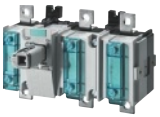
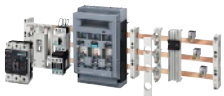


SENTRON Switch Disconnectors, 8US Busbar Systems

Introduction

Overview

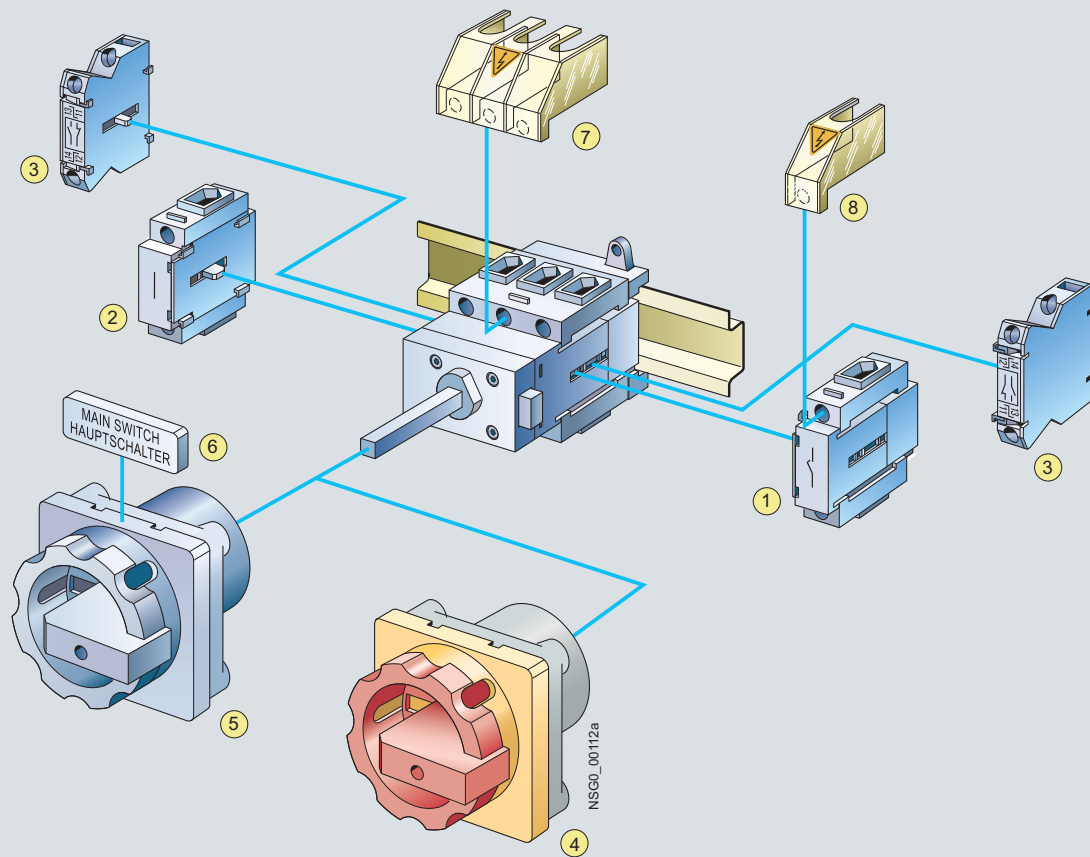
		Order No.	Page
Switch disconnectors			
 3LD	Main and EMERGENCY-STOP switches 16 A to 250 A • Devices for front mounting, floor mounting with door-coupling rotary operating mechanism, distribution board mounting or in molded-plastic enclosures • Front mounting with four-hole and center hole arrangement • 3, 4 and 6-pole versions • 3 and 4-pole load transfer switches • Solar plant isolators 800 V DC	3LD	17/3
	 3KA/3KE	3KA/3KE	17/26
Switch disconnectors with fuses			
 3KL / 3KM	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 NH and BS 88 fuse systems	3KL 3KM	17/38 17/47
	 3NJ62	3NJ62	17/58
Fuse switch disconnectors			
 3NP1	Fuse switch disconnectors up to 630 A • Connection components are available for flat connection, saddle-type terminal connection, prism terminal connection and box terminal connection • Electromechanical and electronic fuse monitoring with/without network monitoring function • Mounting variants for floor mounting and 40/60 mm busbar system	3NP1 / 3NP5	17/79
	 3NJ4/3NJ5	3NJ4/3NJ5	17/108
Busbar systems			
 8US	• Systems for 40 mm and 60 mm busbar center-to-center clearance • 1, 2, 3, 4 and 5-pole systems • For flat copper bars and special profiles up to 1600 A • Versions for IEC and UL applications	8US	17/118

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

General data

Overview



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

The 3LD main 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), main control switches are called "disconnector units", while EMERGENCY-STOP switches are termed "devices for emergency shutdown".

The 3LD switches for 16 to 125 A are approved according to UL 508 and can be used as "manual motor controllers" and "motor disconnects".

UL 508 approval of 3LD switches for 160 and 250 A is under application.

Maintenance personnel can protect themselves against unauthorized startup with padlocks (up to three can be fitted).

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

Application

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

They can be used as:

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

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

General data

Switch construction

Construction of the contacts

Each switch has three adjacent contact elements¹⁾. A fourth 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.

Construction of rotary operating mechanisms

The rotary operating mechanisms of the switches for front or floor mounting are mounted on control cabinet doors, front or side panels with four-hole or center-hole mounting with a standard diameter of 22.5 mm and operated from the outside. In their Off position, they can be locked with up to three padlocks with a hasp thickness of 8 mm. Controls 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 mounting 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 switchboards and for switching inside control cabinets or distributors. 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 6 mm.
- **Switches in molded-plastic enclosure:**
For surface mounting of individual main 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 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 changeover switches and 6-pole main control switches have six contact elements.



3LD2 704-0TK53 switch for front mounting with rotary operating mechanism



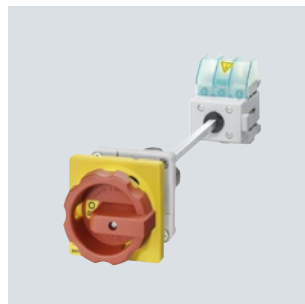
3LD2 222-0TK1 switch for front mounting with knob



3LD2 122-7UK01 3-pole changeover switch for front mounting with knob



3LD2 103-3VK53 6-pole switch for front mounting with rotary operating mechanism



3LD2 144-0TK53 switch for floor mounting with rotary operating mechanism and door coupling



3LD2 530-0TK11 switch for distribution board mounting with knob



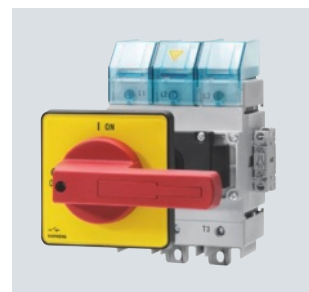
3LD2 264-0TB5 switch in molded-plastic enclosure



3LD2 217-1TL13 switch for floor mounting with rotary operating mechanism and defeatable door coupling



3LD2 265-8VQ51-0AF6 solar plant isolator



3LD2 217-1TL13 switch for floor mounting, 250 A, with rotary operating mechanism and door coupling

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

General data

More information

Standards		DIN VDE 0660, IEC 60947									
Switches		Type	3LD2 0	3LD2 1	3LD2 2	3LD2 5	3LD2 7	3LD2 8	3LD2 3	3LD2 4	
Number of contacts			3/4								
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}		V	690	690	690	690	690	690	690	690	
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 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	Rating										
In-service switching of individual motors	At 220 V ... 240 V	kW	3.0	4.0	5.5	11.0	18.5	22.0	35.0	55.0	
	At 380 V ... 440 V	kW	5.5	7.5	9.5	18.5	30.0	37.0	50.0	110.0	
	At 660 V/690 V	kW	5.5	7.5	9.5	15.0	22.0	30.0	37.0	45.0	
AC-23A main control switch	Rating										
Repair switch	At 220 V ... 240 V	kW	4.0	5.0	6.0	11.0	18.5	22.0	45.0	75.0	
frequent, but not in-service switching of individual motors	At 380 V ... 440 V	kW	7.5	9.5	11.5	22.0	37.0	45.0	75.0	132.0	
	At 660 V/690 V	kW	7.5	9.5	11.5	18.5	30.0	37.0	45.0	55.0	
Power loss per conducting 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 acc. 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	At 120 V	A	6								
	At 220 V ... 240 V	A	3								
	At 380 V ... 415 V	A	1.8								
	At 500 V	A	1.4								
Short-circuit protection, auxiliary switch, max. back-up fuse (gL/gG)		A	10								
Conductor cross-sections for auxiliary conductors											
Connection type			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								

SENTRON 3LD main and EMERGENCY-STOP switches for UL/CSA

Standards		UL/CSA								
Switches		Type	3LD2 0	3LD2 1	3LD2 2	3LD2 5	3LD2 7	3LD2 8	3LD2 3	3LD2 4
Rated operational voltage U_e		V AC	600	600	600	600	600	600	--	--
Rated uninterrupted current I_u		A	10	20	30	60	100	125	--	--
Conventional thermal current I_{th}	Current rating	A 600	A 600	A 600	A 600	--	--	--	--	--
	Pilot duty	P 600	P 600	P 600	P 600	--	--	--	--	--
		A	16	25	32	63	100	125	--	--
Maximum rated power (AC-3)		HP	1	3	3	5	10	15	--	--
AC motors 40 Hz ... 60 Hz		HP	3	7.5	10	15	30	40	--	--
(HP = PS)		HP	7.5	10	20	40	60	75	--	--
1 ~ 120 V	240 V	HP	10	15	30	50	75	100	--	--
		HP	0.5	2	2	3	--	--	--	--
		HP	1.5	3	3	10	--	--	--	--
Conductor cross-sections		Cu cable	AWG	18 ... 10	14 ... 8	14 ... 8	14 ... 6	12 ... 1	12 ... 1	--
Torque			Nm	1.5 ... 2	2 ... 2.5	2 ... 2.5	2.5 ... 3	2.5 ... 3	2.5 ... 3	--

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

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

Front mounting

Selection and ordering data

Number and version of the contacts		Rated data at 50 Hz ... 60 Hz, 380 V ... 440 V			DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Main contact elements	Auxiliary contact elements	P/AC-3	P/AC-23A	$I_{th}/AC-21A$							kg
		kW	kW	A							

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

- Lockable in 0 position with up to 3 padlocks
- Degree of protection at front side IP65
- All versions with rotary operating mechanism
Exception: 3LD2 3 and 3LD2 4 with knob-operated mechanism
- Including terminal cover for the infeed side
- Front plate:
 - 3LD2 0, 3LD2 1, 3LD2 2: 67 mm × 67 mm
 - 3LD2 0, 3LD2 1, 3LD2 2: 67 mm × 67 mm
 - 3LD2 3 to 3LD2 4: 96 mm × 96 mm

