

Actuator color

Black

Red/yellow (EMERGENCY-STOP)

1

3

1) 4th contact element as N conductor to be ordered separately, see page 7/41, Accessories for floor mounting

2) Auxiliary switches 1 NO + 1 NC to be ordered separately, see page 7/41, Accessories

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Molded-plastic enclosures

Number and version of the contacts		Base terminal	Rated data at 50 ... 60 Hz, 380 ... 440 V			SD	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG	
Main contact elements	Auxiliary contact elements		P/AC-3	P/AC-23A	I_u							
			kW	kW	A							d
Main control and EMERGENCY-STOP switches with rotary operating mechanism (6-pole) • With N and/or PE/ground base terminals • Degree of protection IP65 • Metric screw connection												
	6	--	PE + N	7.5	9.5	25	3LD2165-3VB5□		1	1 unit	1CL	
			PE + N	9.5	11.5	32	3LD2265-3VB5□		1	1 unit	1CL	
			PE + N	18.5	22.0	63	3LD2566-3VB5□		1	1 unit	1CL	
	6	1 NO + 1 NC	N	7.5	9.5	25	3LD2165-4VD5□		1	1 unit	1CL	
			N	9.5	11.5	32	3LD2265-4VD5□		1	1 unit	1CL	
			PE + N	18.5	22.0	63	3LD2566-4VD5□		1	1 unit	1CL	

3LD2165-3VB53

3LD2165-3VB53

Actuator color

Black
Red/yellow (EMERGENCY-STOP)

1
3

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > DC applications

Selection and ordering data

Mains voltage	Rated current I_e at 800 V DC		SD	Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Max. V DC	DC-21A A	DC-22A A	d					

DC isolators in molded-plastic enclosure

- Molded-plastic enclosure IP65
- Metric screw connection
- (B x H x D) 146 x 199 x 136 mm
- Conductor cross-sections:
 - Solid and stranded 1.5 ... 16 mm²
 - Finely stranded with end sleeve max. 10 mm²
- Lockable



3LD2265-8VQ5-0AF6

800	32	16		3LD2265-8VQ5-0AF6		1	1 unit	1CL
-----	----	----	--	--------------------------	--	---	--------	-----

Actuator color

Black
Red/yellow (EMERGENCY-STOP)

1
3

Mains voltage	Rated current I_e at 800 V DC		SD	Article No. www.siemens.com/ product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Max. V DC	DC-21A A	DC-22A A	d					

DC isolators for distribution board mounting

- Conductor cross-sections:
 - Solid and stranded 1.5 ... 16 mm²
 - Finely stranded with end sleeve max. 10 mm²
- Actuator color: Black



3LD2230-8VQ11-0AF6

800	32	16		3LD2230-8VQ11-0AF6		1	1 unit	1CL
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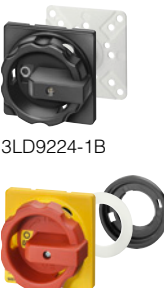
Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Accessories

Selection and ordering data

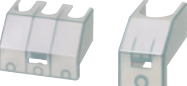
Version		SD	3LD20	PU (UNIT, SET, M)	PS	PG
		Article No. www.siemens.com/ product?Article No.		Price per PU		
d						
For front mounting						
	N or PE terminals Through-type	3LD9200-2B		1	1 unit	1CL
	Auxiliary switches For mounting on the left and/or right, lagging switch-on, leading switch-off • 1 NO + 1 NC For mounting on the left and/or right, lagging switch-on, with gold-plated contacts for requesting electronic information, leading switch-off • 1 NO + 1 NC	3LD9200-5B 3LD9200-5BF		1 1	1 unit 1 unit	1CL 1CL
For floor mounting, distribution board mounting or molded-plastic enclosures						
	N or PE terminals Through-type	3LD9200-2C		1	1 unit	1CL
	Auxiliary switches For mounting on the left and/or right, lagging switch-on, leading switch-off • 1 NO + 1 NC • 2 NO For mounting on the left and/or right, lagging switch-on, with gold-plated contacts for requesting electronic information, leading switch-off • 1 NO + 1 NC	3LD9200-5C 3LD9200-6C 3LD9200-5CF		1 1	1 unit 1 unit	1CL 1CL
For front and floor mounting						
	Rotary operating mechanisms Lockable in 0 position with up to 3 padlocks • For four-hole mounting, including seal - Black - Red/yellow • For center-hole mounting, including seal and nut - Black - Red/yellow	3LD9224-1B 3LD9224-3B 3LD9224-1D 3LD9224-3D		1 1 1	1 unit 1 unit 1 unit	1CL 1CL 1CL
	Mounting tools For center-hole mounting with nut	3LD9256-0A		1	5 units	1CL
	Switching shafts 6 x 6 mm Length 300 mm Length 600 mm	3LD9205-0C 3LD9205-2C		1 1	5 units 5 units	1CL 1CL
	Inscription labels With English/German inscription (MAIN SWITCH/HAUPTSCHALTER) Without inscription	3LD9286-1A 3LD9286-4A		1 1	10 units 10 units	1CL 1CL
	Terminal covers as additional touch protection (also for distribution board mounting) Can be snapped on at top and bottom • 1-pole • 4-pole	3LD9201-2A 3LD9201-1A		100 1	4 units 4 units	1CL 1CL

