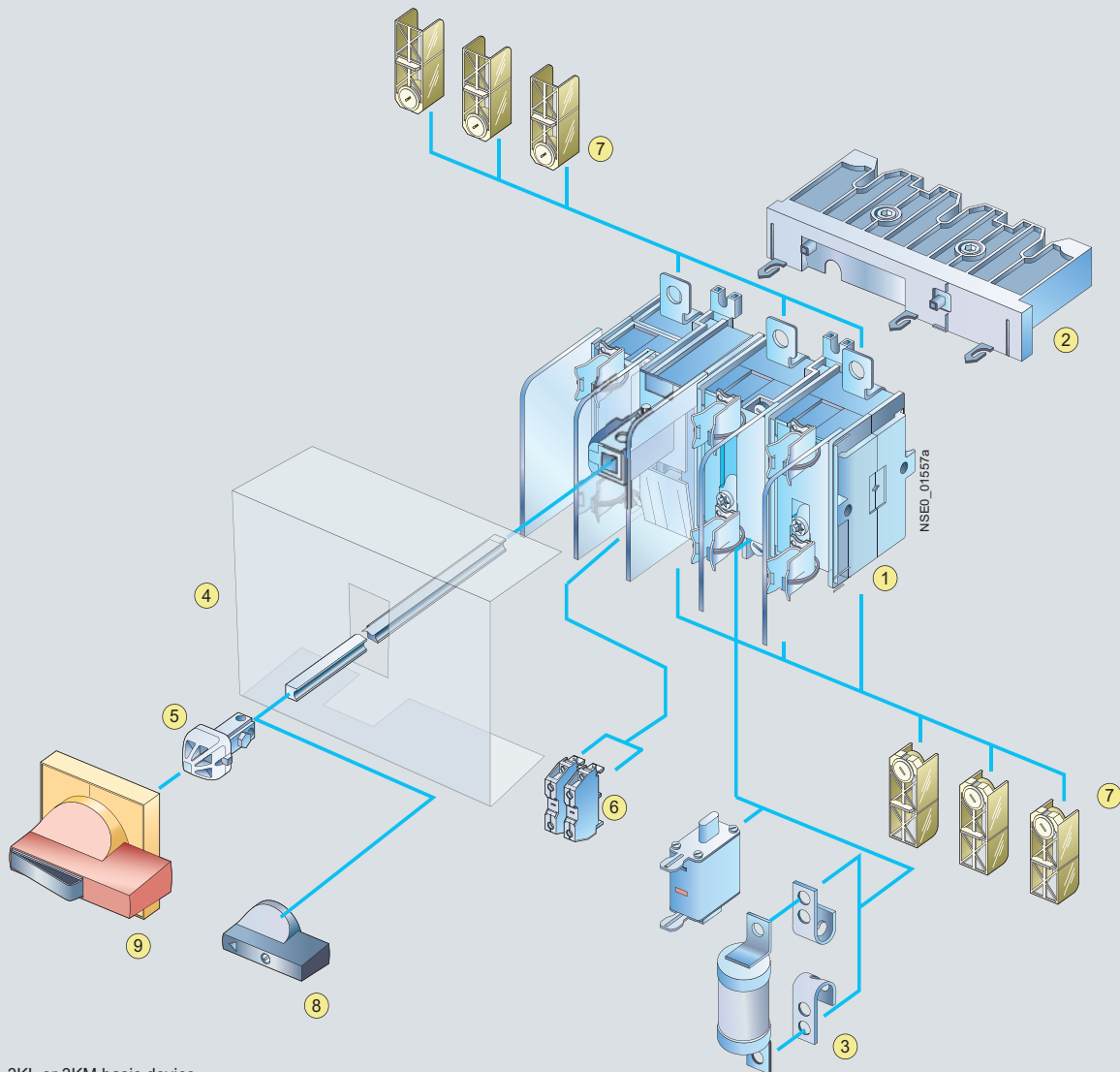


3KL, 3KM, 3NJ6 Switch Disconnectors with Fuses

3KL Switch Disconnectors with Fuses up to 800 A

General data

Overview



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

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

Optional

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

Application

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

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

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

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

3KL Switch Disconnectors with Fuses up to 800 A

Surface mounting and installation

Selection and ordering data

All switch disconnectors with degree of protection IP00

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

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

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

3-pole for LV HRC fuses

125	00 and 000	gG, aM	B	3KL52 30-1GB01	1	1 unit	103	2.414
160	00 and 000	gG, aM	B	3KL53 30-1GB01	1	1 unit	103	2.600
250	1 and 2	gG, aM	B	3KL55 30-1GB01	1	1 unit	103	6.112
400	2 and 1	gG, aM	B	3KL57 30-1GB01	1	1 unit	103	6.067
630	3 and 2	gG, aM	B	3KL61 30-1GB00	1	1 unit	103	18.070
630 ³⁾	3 and 2 ³⁾	gG, aM ³⁾	D	3KL61 30-1GB02	1	1 unit	113	15.200
800 ³⁾	3 and 2 ³⁾	gG, aM ³⁾	C	3KL62 30-1GB02	1	1 unit	113	15.200

4-pole for LV HRC fuses

63	00 and 000	gG, aM	B	3KL50 40-1GB01	1	1 unit	103	2.542
125	00 and 000	gG, aM	B	3KL52 40-1GB01	1	1 unit	103	2.623
160	00 and 000	gG, aM	C	3KL53 40-1GB01	1	1 unit	103	2.776
250	1 and 2	gG, aM	B	3KL55 40-1GB01	1	1 unit	103	6.642
400	2 and 1	gG, aM	B	3KL57 40-1GB01	1	1 unit	103	6.886
630	3 and 2	gG, aM	B	3KL61 40-1GB00	1	1 unit	103	16.690