Four-hole mounting



3LD2 203-OTK51



3LD2 704-OTK53

3	--		5.5	7.5	16	▶	3LD2 003-OTK5□	1	1 unit	103	0.207
			7.5	9.5	25	▶	3LD2 103-OTK5□	1	1 unit	103	0.206
			9.5	11.5	32	▶	3LD2 203-OTK5□	1	1 unit	103	0.206
			18.5	22.0	63	▶	3LD2 504-OTK5□	1	1 unit	103	0.424
			30	37.0	100	▶	3LD2 704-OTK5□	1	1 unit	103	0.501
			37	45.0	125	A	3LD2 804-OTK5□	1	1 unit	103	0.503
			50	75.0	160	A	3LD2 305-OTK1□	1	1 unit	103	2.100
			110	132.0	250	A	3LD2 405-OTK1□	1	1 unit	103	2.100
			5.5	7.5	16	▶	3LD2 003-1TL5□	1	1 unit	103	0.217
			7.5	9.5	25	A	3LD2 103-1TL5□	1	1 unit	103	0.243
3 + N	--		9.5	11.5	32	A	3LD2 203-1TL5□	1	1 unit	103	0.243
			18.5	22.0	63	A	3LD2 504-1TL5□	1	1 unit	103	0.424
			30.0	37.0	100	▶	3LD2 704-OTK5□ +1)	1	1 unit	103	0.501
			37.0	45.0	125	A	3LD9 280-0B	1	1 unit	103	0.101
			37.0	45.0	125	A	3LD2 804-OTK5□ +1)	1	1 unit	103	0.503
			37.0	45.0	125	A	3LD9 280-0B	1	1 unit	103	0.101
			50	75.0	160	A	3LD2 305-1TL1□	1	1 unit	103	2.600
			110	132.0	250	A	3LD2 405-1TL1□	1	1 unit	103	2.600
3	1 NO + 1 NC		5.5	7.5	16	A	3LD2 003-1TP5□	1	1 unit	103	0.250
			7.5	9.5	25	A	3LD2 103-1TP5□	1	1 unit	103	0.249
			9.5	11.5	32	A	3LD2 203-1TP5□	1	1 unit	103	0.206
			18.5	22.0	63	A	3LD2 504-1TP5□	1	1 unit	103	0.424
			30.0	37.0	100	A	3LD2 704-1TP5□	1	1 unit	103	0.503
			37	45.0	125	A	3LD2 804-1TP5□	1	1 unit	103	0.503
			50.0	75.0	160	A	3LD2 305-OTK1□ +1)	1	1 unit	103	2.100
			50.0	75.0	160	A	3LD9 200-5B	1	1 unit	103	0.046
			110.0	132.0	250	A	3LD2 405-OTK1□ +1)	1	1 unit	103	2.100
			110.0	132.0	250	A	3LD9 200-5B	1	1 unit	103	0.046
3 + N	1 NO + 1 NC		5.5	7.5	16	A	3LD2 003-2EP5□	1	1 unit	103	0.272
			7.5	9.5	25	A	3LD2 103-2EP5□	1	1 unit	103	0.287
			9.5	11.5	32	A	3LD2 203-1TL5□ +1)	1	1 unit	103	0.243
			9.5	11.5	32	A	3LD9 200-5B	1	1 unit	103	0.046
			18.5	22.0	63	A	3LD2 504-1TP5□ +2)	1	1 unit	103	0.424
			18.5	22.0	63	A	3LD9 250-0BA	1	1 unit	103	0.079
			30.0	37.0	100	▶	3LD2 704-OTK5□ +2)	1	1 unit	103	0.501
			30.0	37.0	100	▶	3LD9 280-0B +1)	1	1 unit	103	0.101
			30.0	37.0	100	▶	3LD9 200-5B	1	1 unit	103	0.046
			37.0	45.0	125	A	3LD2 804-OTK5□ +2)	1	1 unit	103	0.503
3 + N	1 NO + 1 NC		37.0	45.0	125	A	3LD9 280-0B +1)	1	1 unit	103	0.101
			37.0	45.0	125	A	3LD9 200-5B	1	1 unit	103	0.046
			50.0	75.0	160	A	3LD2 305-1TL1□ +1)	1	1 unit	103	2.600
			50.0	75.0	160	A	3LD9 200-5B	1	1 unit	103	0.046
			110.0	132.0	250	A	3LD2 405-1TL1□ +1)	1	1 unit	103	2.600
			110.0	132.0	250	A	3LD9 200-5B	1	1 unit	103	0.046
			110.0	132.0	250	A	3LD2 405-1TL1□ +1)	1	1 unit	103	2.600
			110.0	132.0	250	A	3LD9 200-5B	1	1 unit	103	0.046
			110.0	132.0	250	A	3LD2 405-1TL1□ +1)	1	1 unit	103	2.600
			110.0	132.0	250	A	3LD9 200-5B	1	1 unit	103	0.046

Actuator color

Black

Red/yellow (EMERGENCY-STOP)

1

3

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

2) Auxiliary switches 1 NO + 1 NC to be ordered separately, see "Accessories".

* You can order this quantity or a multiple thereof.

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

Front mounting

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

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

- Lockable in 0 position with up to 3 padlocks
- Degree of protection at front side IP65
- All versions with rotary operating mechanism
Exception: 3LD2 3 and 3LD2 4 with knob-operated mechanism
- Including terminal cover for the infeed side
- Front plate
 - 3LD2 0, 3LD2 1, 3LD2 2: 67 mm × 67 mm
 - 3LD2 5 to 3LD2 8: 90 mm × 90 mm
 - 3LD2 3 to 3LD2 4: 96 mm × 96 mm

Center-hole mounting Ø 22.5 mm



3LD2 254-0TK53

3	--	5.5	7.5	16	A	3LD2 054-0TK5□	1	1 unit	103	0.215
		7.5	9.5	25	A	3LD2 154-0TK5□	1	1 unit	103	0.215
		9.5	11.5	32	A	3LD2 254-0TK5□	1	1 unit	103	0.214
		18.5	22	63	A	3LD2 555-0TK5□	1	1 unit	103	0.443
3 + N	--	5.5	7.5	16	A	3LD2 054-1TL5□	1	1 unit	103	0.230
		7.5	9.5	25	A	3LD2 154-1TL5□	1	1 unit	103	0.256
		9.5	11.5	32	A	3LD2 254-1TL5□	1	1 unit	103	0.260
		18.5	22	63	A	3LD2 555-0TK5□ +1)	1	1 unit	103	0.443
				▶	3LD9 250-0BA	1	1 unit	103	0.079	
3	1 NO + 1 NC	5.5	7.5	16	A	3LD2 054-1TP5□	1	1 unit	103	0.261
		7.5	9.5	25	A	3LD2 154-1TP5□	1	1 unit	103	0.257
		9.5	11.5	32	A	3LD2 254-0TK5□ +1)	1	1 unit	103	0.214
					▶	3LD9 200-5B	1	1 unit	103	0.046
		18.5	22	63	A	3LD2 555-0TK5□ +1)	1	1 unit	103	0.443
				▶	3LD9 200-5B	1	1 unit	103	0.046	
3 + N	1 NO + 1 NC	5.5	7.5	16	A	3LD2 054-2EP5□	1	1 unit	103	0.276
		7.5	9.5	25	C	3LD2 154-2EP5□	1	1 unit	103	0.304
		9.5	11.5	32	A	3LD2 254-1TL5□ +1)	1	1 unit	103	0.260
					▶	3LD9 200-5B	1	1 unit	103	0.046
		18.5	22	63	A	3LD2 555-0TK5□ +2)	1	1 unit	103	0.443
				▶	3LD9 250-0BA +1)	1	1 unit	103	0.079	
				▶	3LD9 200-5B	1	1 unit	103	0.046	

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

Front mounting

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

Main and EMERGENCY-STOP switches with knob-operated mechanism

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

Four-hole mounting



3LD2 222-0TK11

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

Actuator color

Black
Red/yellow (EMERGENCY-STOP)

1
3

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

²⁾ Auxiliary switches 1 NO + 1 NC to be ordered separately, see "Accessories".

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

Front mounting

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

Main and EMERGENCY-STOP switches with knob-operated mechanism

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

Center-hole mounting Ø 22.5 mm



3LD2 150-0TK13

3	--	7.5	16	A	3LD2 050-0TK1□	1	1 unit	103	0.197
		9.5	25	A	3LD2 150-0TK1□	1	1 unit	103	0.191
		11.5	32	A	3LD2 250-0TK1□	1	1 unit	103	0.192
3 + N	--	7.5	16	A	3LD2 050-1TL1□	1	1 unit	103	0.215
		9.5	25	A	3LD2 150-0TK1□ +1)	1	1 unit	103	0.191
					▶ 3LD9 200-5B	1	1 unit	103	0.046
		11.5	32	A	3LD2 250-0TK1□ +1)	1	1 unit	103	0.192
					▶ 3LD9 200-5B	1	1 unit	103	0.046
3	1 NO + 1 NC	7.5	16	A	3LD2 050-0TK1□ +2)	1	1 unit	103	0.197
					▶ 3LD9 200-5B	1	1 unit	103	0.046
		9.5	25	A	3LD2 150-0TK1□ +2)	1	1 unit	103	0.191
					▶ 3LD9 200-5B	1	1 unit	103	0.046
		11.5	32	A	3LD2 250-0TK1□ +2)	1	1 unit	103	0.192
▶ 3LD9 200-5B	1				1 unit	103	0.046		
3 + N	1 NO + 1 NC	7.5	16	A	3LD2 050-1TL1□ +2)	1	1 unit	103	0.215
					▶ 3LD9 200-5B	1	1 unit	103	0.046
		9.5	25	A	3LD2 150-0TK1□ +1)	1	1 unit	103	0.191
					▶ 3LD9 220-0B +2)	1	1 unit	103	0.039
					▶ 3LD9 200-5B	1	1 unit	103	0.046
		11.5	32	A	3LD2 250-0TK1□ +1)	1	1 unit	103	0.192
					▶ 3LD9 220-0B +2)	1	1 unit	103	0.039
▶ 3LD9 200-5B	1				1 unit	103	0.046		

Actuator color

Black

Red/yellow (EMERGENCY-STOP)

1
3

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

²⁾ Auxiliary switches 1 NO + 1 NC to be ordered separately, see "Accessories".