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Accessories

Version		SD	3LD21 and 3LD22	PU (UNIT, SET, M)	PS	PG
			Article No. www.siemens.com/ product?Article No.	Price per PU		
For front mounting						
			4th contact element (N conductor) Leading switch-on, lagging switch-off	3LD9220-0B	1	1 unit 1CL
			N or PE terminals Through-type	3LD9220-2B	1	1 unit 1CL
			Auxiliary switches For mounting on the left and/or right, lagging switch-on, leading switch-off • 1 NO + 1 NC For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plated contacts for requesting electronic information • 1 NO + 1 NC	3LD9200-5B	1	1 unit 1CL
				3LD9200-5BF	1	1 unit 1CL
For floor mounting, distribution board mounting or molded-plastic enclosures						
			4th contact element (N conductor) Leading switch-on, lagging switch-off	3LD9220-0C	1	1 unit 1CL
			N or PE terminals Through-type	3LD9220-2C	1	1 unit 1CL
			Auxiliary switches For mounting on the left and/or right, lagging switch-on, leading switch-off • 1 NO + 1 NC • 2 NO For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plated contacts for requesting electronic information • 1 NO + 1 NC	3LD9200-5C 3LD9200-6C	1 1	1 unit 1CL 1 unit 1CL
				3LD9200-5CF	1	1 unit 1CL
For front and floor mounting						
			Rotary operating mechanisms Lockable in 0 position with up to 3 padlocks • For four-hole mounting including seal - Black - Red/yellow • For center-hole mounting, including seal and nut - Black - Red/yellow	3LD9224-1B 3LD9224-3B	1 1	1 unit 1CL 1 unit 1CL
				3LD9224-1D 3LD9224-3D	1 1	1 unit 1CL 1 unit 1CL
			Mounting tools For center-hole mounting with nut	3LD9256-0A	1	5 units 1CL
			Switching shafts 6 x 6 mm Length 300 mm Length 600 mm	3LD9205-0C 3LD9205-2C	1 1	5 units 1CL 5 units 1CL
			Inscription labels With English/German inscription (MAIN SWITCH/HAUPTSCHALTER) Without inscription	3LD9286-1A 3LD9286-4A	1 1	10 units 1CL 10 units 1CL
			Terminal covers as additional touch protection (also for distribution board mounting) Can be snapped on at top and bottom • 1-pole • 3-pole	3LD9221-2A 3LD9221-0A	100 1	4 units 1CL 4 units 1CL

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Accessories

Version	SD	3LD25	PU (UNIT, SET, M)	PS	PG
	d	Article No. www.siemens.com/ product?Article No.	Price per PU		
For front mounting					
 3LD9250-0BA (left) 3LD9250-2BA (right)	4th contact element (N conductor) Leading switch-on, lagging switch-off		3LD9250-0BA	1	1 unit 1CL
	N or PE terminals Through-type		3LD9250-2BA	1	1 unit 1CL
	Auxiliary switches For mounting on the left and/or right, lagging switch-on, leading switch-off • 1 NO + 1 NC For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plated contacts for requesting electronic information • 1 NO + 1 NC		3LD9200-5B 3LD9200-5BF	1 1	1 unit 1CL 1CL
For floor mounting, distribution board mounting or molded-plastic enclosures					
 3LD9250-0CA (left) 3LD9250-2CA (right)	4th contact element (N conductor) Leading switch-on, lagging switch-off		3LD9250-0CA	1	1 unit 1CL
	N or PE terminals Through-type		3LD9250-2CA	1	1 unit 1CL
	Auxiliary switches For mounting on the left and/or right, lagging switch-on, leading switch-off • 1 NO + 1 NC • 2 NO For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plated contacts for requesting electronic information • 1 NO + 1 NC		3LD9200-5C 3LD9200-6C 3LD9200-5CF	1 1 1	1 unit 1CL 1CL 1CL
For front and floor mounting					
 3LD9284-1B 3LD9284-3D	Rotary operating mechanisms Lockable in 0 position with up to 3 padlocks • For four-hole mounting, including seal - Black - Red/yellow • For center-hole mounting, including seal and nut - Black - Red/yellow		3LD9284-1B 3LD9284-3B 3LD9284-1D 3LD9284-3D	1 1 1 1	1 unit 1CL 1CL 1CL 1CL
	Mounting tools For center-hole mounting with nut		3LD9256-0A	1	5 units 1CL
	Switching shafts 6 x 6 mm Length 300 mm Length 600 mm		3LD9205-0C 3LD9205-2C	1 1	5 units 1CL 5 units 1CL
 3LD9286-1A	Inscription labels With English/German inscription (MAIN SWITCH/HAUPTSCHALTER) Without inscription		3LD9286-1A 3LD9286-4A	1 1	10 units 1CL 10 units 1CL
	Terminal covers as additional touch protection (also for distribution board mounting) Can be snapped on at top and bottom • 1-pole • 3-pole		3LD9251-2A 3LD9251-0A	100 1	4 units 1CL 4 units 1CL