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

Front mounting

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

Main and EMERGENCY-STOP switches with rotary operating mechanism/knob-operated mechanism (6-pole)

- Lockable in 0 position with up to 3 padlocks
- Degree of protection at front side IP65
- All versions with rotary operating mechanism
Exception: 3LD2 3 and 3LD2 4 with knob-operated mechanism
- Including terminal cover for the infeed side
- Front plate
 - 3LD2 0, 3LD2 1, 3LD2 2: 67 mm × 67 mm
 - 3LD2 5: 90 mm × 90 mm
 - 3LD2 3 to 3LD2 4: 96 mm × 96 mm

Four-hole mounting



3LD2 103-3VK53

6	--	7.5	9.5	25	A	3LD2 103-3VK5□		1	1 unit	103	0.380
		9.5	11.5	32	A	3LD2 203-3VK5□		1	1 unit	103	0.381
		18.5	22.0	63	A	3LD2 504-3VK5□		1	1 unit	103	0.854
		50	75	160	A	3LD2 305-3VK1□		1	1 unit	103	3.900
		110	132	250	A	3LD2 405-3VK1□		1	1 unit	103	3.900
6	1 NO + 1 NC	7.5	9.5	25	A	3LD2 103-4VP5□		1	1 unit	103	0.432

Actuator color

Black

Red/yellow (EMERGENCY-STOP)

1
3

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

Changeover switches with knob-operated mechanism

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

Four-hole mounting



3LD2 123-7UK01



3LD2 405-7UL01

3	--	7.5	9.5	25	A	3LD2 123-7UK01		1	1 unit	103	0.374
		9.5	11.5	32	A	3LD2 223-7UK01		1	1 unit	103	0.378
		18.5	22.0	63	A	3LD2 524-7UK01		1	1 unit	103	0.841
		30.0	37.0	100	A	3LD2 724-7UK01		1	1 unit	103	1.061
		50	75	160	A	3LD2 305-7UK01		1	1 unit	103	4.300
		110	132	250	A	3LD2 405-7UK01		1	1 unit	103	4.400
3 + N		50	75	160	A	3LD2 305-7UL01		1	1 unit	103	5.700
		110	132	250	A	3LD2 405-7UL01		1	1 unit	103	5.700

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

Floor mounting

Selection and ordering data

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

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

- With shaft
- Lockable in 0 position with up to 3 padlocks
- Degree of protection at front side IP65
- Door-coupling rotary operating mechanism with integrated tolerance compensation (16 A to 125 A)
- All versions with rotary operating mechanism
- Exception: 3LD2 3 and 3LD2 4 with knob-operated mechanism
- Mounting using screws or snap-on mounting on 35 mm standard mounting rail (16 A to 125 A)
- Including terminal cover for the infeed side
- Front plate
 - 3LD2 0, 3LD2 1, 3LD2 2: 67 mm x 67 mm
 - 3LD2 5 to 3LD2 8: 90 mm x 90 mm
 - 3LD2 3 to 3LD2 4: 96 mm x 96 mm
- Mounting dimensions
 - 3LD2 0, 3LD2 1, 3LD2 2: 380 mm
 - 3LD2 5 to 3LD2 8: 390 mm
 - 3LD2 3 to 3LD2 4: 600 mm

Four-hole mounting



3LD2 213-0TK53

3	--	7.5	16	▶	3LD2 013-0TK5□	1	1 unit	103	0.412
		9.5	25	▶	3LD2 113-0TK5□	1	1 unit	103	0.407
		11.5	32	▶	3LD2 213-0TK5□	1	1 unit	103	0.405
		22	63	▶	3LD2 514-0TK5□	1	1 unit	103	0.655
		37	100	▶	3LD2 714-0TK5□	1	1 unit	103	0.765
		45	125	A	3LD2 814-0TK5□	1	1 unit	103	0.766
		75	160	A	3LD2 318-0TK1□	1	1 unit	103	2.400
		132	250	A	3LD2 418-0TK1□	1	1 unit	103	2.700
3 + N	--	7.5	16	▶	3LD2 013-1TL5□	1	1 unit	103	0.412
		9.5	25	A	3LD2 113-1TL5□	1	1 unit	103	0.450
		11.5	32	A	3LD2 213-1TL5□	1	1 unit	103	0.446
		22	63	A	3LD2 514-1TL5□	1	1 unit	103	0.720
		37	100	▶	3LD2 714-0TK5□ +1)	1	1 unit	103	0.765
				▶	3LD9 280-0C	1	1 unit	103	0.102
		45	125	A	3LD2 814-0TK5□ +1)	1	1 unit	103	0.766
				▶	3LD9 280-0C	1	1 unit	103	0.102
		75	160	A	3LD2 318-1TL1□	1	1 unit	103	2.900
		132	250	A	3LD2 418-1TL1□	1	1 unit	103	3.200

Actuator color

Black

Red/yellow (EMERGENCY-STOP)

1
3

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

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

Floor mounting

Number and version of the contacts		Rated data at 50 Hz ... 60 Hz, 380 V ... 440 V		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Main contact elements	Auxiliary contact elements	P/AC-23A	I _u							
		kW	A							kg
 3LD2 213-0TK53	3	1 NO + 1 NC	7.5	16	▶ 3LD2 013-0TK5□ +2)		1	1 unit	103	0.412
					▶ 3LD9 200-5C		1	1 unit	103	0.046
			9.5	25	▶ 3LD2 113-0TK5□ +2)		1	1 unit	103	0.407
					▶ 3LD9 200-5C		1	1 unit	103	0.046
			11.5	32	▶ 3LD2 213-0TK5□ +2)		1	1 unit	103	0.405
					▶ 3LD9 200-5C		1	1 unit	103	0.046
			22	63	▶ 3LD2 514-0TK5□ +2)		1	1 unit	103	0.655
					▶ 3LD9 200-5C		1	1 unit	103	0.046
			37	100	▶ 3LD2 714-0TK5□ +2)		1	1 unit	103	0.765
					▶ 3LD9 200-5C		1	1 unit	103	0.046
			45	125	A 3LD2 814-0TK5□ +2)		1	1 unit	103	0.766
					▶ 3LD9 200-5C		1	1 unit	103	0.046
			75	160	A 3LD2 318-0TK1□ +1)		1	1 unit	103	2.400
					▶ 3LD9 200-5C		1	1 unit	103	0.046
			132	250	A 3LD2 418-0TK1□ +1)		1	1 unit	103	2.700
					▶ 3LD9 200-5C		1	1 unit	103	0.046
			3 + N	1 NO + 1 NC	7.5	▶ 3LD2 013-1TL5□ +2)	1	1 unit	103	0.412
					▶ 3LD9 200-5C		1	1 unit	103	0.046
			9.5	25	A 3LD2 113-1TL5□ +2)		1	1 unit	103	0.450
					▶ 3LD9 200-5C		1	1 unit	103	0.046
			11.5	32	A 3LD2 213-1TL5□ +2)		1	1 unit	103	0.446
					▶ 3LD9 200-5C		1	1 unit	103	0.046
			22	63	A 3LD2 514-1TL5□ +2)		1	1 unit	103	0.720
					▶ 3LD9 200-5C		1	1 unit	103	0.046
			37	100	▶ 3LD2 714-0TK5□ +1)		1	1 unit	103	0.765
					▶ 3LD9 280-0C +2)		1	1 unit	103	0.102
					▶ 3LD9 200-5C		1	1 unit	103	0.046
			45	125	A 3LD2 814-0TK5□ +1)		1	1 unit	103	0.766
					▶ 3LD9 280-0C +2)		1	1 unit	103	0.102
					▶ 3LD9 200-5C		1	1 unit	103	0.046
			75	160	A 3LD2 318-1TL1□ +2)		1	1 unit	103	2.900
					▶ 3LD9 200-5C		1	1 unit	103	0.046
			132	250	A 3LD2 418-1TL1□ +2)		1	1 unit	103	3.200
					▶ 3LD9 200-5C		1	1 unit	103	0.046

Actuator color

Black

Red/yellow (EMERGENCY-STOP)

1
3

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

²⁾ Auxiliary switches 1 NO + 1 NC to be ordered separately, see "Accessories".

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

Floor mounting

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

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

- With shaft
- Lockable in 0 position with up to 3 padlocks
- Degree of protection at front side IP65
- Door-coupling rotary operating mechanism with integrated tolerance compensation (16 A to 125 A)
- All versions with rotary operating mechanism
- Exception: 3LD2 3 and 3LD2 4 with knob-operated mechanism
- Mounting using screws or snap-on mounting on 35 mm standard mounting rail (16 A to 125 A)
- Including terminal cover for the infeed side
- Front plate
 - 3LD2 0, 3LD2 1, 3LD2 2: 67 mm x 67 mm
 - 3LD2 5 to 3LD2 8: 90 mm x 90 mm
 - 3LD2 3 to 3LD2 4: 96 mm x 96 mm
- Mounting dimensions
 - 3LD2 0, 3LD2 1, 3LD2 2: 380 mm
 - 3LD2 5 to 3LD2 8: 390 mm
 - 3LD2 3 to 3LD2 4: 600 mm

Center-hole mounting Ø 22.5 mm



3LD2 144-0TK53

3	--	7.5	16	A	3LD2 044-0TK5□	1	1 unit	103	0.430
		9.5	25	A	3LD2 144-0TK5□	1	1 unit	103	0.426
		11.5	32	A	3LD2 244-0TK5□	1	1 unit	103	0.427
		22	63	A	3LD2 545-0TK5□	1	1 unit	103	0.710
3 + N	--	7.5	16	A	3LD2 044-1TL5□	1	1 unit	103	0.433
		9.5	25	A	3LD2 144-1TL5□	1	1 unit	103	0.461
		11.5	32	A	3LD2 244-1TL5□	1	1 unit	103	0.465
		22	63	A	3LD2 545-0TK5□ +1)	1	1 unit	103	0.710
3	1 NO + 1 NC	7.5	16	A	▶ 3LD9 250-0CA	1	1 unit	103	0.080
					3LD2 044-0TK5□ +2)	1	1 unit	103	0.430
					▶ 3LD9 200-5C	1	1 unit	103	0.046
		9.5	25	A	3LD2 144-0TK5□ +2)	1	1 unit	103	0.426
					▶ 3LD9 200-5C	1	1 unit	103	0.046
		11.5	32	A	3LD2 244-0TK5□ +2)	1	1 unit	103	0.427
					▶ 3LD9 200-5C	1	1 unit	103	0.046
		22	63	A	3LD2 545-0TK5□ +2)	1	1 unit	103	0.710
3 + N	1 NO + 1 NC	7.5	16	A	▶ 3LD9 200-5C	1	1 unit	103	0.046
					3LD2 044-1TL5□ +2)	1	1 unit	103	0.433
					▶ 3LD9 200-5C	1	1 unit	103	0.046
		9.5	25	A	3LD2 144-1TL5□ +2)	1	1 unit	103	0.461
					▶ 3LD9 200-5C	1	1 unit	103	0.046
		11.5	32	A	3LD2 244-1TL5□ +2)	1	1 unit	103	0.465
					▶ 3LD9 200-5C	1	1 unit	103	0.046
		22	63	A	3LD2 545-0TK5□ +1)	1	1 unit	103	0.710
					▶ 3LD9 250-0CA	1	1 unit	103	0.080
					▶ 3LD9 200-5C	1	1 unit	103	0.046

Actuator color

Black
Red/yellow (EMERGENCY-STOP)

1
3

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

2) Auxiliary switches 1 NO + 1 NC to be ordered separately, see "Accessories".

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

Floor mounting

Number and version of the contacts		Rated data at 50 Hz ... 60 Hz, 380 V ... 440 V			DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Main contact elements	Auxiliary contact elements	P/AC-3	P/AC-23A	I_u							
		kW	kW	A							kg
Main and EMERGENCY-STOP switches with door-coupling rotary operating mechanism (6-pole) • Lockable in 0 position with up to 3 padlocks • Degree of protection at front side IP65 • Door-coupling rotary operating mechanism with integrated tolerance compensation (for 3LD21) • All versions with rotary operating mechanism Exception: 3LD2 3 and 3LD2 4 with door-coupling rotary operating mechanism as selector switch • Mounting using screws or snap-on mounting on 35 mm standard mounting rail • Including terminal cover for the infeed side • Front plate - 3LD2 0, 3LD2 1, 3LD2 2: 67 mm × 67 mm - 3LD2 3, 3LD2 4: 96 mm × 96 mm											

Four-hole mounting



3LD2 113-3VK51

6	--	7.5	9.5	25	C	3LD2 113-3VK5□		1	1 unit	103	0.604
6	--	50	75	160	A	3LD2 318-3VK1□		1	1 unit	103	4.500
6	--	110	132	250	A	3LD2 418-3VK1□		1	1 unit	103	4.500
6	1 NO + 1 NC	9.5	9.5	25	C	3LD2 113-4VP5□		1	1 unit	103	0.645

Actuator color

Black
Red/yellow (EMERGENCY-STOP)

1
3

Number and version of the contacts		Rated data at 50 Hz ... 60 Hz, 380 V ... 440 V			DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Main contact elements	Auxiliary contact elements	P/AC-3	P/AC-23A	I_u							
		kW	kW	A							kg
Changeover switches with door-coupling rotary operating mechanism • Lockable in 0 position with up to 3 padlocks • Handle and cover black • Door-coupling rotary operating mechanisms as selector switch • Degree of protection at front side IP65											
Four-hole mounting											
3		50	75	160	A	3LD2 318-7UK01		1	1 unit	103	5.000
3		110	132	250	A	3LD2 418-7UK01		1	1 unit	103	5.000
3 + N		50	75	160	A	3LD2 318-7UL01		1	1 unit	103	6.400
3 + N		110	132	250	A	3LD2 418-7UL01		1	1 unit	103	6.400

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

Floor mounting

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

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

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

SENTRON 3LD main 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
- Degree of protection at front side IP65
- Door-coupling rotary operating mechanism with integrated tolerance compensation
- Mounting using screws or snap-on mounting on 35 mm standard mounting rail
- Including terminal cover for the infeed side
- Front plate 65 mm × 65 mm

Four-hole mounting



3LD2 017-0TK..

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

Actuator color

Black
Red/yellow (EMERGENCY-STOP)

1
3

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

Distribution board mounting

Selection and ordering data

Number and version of the contacts		Rated data at 50 Hz ... 60 Hz, 380 V ... 440 V		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Main contact elements	Auxiliary contact elements	P/AC-23A	I_u							kg
		kW	A							
ON/OFF and EMERGENCY-STOP switches with masking plate and selector switch - With screw mounting With snap-on mounting on 35 mm standard mounting rail (16 A to 125 A) - Lockable in 0 position with up to 2 (160 A and 250 A: max. 3) padlocks - Degree of protection at front side IP44 - Including terminal cover for the infeed and outgoing terminal (160 A and 250 A)										
 3LD2 530-0TK13	3	--	7.5	16	A	3LD2 030-0TK1□	1	1 unit	103	0.169
			9.5	25	A	3LD2 130-0TK1□	1	1 unit	103	0.171
			11.5	32	A	3LD2 230-0TK1□	1	1 unit	103	0.168
			22	63	A	3LD2 530-0TK1□	1	1 unit	103	0.311
			37	100	A	3LD2 730-0TK1□	1	1 unit	103	0.379
			45	125	A	3LD2 830-0TK1□	1	1 unit	103	0.379
			75	160	A	3LD2 330-0TK1□	1	1 unit	103	2.000
			132	250	A	3LD2 430-0TK1□	1	1 unit	103	2.000
 3LD2 330-0TK11	3 + N	--	7.5	16	A	3LD2 030-1TL1□	1	1 unit	103	0.183
			9.5	25	A	3LD2 130-0TK1□ + ¹⁾	1	1 unit	103	0.171
					▶	3LD9 220-0C	1	1 unit	103	0.039
			11.5	32	A	3LD2 230-0TK1□ + ¹⁾	1	1 unit	103	0.168
					▶	3LD9 220-0C	1	1 unit	103	0.039
			22	63	A	3LD2 530-0TK1□ + ¹⁾	1	1 unit	103	0.311
					▶	3LD9 250-0CA	1	1 unit	103	0.080
			37	100	A	3LD2 730-0TK1□ + ¹⁾	1	1 unit	103	0.379
					▶	3LD9 280-0C	1	1 unit	103	0.102
			45	125	A	3LD2 830-0TK1□ + ¹⁾	1	1 unit	103	0.379
					▶	3LD9 280-0C	1	1 unit	103	0.102
			75	160	A	3LD2 330-0TK1□ + ¹⁾	1	1 unit	103	2.000
					▶	3LD9 240-0C	1	1 unit	103	0.500
			132	250	A	3LD2 430-0TK1□ + ¹⁾	1	1 unit	103	2.000
					▶	3LD9 240-0C	1	1 unit	103	0.500

Actuator color

Black

Red/yellow (EMERGENCY-STOP)

1

3

¹⁾ 4th contact element as N conductor to be ordered separately;
see "Accessories for floor mounting".

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

Distribution board mounting



3LD2 530-0TK11

Number and version of the contacts		Rated data at 50 Hz ... 60 Hz, 380 V ... 440 V		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Main contact elements	Auxiliary contact elements	P/AC-23A	I _u							kg
		kW	A							
3	1 NO + 1 NC	7.5	16	A	3LD2 030-0TK1□ +2)		1	1 unit	103	0.169
					3LD9 200-5C		1	1 unit	103	0.046
		9.5	25	A	3LD2 130-0TK1□ +2)		1	1 unit	103	0.171
					3LD9 200-5C		1	1 unit	103	0.046
		11.5	32	A	3LD2 230-0TK1□ +2)		1	1 unit	103	0.168
					3LD9 200-5C		1	1 unit	103	0.046
		22	63	A	3LD2 530-0TK1□ +2)		1	1 unit	103	0.311
					3LD9 200-5C		1	1 unit	103	0.046
		37	100	A	3LD2 730-0TK1□ +2)		1	1 unit	103	0.379
					3LD9 200-5C		1	1 unit	103	0.046
		45	125	A	3LD2 830-0TK1□ +2)		1	1 unit	103	0.379
					3LD9 200-5C		1	1 unit	103	0.046
		75	160	A	3LD2 330-0TK1□ +2)		1	1 unit	103	2.000
					3LD9 200-5C		1	1 unit	103	0.046
		132	250	A	3LD2 430-0TK1□ +2)		1	1 unit	103	2.000
					3LD9 200-5C		1	1 unit	103	0.046
3 + N	1 NO + 1 NC	7.5	16	A	3LD2 030-1TL1□ +2)		1	1 unit	103	0.183
					3LD9 200-5C		1	1 unit	103	0.046
		9.5	25	A	3LD2 130-0TK1□ +2)		1	1 unit	103	0.171
					3LD9 200-5C +1)		1	1 unit	103	0.046
		11.5	32	A	3LD9 220-0C		1	1 unit	103	0.039
					3LD2 230-0TK1□ +2)		1	1 unit	103	0.168
		22	63	A	3LD9 200-5C +1)		1	1 unit	103	0.046
					3LD9 220-0C		1	1 unit	103	0.039
		37	100	A	3LD2 530-0TK1□ +2)		1	1 unit	103	0.311
					3LD9 200-5C +1)		1	1 unit	103	0.046
		45	125	A	3LD9 250-0CA		1	1 unit	103	0.080
					3LD2 730-0TK1□ +2)		1	1 unit	103	0.379
		75	160	A	3LD9 200-5C +1)		1	1 unit	103	0.046
					3LD9 280-0C		1	1 unit	103	0.102
		132	250	A	3LD2 830-0TK1□ +2)		1	1 unit	103	0.379
					3LD9 200-5C +1)		1	1 unit	103	0.046
					3LD9 280-0C		1	1 unit	103	0.102
					3LD2 330-0TK1□ +2)		1	1 unit	103	2.000
					3LD9 200-5C +1)		1	1 unit	103	0.046
					3LD9 240-0C		1	1 unit	103	0.500
					3LD2 430-0TK1□ +2)		1	1 unit	103	2.000
					3LD9 200-5C +1)		1	1 unit	103	0.046
					3LD9 240-0C		1	1 unit	103	0.500

Actuator color

Black

Red/yellow (EMERGENCY-STOP)

1
3

¹⁾ 4th contact element as N conductor to be ordered separately; see "Accessories for floor mounting".

²⁾ Auxiliary switches 1 NO + 1 NC to be ordered separately; see "Accessories".

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

Molded-plastic enclosure

Selection and ordering data

Number and version of the contacts		Base terminal	Rated data at 50 Hz ... 60 Hz, 380 V ... 440 V		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Main contact elements	Auxiliary contact elements		P/AC-23A	I_u							
kW						A					kg
Main and EMERGENCY-STOP switches											
• With N- and/or PE-/ground base terminals • Lockable in 0 position with up to 3 padlocks • Degree of protection IP65 • Rotary operating mechanisms with center-hole mounting • For floor-mounted auxiliary switches • Metric screw connection											
3	--	PE + N	7.5	16	A	3LD2 064-0TB5□		1	1 unit	103	0.463
		PE + N	9.5	25	A	3LD2 164-0TB5□		1	1 unit	103	0.463
		PE + N	11.5	32	A	3LD2 264-0TB5□		1	1 unit	103	0.465
		PE + N	22	63	A	3LD2 565-0TB5□		1	1 unit	103	0.906
		PE + N	37	100	A	3LD2 766-0TB5□		1	1 unit	103	1.890
		PE + N	45	125	A	3LD2 866-0TB5□		1	1 unit	103	1.890
3 + N	--	PE	7.5	16	A	3LD2 064-1TC5□		1	1 unit	103	0.453
		PE	9.5	25	A	3LD2 164-1TC5□		1	1 unit	103	0.487
		PE	11.5	32	C	3LD2 264-1TC5□		1	1 unit	103	0.500
		PE	22	63	C	3LD2 565-1TC5□		1	1 unit	103	0.960
		PE + N	37	100	A	3LD2 766-0TB5□ +1)		1	1 unit	103	1.890
					▶ 3LD9 280-0C		1	1 unit	103	0.102	
		PE + N	45	125	A	3LD2 866-0TB5□ +1)		1	1 unit	103	1.890
					▶ 3LD9 280-0C		1	1 unit	103	0.102	
3	1 NO + 1 NC	N	7.5	16	A	3LD2 064-1GP5□		1	1 unit	103	0.507
		N	9.5	25	A	3LD2 164-1GP5□		1	1 unit	103	0.501
		N	11.5	32	A	3LD2 264-1GP5□		1	1 unit	103	0.488
		N	22	63	A	3LD2 565-1GP5□		1	1 unit	103	0.935
		N	37	100	A	3LD2 766-1GP5□		1	1 unit	103	1.838
		N	45	125	A	3LD2 866-1GP5□		1	1 unit	103	1.843
3 + N	1 NO + 1 NC	PE	7.5	16	A	3LD2 064-1TC5□ +2)		1	1 unit	103	0.453
					▶ 3LD9 200-5C		1	1 unit	103	0.046	
		PE	9.5	25	A	3LD2 164-1TC5□ +2)		1	1 unit	103	0.487
					▶ 3LD9 200-5C		1	1 unit	103	0.046	
		PE	11.5	32	C	3LD2 264-1TC5□ +2)		1	1 unit	103	0.500
					▶ 3LD9 200-5C		1	1 unit	103	0.046	
		PE	22	63	C	3LD2 565-1TC5□ +2)		1	1 unit	103	0.960
					▶ 3LD9 200-5C		1	1 unit	103	0.046	
		N	37	100	A	3LD2 766-1GP5□ +2)		1	1 unit	103	1.838
					▶ 3LD9 280-0C		1	1 unit	103	0.102	
		N	45	125	A	3LD2 866-1GP5□ +2)		1	1 unit	103	1.843
					▶ 3LD9 280-0C		1	1 unit	103	0.102	

Actuator color

Black
Red/yellow (EMERGENCY-STOP)

1
3

¹⁾ 4th contact element as N conductor to be ordered separately;
see "Accessories for floor mounting".