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Accessories

Version	SD	3LD27 and 3LD28	PU (UNIT, SET, M)	PS	PG
	d	Article No. www.siemens.com/ product?Article No.	Price per PU		
For front mounting					
 3LD9280-0B (left) 3LD9280-2B (right)	4th contact element (N conductor) Leading switch-on, lagging switch-off		3LD9280-0B	1	1 unit 1CL
	N or PE terminals Through-type		3LD9280-2B	1	1 unit 1CL
 3LD9200-5B	Auxiliary switches For mounting on the left and/or right, lagging switch-on, leading switch-off • 1 NO + 1 NC For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plated contacts for requesting electronic information • 1 NO + 1 NC		3LD9200-5B 3LD9200-5BF	1 1	1 unit 1CL 1 unit 1CL
	For floor mounting, distribution board mounting or molded-plastic enclosures				
 3LD9280-0C (left) 3LD9280-2C (right)	4th contact element (N conductor) Leading switch-on, lagging switch-off		3LD9280-0C	1	1 unit 1CL
	N or PE terminals Through-type		3LD9280-2C	1	1 unit 1CL
 3LD9200-5C (left) 3LD9200-6C (right)	Auxiliary switches For mounting on the left and/or right, lagging switch-on, leading switch-off • 1 NO + 1 NC • 2 NO For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plated contacts for requesting electronic information • 1 NO + 1 NC		3LD9200-5C 3LD9200-6C 3LD9200-5CF	1 1 1	1 unit 1CL 1 unit 1CL 1 unit 1CL
	For front and floor mounting				
 3LD9284-1B 3LD9284-3D	Rotary operating mechanisms Lockable in 0 position with up to 3 padlocks • For four-hole mounting, including seal - Black - Red/yellow • For center-hole mounting, including seal and nut - Black - Red/yellow		3LD9284-1B 3LD9284-3B 3LD9284-1D 3LD9284-3D	1 1 1 1	1 unit 1CL 1 unit 1CL 1 unit 1CL 1 unit 1CL
	Switching shafts 6 x 6 mm Length 300 mm Length 600 mm		3LD9205-0C 3LD9205-2C	1 1	5 units 1CL 5 units 1CL
 3LD9286-1A	Inscription labels With English/German inscription (MAIN SWITCH/HAUPTSCHALTER) Without inscription		3LD9286-1A 3LD9286-4A	1 1	10 units 1CL 10 units 1CL
	Terminal covers as additional touch protection (also for distribution board mounting) Can be snapped on at top and bottom • 1-pole (1 pack = 4 units)		3LD9281-2A	1	4 units 1CL
 3LD9281-2A					

Switch Disconnectors

Fuseless Switch Disconnectors

3LD Main Control and EMERGENCY-STOP Switches from 16 to 250 A

3LD2 main control and EMERGENCY-STOP switches from 16 to 250 A > Accessories

Version		SD	3LD23 and 3LD24		PU (UNIT, SET, M)	PS	PG
		d	Article No. www.siemens.com/ product?Article No.	Price per PU			
For front mounting							
 3LD9240-0B (left) 3LD9240-2B (right)	4 th contact element (N conductor) Leading switch-on, lagging switch-off		3LD9240-0B		1	1 unit	1CL
	N or PE terminals Through-type		3LD9240-2B		1	1 unit	1CL
	Auxiliary switches For mounting on the left and/or right, lagging switch-on, leading switch-off • 1 NO + 1 NC • For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plated contacts for requesting electronic information • 1 NO + 1 NC		3LD9200-5B 3LD9200-5BF		1 1	1 unit 1 unit	1CL 1CL
For floor and distribution board mounting							
 3LD9242-4F	Coupling piece Without ON-lock		3LD9242-4F		1	5 units	1CL
 3LD9240-0C (left) 3LD9240-2C (right)	4 th contact element (N conductor) Leading switch-on, lagging switch-off		3LD9240-0C		1	1 unit	1CL
	N or PE terminals Through-type		3LD9240-2C		1	1 unit	1CL
	Auxiliary switches For mounting on the left and/or right, lagging switch-on, leading switch-off • 1 NO + 1 NC • 2 NO For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plated contacts for requesting electronic information • 1 NO + 1 NC		3LD9200-5C 3LD9200-6C 3LD9200-5CF		1 1 1	1 unit 1 unit 1 unit	1CL 1CL 1CL
For front and floor mounting							
 3LD9243-1B	Knob-operated mechanism (also for distribution board mounting) Lockable in 0 position with up to 3 padlocks • For four-hole mounting, including seal - Black - Red/yellow		3LD9243-1B 3LD9243-3B		1 1	1 unit 1 unit	1CL 1CL
	Switching shafts 8 x 8 mm Length 300 mm Length 600 mm		3LD9245-0C 3LD9245-2C		1 1	5 units 5 units	1CL 1CL
 3LD9241-2A	Terminal covers as additional touch protection (also for distribution board mounting) Can be snapped on at top and bottom • 1-pole		3LD9241-2A		1	4 units	1CL