²⁾ Auxiliary switches 1 NO + 1 NC to be ordered separately;
see "Accessories".

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

Molded-plastic enclosure

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

Main 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



3LD2 165-3VB53

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

Actuator color

Black

Red/yellow (EMERGENCY-STOP)

1
3

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

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

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



3LD2 165-7UB01

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

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

DC applications

Mains voltage	Rated current I_e at 800 V DC		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Max.	DC-21A	DC-22A							
V DC	A	A							kg

Solar plant isolators in molded-plastic enclosure

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



3LD2 265-8VQ5.-0AF6

800	32	16	A	3LD2 265-8VQ5□-0AF6		1	1 unit	103	0.878
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Actuator color

- Black
- Red/yellow (EMERGENCY-STOP)

1
3

Mains voltage	Rated current I_e at 800 V DC		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Max.	DC-21A	DC-22A							
V DC	A	A							kg

Solar plant isolators for distribution board mounting

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



3LD2 265-8VQ11-0AF6

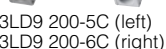
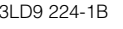
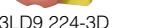
800	32	16	A	3LD2 230-8VQ11-0AF6		1	1 unit	103	0.878
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Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

Accessories

Selection and ordering data

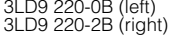
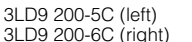
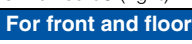
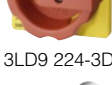
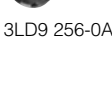
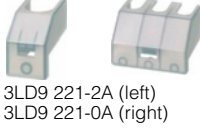
Version		DT	3LD2 0	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
		Order No.	Price per PU				
For front mounting							
	N or PE terminals	▶	3LD9 200-2B	1	1 unit	103	0.030
	Continuous						
Auxiliary switches							
	For mounting on the left and/or right, lagging switch-on, leading switch-off	▶	3LD9 200-5B	1	1 unit	103	0.046
	• 1 NO + 1 NC						
	For mounting on the left and/or right, lagging switch-on, with gold-plate contacts for SIMATIC request, leading switch-off	▶	3LD9 200-5BF	1	1 unit	103	0.028
	• 1 NO + 1 NC	C					
For floor mounting, distribution board mounting or molded-plastic enclosures							
	N or PE terminals	▶	3LD9 200-2C	1	1 unit	103	0.032
	Continuous						
Auxiliary switches							
	For mounting on the left and/or right, lagging switch-on, leading switch-off	▶	3LD9 200-5C	1	1 unit	103	0.046
	• 1 NO + 1 NC						
	• 2 NO	▶	3LD9 200-6C	1	1 unit	103	0.046
	For mounting on the left and/or right, lagging switch-on, with gold-plate contacts for SIMATIC request, leading switch-off						
	• 1 NO + 1 NC	C	3LD9 200-5CF	1	1 unit	103	0.028
For front and floor mounting							
Rotary operating mechanisms							
	Lockable in 0 position with up to 3 padlocks						
	• For four-hole mounting, including seal						
	- Black	A	3LD9 224-1B	1	1 unit	103	0.072
	- Red/yellow	A	3LD9 224-3B	1	1 unit	103	0.075
	• For center-hole mounting, including seal and nut						
	- Black	A	3LD9 224-1D	1	1 unit	103	0.080
	- Red/yellow	A	3LD9 224-3D	1	1 unit	103	0.081
Mounting tools							
	For center-hole mounting with nut	A	3LD9 256-0A	1	5 units	103	0.027
Switching shafts 6 x 6 mm							
	Length 300 mm	C	3LD9 205-0C	1	5 units	103	0.476
	Length 600 mm	C	3LD9 205-2C	1	5 units	103	0.476
Inscription labels							
	With English/German inscription (MAIN SWITCH/HAUPTSCHALTER)	A	3LD9 286-1A	1	10 units	103	0.005
	Without inscription	A	3LD9 286-4A	1	10 units	103	0.054
Terminal covers as additional touch protection (also for distribution board mounting)							
	Can be snapped on at top and bottom						
	• 1-pole	A	3LD9 201-2A	100	4 units	103	0.200
	• 3-/4-pole	A	3LD9 201-1A	1	4 units	103	0.007

* You can order this quantity or a multiple thereof.

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

Accessories

Version		DT	3LD2 1 and 3LD2 2	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
			Order No.	Price per PU			kg
For front mounting							
	4th contact (N conductor)	▶	3LD9 220-0B	1	1 unit	103	0.039
	Leading switch-on, lagging switch-off						
	N or PE terminals	▶	3LD9 220-2B	1	1 unit	103	0.036
	Continuous						
	Auxiliary switches						
	For mounting on the left and/or right, lagging switch-on, leading switch-off						
	• 1 NO + 1 NC	▶	3LD9 200-5B	1	1 unit	103	0.046
	For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plate contacts for SIMATIC request						
	• 1 NO + 1 NC	C	3LD9 200-5BF	1	1 unit	103	0.028
For floor mounting, distribution board mounting or molded-plastic enclosures							
	4th contact (N conductor)	▶	3LD9 220-0C	1	1 unit	103	0.039
	Leading switch-on, lagging switch-off						
	N or PE terminals	▶	3LD9 220-2C	1	1 unit	103	0.037
	Continuous						
	Auxiliary switches						
	For mounting on the left and/or right, lagging switch-on, leading switch-off						
	• 1 NO + 1 NC	▶	3LD9 200-5C	1	1 unit	103	0.046
	• 2 NO	▶	3LD9 200-6C	1	1 unit	103	0.046
	For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plate contacts for SIMATIC request						
	• 1 NO + 1 NC	C	3LD9 200-5CF	1	1 unit	103	0.028
For front and floor mounting							
	Rotary operating mechanisms						
	Lockable in 0 position with up to 3 padlocks						
	• For four-hole mounting						
	- Black	A	3LD9 224-1B	1	1 unit	103	0.072
	- Red/yellow	A	3LD9 224-3B	1	1 unit	103	0.075
	For center-hole mounting, including seal and nut						
	- Black	A	3LD9 224-1D	1	1 unit	103	0.080
	- Red/yellow	A	3LD9 224-3D	1	1 unit	103	0.081
	Mounting tools						
	For center-hole mounting with nut	A	3LD9 256-0A	1	5 units	103	0.027
	Switching shafts 6 x 6 mm						
	Length 300 mm	C	3LD9 205-0C	1	5 units	103	0.476
	Length 600 mm	C	3LD9 205-2C	1	5 units	103	0.476
	Inscription labels						
	With English/German inscription (MAIN SWITCH/HAUPTSCHALTER)	A	3LD9 286-1A	1	10 units	103	0.005
	Without inscription	A	3LD9 286-4A	1	10 units	103	0.054
	Terminal covers as additional touch protection (also for distribution board mounting)						
	Can be snapped on at top and bottom						
	• 1-pole	A	3LD9 221-2A	100	4 units	103	0.100
	• 3-pole	A	3LD9 221-0A	1	4 units	103	0.007

* You can order this quantity or a multiple thereof.

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

Accessories

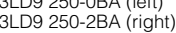
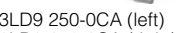
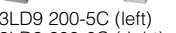
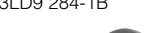
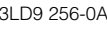
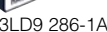
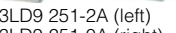
Version		DT	3LD2 3 and 3LD2 4	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
			Order No.	Price per PU	kg		
For front mounting							
 3LD9 240-0B (left) 3LD9 240-2B (right)	4th contact (N conductor) Leading switch-on, lagging switch-off	▶	3LD9 240-0B	1	1 unit	103	0.500
	N or PE terminals Continuous	▶	3LD9 240-2B	1	1 unit	103	0.450
 3LD9 200-5B	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-plate contacts for SIMATIC request • 1 NO + 1 NC	▶ C	3LD9 200-5B 3LD9 200-5BF	1 1	1 unit 1 unit	103 103	0.046 0.028
For floor and distribution board mounting							
 3LD9 240-0C (left) 3LD9 240-2C (right)	4th contact (N conductor) Leading switch-on, lagging switch-off	▶	3LD9 240-0C	1	1 unit	103	0.500
	N or PE terminals Continuous	▶	3LD9 240-2C	1	1 unit	103	0.450
 3LD9 200-5C (left) 3LD9 200-6C (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-plate contacts for SIMATIC request • 1 NO + 1 NC	▶ ▶ C	3LD9 200-5C 3LD9 200-6C 3LD9 200-5CF	1 1 1	1 unit 1 unit 1 unit	103 103 103	0.046 0.046 0.028
For front and floor mounting							
 3LD9 243-1B	Knob-operated mechanism Lockable in 0 position with up to 3 padlocks						
	• For four-hole mounting, including seal - Black - Red/yellow	A A	3LD9 243-1B 3LD9 243-3B	1 1	1 unit 1 unit	103 103	0.154 0.154
	Switching shafts 8 x 8 mm Length 300 mm	C	3LD9 245-0C	1	5 units	103	0.476
	Length 600 mm	C	3LD9 245-2C	1	5 units	103	0.476
 3LD9 286-1A	Inscription labels With English/German inscription (MAIN SWITCH/HAUPTSCHALTER)	A	3LD9 286-1A	1	10 units	103	0.005
	Without inscription	A	3LD9 286-4A	1	10 units	103	0.054
 3LD9 241-2A	Terminal covers as additional touch protection (also for distribution board mounting) Can be snapped on at top and bottom						
	• 1-pole	A	3LD9 241-2A	1	4 units	103	0.010

* You can order this quantity or a multiple thereof.

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

Accessories

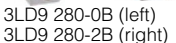
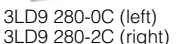
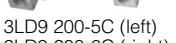
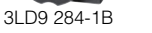
Version		DT	3LD2 5	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
			Order No.	Price per PU			kg
For front mounting							
	4th contact (N conductor)	►	3LD9 250-0BA	1	1 unit	103	0.079
	Leading switch-on, lagging switch-off						
	N or PE terminals	►	3LD9 250-2BA	1	1 unit	103	0.072
	Continuous						
	Auxiliary switches						
	For mounting on the left and/or right, lagging switch-on, leading switch-off						
	• 1 NO + 1 NC	►	3LD9 200-5B	1	1 unit	103	0.046
	For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plate contacts for SIMATIC request						
	• 1 NO + 1 NC	C	3LD9 200-5BF	1	1 unit	103	0.028
For floor mounting, distribution board mounting or molded-plastic enclosures							
	4th contact (N conductor)	►	3LD9 250-0CA	1	1 unit	103	0.080
	Leading switch-on, lagging switch-off						
	N or PE terminals	►	3LD9 250-2CA	1	1 unit	103	0.073
	Continuous						
	Auxiliary switches						
	For mounting on the left and/or right, lagging switch-on, leading switch-off						
	• 1 NO + 1 NC	►	3LD9 200-5C	1	1 unit	103	0.046
	• 2 NO	►	3LD9 200-6C	1	1 unit	103	0.046
	For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plate contacts for SIMATIC request						
	• 1 NO + 1 NC	C	3LD9 200-5CF	1	1 unit	103	0.028
For front and floor mounting							
	Rotary operating mechanisms						
	Lockable in 0 position with up to 3 padlocks						
	• For four-hole mounting, including seal						
	- Black	A	3LD9 284-1B	1	1 unit	103	0.154
	- Red/yellow	A	3LD9 284-3B	1	1 unit	103	0.152
	• For center-hole mounting, including seal and nut						
	- Black	A	3LD9 284-1D	1	1 unit	103	0.155
	- Red/yellow	A	3LD9 284-3D	1	1 unit	103	0.155
	Mounting tools						
	For center-hole mounting with nut	A	3LD9 256-0A	1	5 units	103	0.027
	Switching shafts 6 x 6 mm						
	Length 300 mm	C	3LD9 205-0C	1	5 units	103	0.476
	Length 600 mm	C	3LD9 205-2C	1	5 units	103	0.476
	Inscription labels						
	With English/German inscription (MAIN SWITCH/HAUPTSCHALTER)	A	3LD9 286-1A	1	10 units	103	0.005
	Without inscription	A	3LD9 286-4A	1	10 units	103	0.054
	Terminal covers as additional touch protection (also for distribution board mounting)						
	Can be snapped on at top and bottom						
	• 1-pole	A	3LD9 251-2A	100	4 units	103	0.100
	• 3-pole	A	3LD9 251-0A	1	4 units	103	0.009

* You can order this quantity or a multiple thereof.

Switch Disconnectors, Main and EMERGENCY-STOP Switches

SENTRON 3LD Main and EMERGENCY-STOP Switches up to 250 A

Accessories

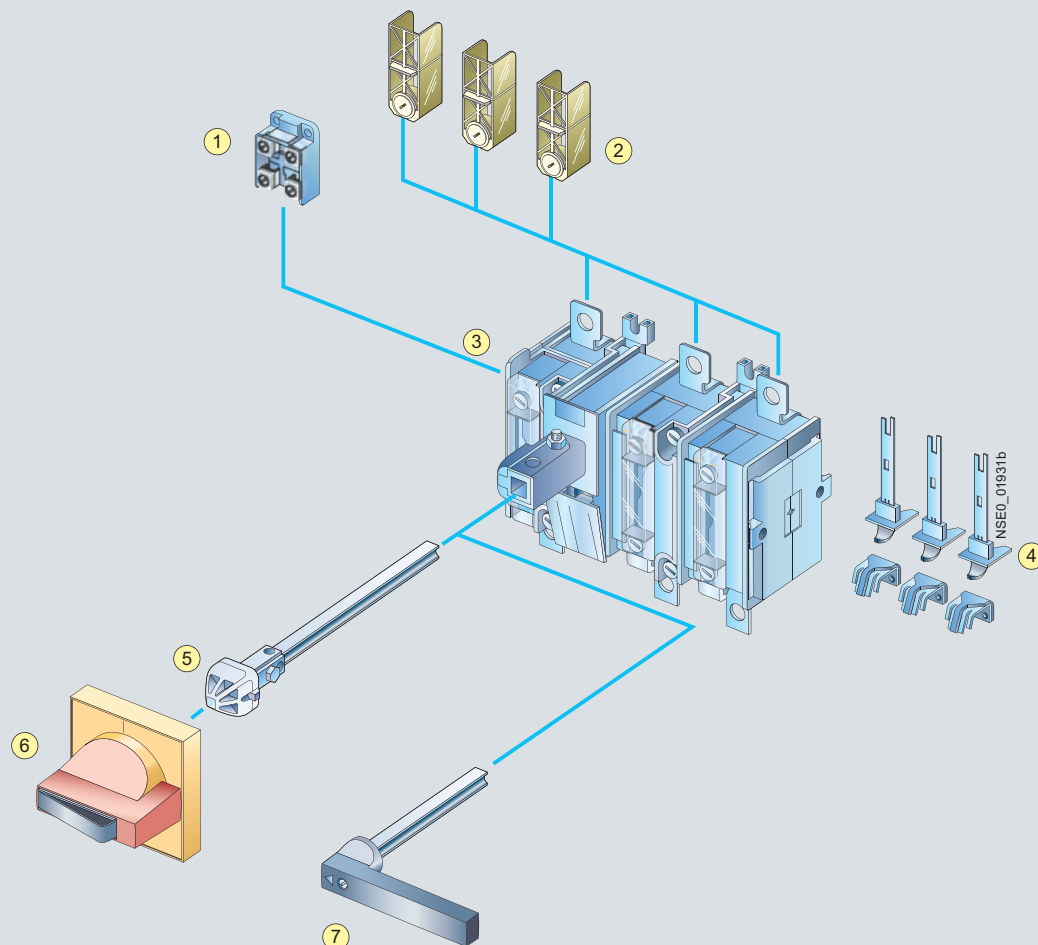
Version		DT	3LD2 7 and 3LD2 8	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
			Order No.	Price per PU			kg
For front mounting							
	4th contact (N conductor)	▶	3LD9 280-0B	1	1 unit	103	0.101
	Leading switch-on, lagging switch-off						
	N or PE terminals	▶	3LD9 280-2B	1	1 unit	103	0.092
	Continuous						
	Auxiliary switches						
	For mounting on the left and/or right, lagging switch-on, leading switch-off						
	• 1 NO + 1 NC	▶	3LD9 200-5B	1	1 unit	103	0.046
	For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plate contacts for SIMATIC request						
	• 1 NO + 1 NC	C	3LD9 200-5BF	1	1 unit	103	0.028
For floor mounting, distribution board mounting or molded-plastic enclosures							
	4th contact (N conductor)	▶	3LD9 280-0C	1	1 unit	103	0.102
	Leading switch-on, lagging switch-off						
	N or PE terminals	▶	3LD9 280-2C	1	1 unit	103	0.093
	Continuous						
	Auxiliary switches						
	For mounting on the left and/or right, lagging switch-on, leading switch-off						
	• 1 NO + 1 NC	▶	3LD9 200-5C	1	1 unit	103	0.046
	• 2 NO	▶	3LD9 200-6C	1	1 unit	103	0.046
	For mounting on the left and/or right, lagging switch-on, leading switch-off, with gold-plate contacts for SIMATIC request						
	• 1 NO + 1 NC	C	3LD9 200-5CF	1	1 unit	103	0.028
For front and floor mounting							
	Rotary operating mechanisms for four-hole mounting						
	Lockable in 0 position with up to 3 padlocks, including seal						
	• Black	A	3LD9 284-1B	1	1 unit	103	0.154
	• Red/yellow	A	3LD9 284-3B	1	1 unit	103	0.152
	Switching shafts 6 x 6 mm						
	Length 300 mm	C	3LD9 205-0C	1	5 units	103	0.476
	Length 600 mm	C	3LD9 205-2C	1	5 units	103	0.476
	Inscription labels						
	With English/German inscription (MAIN SWITCH/HAUPTSCHALTER)	A	3LD9 286-1A	1	10 units	103	0.005
	Without inscription	A	3LD9 286-4A	1	10 units	103	0.054
	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)	A	3LD9 281-2A	1	4 units	103	0.007

Switch Disconnectors, Main and EMERGENCY-STOP Switches

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

General data

Overview



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

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

For the 3KA switch disconnectors, complete kits for standard and EMERGENCY-STOP application are available for installation in the side and rear panels of control cabinets.

A changeover operating mechanism is available for the use of 2 switch disconnectors in the 3KE series as load changeover switches.

An operating linkage permits simultaneous switching of two 3KE switch disconnectors with identical or different rated operational currents.

Identical accessories for 3KA switch disconnectors and for 3KL and 3KM switch disconnectors with fuses simplify stock keeping.

Application

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

All 3K switch disconnectors are climate-proof and meet the requirements of IEC 60947-1, IEC 60947-3 and VDE 0660 Part 107. Switch disconnectors in the type-tested 8HP molded-plastic distribution board enclosure (degree of protection IP65) are available for use as safety switches.

More information can be found in the Catalog ET A1 "ALPHA Distribution Boards and Terminal Blocks".

Switch Disconnectors, Main and EMERGENCY-STOP Switches

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

General data

More information

Standards		IEC 60947-1, IEC 60947-3, VDE 0660 Part 107						
Type		3KA50	3KA51	3KA52 ¹⁾	3KA53 ¹⁾	3KA55 ¹⁾	3KA57 ¹⁾	3KA58 ¹⁾
Rated uninterrupted current I_u	A	63	80	125	160	250	400	630 ³⁾
Conventional free-air thermal current I_{th} ²⁾	A	63	80	125	160	250	400	630 ³⁾
Rated insulation voltage U_i	V	690	690	1000	1000	1000	1000	1000
Rated impulse voltage U_{imp}	kV	6	6	8	8	8	8	8
Rated operational voltage U_e								
AC 50 Hz/60 Hz	V	690						
DC	V	440 (3 conducting paths series-connected)						
	V	220 (2 conducting paths series-connected)						
	V	110 (1 conducting path)						
Rated short-circuit making capacity I_{cm} with upstream fuses ⁴⁾	kA	220	220	220	220	176	176	105
At 50 Hz/60 Hz 690 V AC, peak value								
Rated conditional short-circuit current with upstream fuses ⁴⁾	kA	100	100	100	100	80	80	50
At 50 Hz/60 Hz 690 V AC, rms value								
Max. rated current I_n of the fuses	A	63	80	160	160	400	400	630
Permissible let-through current of the fuses	kA	8	10	17	17	30 ⁵⁾	30 ⁵⁾	40 ⁵⁾
Maximum permissible let-through I^2t value	kA ² s	55	55	223	223	1000	1000	2600
Permissible let-through current of an upstream circuit breaker	kA	7	8	8	15	25	25	32
At 50 Hz/60 Hz 690 V AC, peak value								
Rated short-circuit making capacity without fuses	kA	7	7	7	9	20	25	35
At 50 Hz/60 Hz 690 V AC, peak value								
Switching capacity (inferred from the top or bottom)								
At 400 V AC								
• Breaking current I_C (at p.f. = 0.35, rms value)	A	500	650	1000	1280	2000	3200	5040
• Rated operational current I_e at								
- AC-21A, AC-22A, AC-23A	A	63	80	125	160	250	400	630 ⁶⁾
• Motor switching capacity AC-23A	kW	30	40	65	80	132	200	350
At 500 V AC								
• Breaking current I_C (at p.f. = 0.35, rms value)	A	500	640	1000	1280	2000	3200	3200
• Rated operational current I_e at								
- AC-21A, AC-22A	A	63	80	125	160	250	400	630
- AC-23A	A	63	80	125	160	250	400	400
• Motor switching capacity AC-23A	kW	40	50	90	110	185	280	280
At 690 V AC								
• Breaking current I_C (at p.f. = 0.35, rms value)	A	500	500	1000	1280	2000	3200	3200
• Rated operational current I_e at								
- AC-21A, AC-22A	A	63	80	125	160	250	400	630
- AC-23A	A	63	63	125	160	250	400	400
• Motor switching capacity AC-23A	kW	50	50	110	150	220	375	375
At 440 V DC (3 conducting paths series-connected) ⁷⁾								
• Breaking current I_C (L/R = 15 ms)	A	250	260	500	640	1000 ⁸⁾	1600	1600
• Rated operational current I_e at DC-23A	A	63	63	125	160	250 ⁹⁾	400	400
Rated short-time current I_{cw} (1 s current, rms value)	kA	2.5	2.5	3.2	3.2	8	11	15
Permissible ambient temperature	°C	-25 ... +55 for operation ³⁾						
	°C	-50 ... +80 when stored						
Mechanical endurance, operating cycles		15000	15000	15000	15000	12000	12000	12000
Degree of protection		IP00/IP20 (from the operator side, with busbar and terminal covers)						
Power loss of the switch disconnector at I_{th}	W	7	12	22	22	33	72	170
Main conductor connections								
Busbar systems, max. dimensions (w x t)	mm	25 x 9	25 x 9	45 x 10	45 x 10	40 x 12	40 x 12	40 x 15
Cable lug, max. conductor cross-section (stranded)	mm ²	35	35	70	120	150	2 x 150 or 1 x 240	2 x 240
Tightening torque	Nm	6 ... 7.5	6 ... 7.5	7 ... 10	18 ... 22	35 ... 45	35 ... 45	35 ... 45
Terminal screws		M6	M6	M6	M8	M10	M10	M10
Protective conductor connections								
Flat bars	mm	--	--	--	--	20 x 2.5	20 x 2.5	20 x 2.5
Cable lug, max. conductor cross-section (stranded)	mm ²	--	--	--	--	70	120	120

¹⁾ Technical specifications for approval on request.

²⁾ Configuring note: Max. permissible operating temperature at connections 100 °C.

³⁾ With 3KA58 for operation -25 °C ... +35 °C, 570 A at 55 °C.

⁴⁾ Only with 3NA38, 3NA32 or 3ND18, 3ND12 fuses (otherwise only 105 kA/50 kA).

⁵⁾ 3ND1 switchgear protection fuse.

⁶⁾ AC-23B

⁷⁾ 220 V DC (L1 and L3 series-connected) or 110 V DC (one conducting path) at DC-23A.

⁸⁾ At 440 V L/R = 4 ms, at 220 V L/R = 15 ms.

⁹⁾ At 440 V DC-22A, at 220 V DC-23A.

Switch Disconnectors, Main and EMERGENCY-STOP Switches

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

General data

Standards		IEC 60947-1, IEC 60947-3, VDE 0660 Part 107			
Type		3KE42	3KE43	3KE44	3KE45
Rated uninterrupted current I_u	A	250	400	630	1000
Rated insulation voltage U_i	V	AC 1000, DC 1200			
Rated impulse voltage U_{imp}	kV	8	8	8	8
Rated operational voltage U_e					
AC 50 Hz/60 Hz	V	690			
DC	V	440 (3 conducting paths series-connected)			
	V	220 (2 conducting paths series-connected)			
Rated short-circuit making capacity I_{cm} At 50 Hz/60 Hz 690 V AC (peak value)	kA	35	35	60	60
Rated short-circuit making capacity with upstream fuses At 50 Hz/60 Hz 690 V AC (peak value)	kA	105	105	105	84
Rated conditional short-circuit current with upstream fuses At 50 Hz/60 Hz 690 V AC (rms value)	A	50	50	50	40
Maximum permissible let-through I^2t value	kA ² s	2150	2150	5400	19000
Permissible let-through current of an upstream circuit breaker					
At 50 Hz/60 Hz 690 V AC (peak value)	kA	35	35	60	60
Max. rated current I_n of the fuse	A	400	400	630	1000
Permissible let-through current of the fuses (peak value)	kA	38	38	60	75
Switching capacity (infeed from the top or bottom)					
At 400 V AC					
• Breaking current I_c (rms value at p.f. = 0.35)	A	1000	1000	2520	2520
• Rated operational current I_o at					
- AC-21A	A	250	400	630	1000
- AC-22A	A	250	330	630	800
- AC-23A	A	125	125	315	315
At 500 V AC					
• Breaking current I_c (rms value at p.f. = 0.35)	A	1000	1000	2520	2520
• Rated operational current I_o at					
- AC-21A	A	250	400	630	1000
- AC-22A	A	250	330	630	800
- AC-23A	A	125	125	315	315
At 690 V AC					
• Breaking current I_c (rms value at p.f. = 0.35)	A	1000	1000	2520	2520
• Rated operational current I_o at					
- AC-21A	A	250	400	630	1000
- AC-22A	A	250	330	630	800
- AC-23A	A	125	125	315	315
At 440 V DC (3 conducting paths series-connected)					
• Breaking current I_c (L/R = 5 ms)	A	1000	1000	2520	2520
• Rated operational current I_o at					
- DC-21A	A	250	400	630	1000
- DC-22A	A	250	250	630	630
Rated short-time current I_{cw} (1 s current, rms value)	kA	12.5	12.5	21	21
Permissible ambient temperature	°C	-25 ... +55 for operation			
	°C	-50 ... +80 when stored			
Mechanical endurance , operating cycles		10000			
Degree of protection		IP00			
Power loss of the switch disconnector at I_{th}	W	15	33	78	180
Main conductor connections					
Busbar systems, max. dimensions (w x t)	mm	25 x 10	25 x 10	2 x 40 x 10	2 x 40 x 10
Cable lug, max. conductor cross-section (stranded)	mm ²	2 x 150	2 x 150, 1 x 240	2 x 240	2 x 240

Switch Disconnectors, Main and EMERGENCY-STOP Switches

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

Floor mounting

Application

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

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

Selection and ordering data

All switch disconnectors with degree of protection IP00

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

Rated uninterrupted current I_u A	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Complete versions with 8UC7 door-coupling rotary operating mechanism (black handle)							
3-pole for motor loads and for power distribution							
63	B	3KA50 30-1GE01		1	1 unit	103	1.444
80	B	3KA51 30-1GE01		1	1 unit	103	1.403
125	B	3KA52 30-1GE01		1	1 unit	103	2.383
160	B	3KA53 30-1GE01		1	1 unit	103	2.426
250	B	3KA55 30-1GE01		1	1 unit	103	5.475
400	B	3KA57 30-1GE01		1	1 unit	103	5.556
630	B	3KA58 30-1GE01		1	1 unit	103	6.128
4-pole¹⁾ for power distribution							
63	B	3KA50 40-1GE01		1	1 unit	103	2.498
80	B	3KA51 40-1GE01		1	1 unit	103	2.540
125	B	3KA52 40-1GE01		1	1 unit	103	2.490
160	B	3KA53 40-1GE01		1	1 unit	103	2.458
250	B	3KA55 40-1GE01		1	1 unit	103	6.038
400	B	3KA57 40-1GE01		1	1 unit	103	5.154
630	B	3KA58 40-1GE01		1	1 unit	103	6.595
Basic switch versions without handle							
3-pole for motor loads and for power distribution							
63	B	3KA50 30-1AE01		1	1 unit	103	0.946
80	B	3KA51 30-1AE01		1	1 unit	103	0.918
125	B	3KA52 30-1AE01		1	1 unit	103	1.880
160	B	3KA53 30-1AE01		1	1 unit	103	2.028
250	B	3KA55 30-1AE01		1	1 unit	103	4.514
400	B	3KA57 30-1AE01		1	1 unit	103	4.630
630	B	3KA58 30-1AE01		1	1 unit	103	5.151
4-pole¹⁾ for power distribution							
63	B	3KA50 40-1AE01		1	1 unit	103	2.100
80	B	3KA51 40-1AE01		1	1 unit	103	2.112
125	B	3KA52 40-1AE01		1	1 unit	103	2.090
160	B	3KA53 40-1AE01		1	1 unit	103	2.240
250	C	3KA55 40-1AE01		1	1 unit	103	5.042
400	B	3KA57 40-1AE01		1	1 unit	103	5.195
630	B	3KA58 40-1AE01		1	1 unit	103	5.740
8UC7 EMERGENCY-STOP door-coupling rotary operating mechanisms (red handle, yellow indicator plate) for basic switch versions without handle							
3-pole for motor loads and for power distribution							
63	C	8UC71 21-3BB10		1	1 unit	103	0.200
80	C	8UC71 21-3BB10		1	1 unit	103	0.200
125	C	8UC72 22-3BB20		1	1 unit	103	0.200
160	C	8UC72 22-3BB20		1	1 unit	103	0.200
250	C	8UC73 23-3BB30		1	1 unit	103	0.200
400	C	8UC73 23-3BB30		1	1 unit	103	0.200
630	C	8UC73 23-3BB30		1	1 unit	103	0.200
4-pole¹⁾ for power distribution							
63	C	8UC72 22-3BB20		1	1 unit	103	0.200
80	C	8UC72 22-3BB20		1	1 unit	103	0.200
125	C	8UC72 22-3BB20		1	1 unit	103	0.200
160	C	8UC72 22-3BB20		1	1 unit	103	0.200
250	C	8UC73 23-3BB30		1	1 unit	103	0.200
400	C	8UC73 23-3BB30		1	1 unit	103	0.200
630	C	8UC73 23-3BB30		1	1 unit	103	0.200



3KA53 30-1AE01



3KA53 40-1AE01



8UC71 21-3BB10

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

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

Switch Disconnectors, Main and EMERGENCY-STOP Switches

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

Floor mounting

Rated uninterrupted current I_u		DT	3-pole, assembly kit for mounting in control cabinet side panel Assembly kits (IP40) Comprising: Lockable handle and three terminal covers for the infeed side	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A			Order No.	Price per PU			kg
Black handle							
	63	B	3KX3 516-2AA	1	1 unit	103	0.591
	80	B	3KX3 516-2AA	1	1 unit	103	0.591
	125	B	3KX3 536-2AA	1	1 unit	103	0.843
	160	B	3KX3 536-2AA	1	1 unit	103	0.843
	250	B	3KX3 556-2AA	1	1 unit	103	1.560
	400	B	3KX3 556-2AA	1	1 unit	103	1.560
	630	B	3KX3 556-2AA	1	1 unit	103	1.560
3KA53 30-1AE01 with 3KX3 536-2AA							
EMERGENCY-STOP red handle							
63	B	3KX3 516-2BA	1	1 unit	103	0.584	
80	B	3KX3 516-2BA	1	1 unit	103	0.584	
125	B	3KX3 536-2BA	1	1 unit	103	0.860	
160	B	3KX3 536-2BA	1	1 unit	103	0.860	
250	B	3KX3 556-2BA	1	1 unit	103	1.590	
400	B	3KX3 556-2BA	1	1 unit	103	1.590	
630	B	3KX3 556-2BA	1	1 unit	103	1.590	

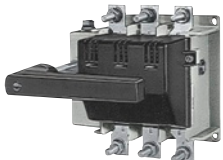
3KA53 30-1AE01 with 3KX3 536-2AA

Switch Disconnectors, Main and EMERGENCY-STOP Switches

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

Floor mounting

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

Rated uninterrupted current I_U		DT	3-pole, operating mechanism and actuation from the front Direct operating mechanisms	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A			Order No.	Price per PU		kg	
Complete versions with black handle							
	250	B	3KE42 30-0BA	1	1 unit	103	4.210
	400	B	3KE43 30-0BA	1	1 unit	103	4.178
	630	B	3KE44 30-0BA	1	1 unit	103	7.184
	1000	B	3KE45 30-0BA	1	1 unit	103	7.838
3KE43 30-0BA							
Basic switch versions without handle							
250	B	3KE42 30-0AA	1	1 unit	103	3.879	
400	B	3KE43 30-0AA	1	1 unit	103	3.870	
630	B	3KE44 30-0AA	1	1 unit	103	6.915	
1000	B	3KE45 30-0AA	1	1 unit	103	7.427	
EMERGENCY-STOP red handles + coupling sockets for basic switch versions without handle							
250	B	8UC93 71	1	1 unit	103	0.146	
	B	+ 3KX2 210-0H	1	1 unit	103	0.236	
400	B	8UC93 71	1	1 unit	103	0.146	
	B	+ 3KX2 210-0H	1	1 unit	103	0.236	
630	B	8UC93 75	1	1 unit	103	0.165	
	B	+ 3KX2 210-0H	1	1 unit	103	0.236	
1000	B	8UC93 75	1	1 unit	103	0.165	
	B	+ 3KX2 210-0H	1	1 unit	103	0.236	

Rated uninterrupted current I_U		DT	3-pole, operating mechanism and actuation from the front Door-coupling rotary operating mechanisms (lockable)	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A			Order No.	Price per PU		kg	
Complete versions with 8UC7 door-coupling rotary operating mechanism (black handle)							
250	B	3KE42 30-0GA	1	1 unit	103	5.032	
400	B	3KE43 30-0GA	1	1 unit	103	5.041	
630	B	3KE44 30-0GA	1	1 unit	103	7.885	
1000	B	3KE45 30-0GA	1	1 unit	103	8.532	
Basic switch versions without handle							
250	B	3KE42 30-0AA	1	1 unit	103	3.879	
400	B	3KE43 30-0AA	1	1 unit	103	3.870	
630	B	3KE44 30-0AA	1	1 unit	103	6.915	
1000	B	3KE45 30-0AA	1	1 unit	103	7.427	
8UC7 EMERGENCY-STOP door-coupling rotary operating mechanisms (red handle, yellow indicator plate) for basic switch versions without handle							
250, 400, 630, 1000	C	8UC73 24-3BB44	1	1 unit	103	0.200	

* You can order this quantity or a multiple thereof.

Switch Disconnectors, Main and EMERGENCY-STOP Switches

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

Floor mounting

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

* You can order this quantity or a multiple thereof.

Switch Disconnectors, Main and EMERGENCY-STOP Switches

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

Floor mounting

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

* You can order this quantity or a multiple thereof.

Switch Disconnectors, Main and EMERGENCY-STOP Switches

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

Molded-plastic enclosure

Benefits

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

Application

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

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

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

Selection and ordering data

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

¹⁾ With PE-/ground or N terminal.

²⁾ For a fifth conductor, the same terminal can be fitted additionally.

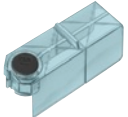
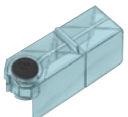
³⁾ At ambient temperatures up to 35 °C.

Switch Disconnectors, Main and EMERGENCY-STOP Switches

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

Accessories

Selection and ordering data

	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
3KA50 30/3KA51 30							
		Terminal cover					
		For 3-pole devices (1 set = 6 units)		1	1 unit	103	0.077
		For 4-pole devices (1 set = 8 units)		1	1 unit	103	0.102
		Door-coupling rotary operating mechanisms IP65					
		Black handle, shaft 300 mm		1	1 unit	103	0.200
		EMERGENCY-STOP (yellow/red), shaft 300 mm		1	1 unit	103	0.200
		Operating mechanisms for fixed mounting					
		Black handle, shaft 250 mm		1	1 unit	103	0.088
		Extension shaft 300 mm long		1	1 unit	103	0.068
		Extension shaft 600 mm long		1	1 unit	103	0.136
		Shaft connecting pieces		1	1 unit	103	0.031
		Auxiliary switches		1	1 unit	102	0.020
		1 NO + 1 NC ¹⁾					
3KA50 40/3KA51 40/3KA52/3KA53							
		Terminal cover					
		For 3KA52 3-pole devices (1 set = 6 units)		1	1 unit	103	0.077
		For 3KA53		1	1 unit	103	0.147
		For 3KA52 4-pole devices (1 set = 8 units)		1	1 unit	103	0.102
		For 3KA53		1	1 unit	103	0.170
		Door-coupling rotary operating mechanisms IP65					
		Black handle, shaft 300 mm		1	1 unit	103	0.200
		EMERGENCY-STOP (yellow/red), shaft 300 mm		1	1 unit	103	0.200
		Operating mechanisms for fixed mounting					
		Black handle, shaft 250 mm		1	1 unit	103	0.155
		Extension shaft 300 mm long		1	1 unit	103	0.132
		Extension shaft 600 mm long		1	1 unit	103	0.265
		Shaft connecting pieces		1	1 unit	103	0.023
		Auxiliary switches		1	1 unit	102	0.020
		1 NO + 1 NC ¹⁾					
		20 ms leading		1	1 unit	103	0.019
		1 NO + 1 NC					
3KA55/3KA57/3KA58							
		Terminal cover					
		For 3-pole devices (1 set = 6 units)		1	1 unit	103	0.277
		For 4-pole devices (1 set = 8 units)		1	1 unit	103	0.362
		Door-coupling rotary operating mechanisms IP65					
		Black handle, shaft 300 mm		1	1 unit	103	0.200
		EMERGENCY-STOP (yellow/red), shaft 300 mm		1	1 unit	103	0.200
		Operating mechanisms for fixed mounting					
		Black handle, shaft 250 mm		1	1 unit	103	0.285
		Extension shaft 300 mm long		1	1 unit	103	0.217
		Extension shaft 600 mm long		1	1 unit	103	0.430
		Shaft connecting pieces		1	1 unit	103	0.085
		Auxiliary switches		1	1 unit	102	0.020
		1 NO + 1 NC ¹⁾					
		20 ms leading		1	1 unit	103	0.019
		1 NO + 1 NC ¹⁾					

¹⁾ For more 3SB14 00-0, contact blocks with other contact types, see Chapter 9 "Pushbuttons and Indicator Lights".

Switch Disconnectors, Main and EMERGENCY-STOP Switches

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

Accessories

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



3KX2 210-0D

Changeover switches

Changeover switches with interruption

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

B

3KX2 210-0D

1

1 unit

103

2.442

Door-coupling rotary operating mechanisms IP65

Twin handle (black), shaft 300 mm

C

8UC74 14-1BF44

1

1 unit

103

0.200

Direct operating mechanisms

Twin handle (black) for fixed mounting

B

8UC93 81

1

1 unit

103

0.264

Changeover switches without interruption

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

B

3KX2 210-0E

1

1 unit

103

2.448

Door-coupling rotary operating mechanisms IP65

Twin handle (black), shaft 300 mm

C

8UC74 14-1FG44

1

1 unit

103

0.200

Direct operating mechanisms

Twin handle (black) for fixed mounting

B

8UC93 81

1

1 unit

103

0.264

Parallel switches

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

C

3KX2 250-1A

1

1 unit

103

0.750

Door-coupling rotary operating mechanisms IP65

Twin handle (black), shaft 300 mm

C

8UC74 14-1BB44

1

1 unit

103

0.200

EMERGENCY-STOP door-coupling rotary operating mechanisms IP65

Twin handle (red), shaft 300 mm

C

8UC74 24-3BB44

1

1 unit

103

0.200

Direct operating mechanisms

Twin handle (black) for fixed mounting

B

8UC93 81

1

1 unit

103

0.264

Further accessories

Terminal cover (1 set = 6 units)

▶

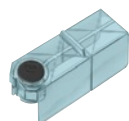
3KX3 557-3DA01

1

1 unit

103

0.277



3KX3 557-3DA01

Door-coupling rotary operating mechanisms IP65

Black handle, shaft 300 mm

C

8UC73 14-1BB44

1

1 unit

103

0.200

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

C

8UC73 24-3BB44

1

1 unit

103

0.200

Extension shaft 300 mm long

B

8UC60 34

1

1 unit

103

0.315

Extension shaft 600 mm long

B

8UC60 84

1

1 unit

103

0.640

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

B

3KX2 231-1A

1

1 unit

103

0.049



3KX2 231-1A

Grounding brackets

B

3KX2 252-1A

1

1 unit

103

0.049

Arc chute

(spare part with 3 arc-splitter assemblies)

B

3KY2 202-0B

1

1 unit

103

0.640

Arcing contacts

(spare part with 3 fixed and 3 movable contacts)

B

3KY2 204-0A

1

1 unit

103

0.202



3KY2 204-0A

Switch Disconnectors, Main and EMERGENCY-STOP Switches

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

Accessories

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

3KX2 210-0D



3KX2 231-1A



3KY2 232-0A