3-pole for fuses acc. to BS 88

63	Form A2/A3		B	3KL50 30-1GG01	1	1 unit	103	1.455
125	Form A2/A3		B	3KL52 30-1GG01	1	1 unit	103	2.360
125	Form A4		B	3KL52 30-1GJ01	1	1 unit	103	2.406
160	Form A4		B	3KL53 30-1GJ01	1	1 unit	103	2.575
250	Form B1-B3		B	3KL55 30-1GG01	1	1 unit	103	6.115
400	Form B1-B3		B	3KL57 30-1GG01	1	1 unit	103	6.582
630	Form C1-C3		C	3KL61 30-1GG00	1	1 unit	103	16.278
800	Form C1-C3		D	3KL62 30-1GG00	1	1 unit	113	15.400

4-pole for fuses acc. to BS 88

63	Form A2/A3		B	3KL50 40-1GG01	1	1 unit	103	2.563
125	Form A2/A3		B	3KL52 40-1GG01	1	1 unit	103	2.560
125	Form A4		B	3KL52 40-1GJ01	1	1 unit	103	2.614
160	Form A4		B	3KL53 40-1GJ01	1	1 unit	103	2.780
250	Form B1-B3		B	3KL55 40-1GG01	1	1 unit	103	6.639
400	Form B1-B3		B	3KL57 40-1GG01	1	1 unit	103	7.148
630	Form C1-C3		C	3KL61 40-1GG00	1	1 unit	103	16.996

Basic switch versions without handle

3-pole for LV HRC fuses

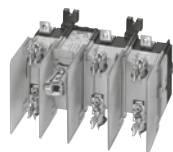
63	00 and 000	gG, aM	►	3KL50 30-1AB01	1	1 unit	103	1.055
125	00 and 000	gG, aM	►	3KL52 30-1AB01	1	1 unit	103	1.989
160	00 and 000	gG, aM	►	3KL53 30-1AB01	1	1 unit	103	2.200
250	1 and 2	gG, aM	►	3KL55 30-1AB01	1	1 unit	103	5.715
400	2 and 1	gG, aM	►	3KL57 30-1AB01	1	1 unit	103	5.400
630	3 and 2	gG, aM	A	3KL61 30-1AB0	1	1 unit	113	17.696
630 ³⁾	3 and 2 ³⁾	gG, aM ³⁾	A	3KL61 30-1AB02	1	1 unit	113	14.000
800 ³⁾	3 and 2 ³⁾	gG, aM ³⁾	A	3KL62 30-1AB02	1	1 unit	113	15.200

4-pole for LV HRC fuses

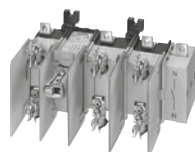
63	00 and 000	gG, aM	B	3KL50 40-1AB01	1	1 unit	103	2.219
125	00 and 000	gG, aM	B	3KL52 40-1AB01	1	1 unit	103	2.195
160	00 and 000	gG, aM	B	3KL53 40-1AB01	1	1 unit	103	2.344
250	1 and 2	gG, aM	B	3KL55 40-1AB01	1	1 unit	103	5.577
400	2 and 1	gG, aM	B	3KL57 40-1AB01	1	1 unit	103	5.670
630	3 and 2	gG, aM	A	3KL61 40-1AB00	1	1 unit	113	15.423

3-pole for fuses acc. to BS 88

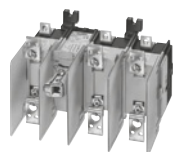
63	Form A2/A3		B	3KL50 30-1AG01	1	1 unit	103	0.993
125	Form A2/A3		B	3KL52 30-1AG01	1	1 unit	103	1.939
125	Form A4		B	3KL52 30-1AJ01	1	1 unit	103	2.033
160	Form A4		B	3KL53 30-1AJ01	1	1 unit	103	2.170
250	Form B1-B3		B	3KL55 30-1AG01	1	1 unit	103	5.145
400	Form B1-B3		B	3KL57 30-1AG01	1	1 unit	103	5.666
630	Form C1-C3		A	3KL61 30-1AG00	1	1 unit	113	15.075
800	Form C1-C3		C	3KL62 30-1AG00	1	1 unit	113	14.200



3KL52 30-1AB01



3KL52 40-1AB01



3KL52 30-1AJ01

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

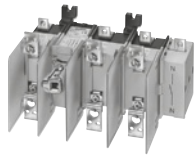
For footnotes, see page 17/37.

* You can order this quantity or a multiple thereof.

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

3KL Switch Disconnectors with Fuses up to 800 A

Surface mounting and installation



3KL52 40-1AJ01
with fuses

Rated uninterrupted current I_u	LV HRC fuse links ¹⁾ according to DIN 43620 ²⁾	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Size	Operational class						kg
A								
4-pole for fuses acc. to BS 88								
63	Form A2/A3	B	3KL50 40-1AG01		1	1 unit	103	2.145
125	Form A2/A3	B	3KL52 40-1AG01		1	1 unit	103	2.161
125	Form A4	B	3KL52 40-1AJ01		1	1 unit	103	2.120
160	Form A4	B	3KL53 40-1AJ01		1	1 unit	103	2.230
250	Form B1-B3	B	3KL55 40-1AG01		1	1 unit	103	5.666
400	Form B1-B3	B	3KL57 40-1AG01		1	1 unit	103	6.441
630	Form C1-C3	C	3KL61 40-1AG00		1	1 unit	113	15.708
8UC7 EMERGENCY-STOP door-coupling rotary operating mechanisms (red handle, yellow indicator plate) for basic switch versions without handle								
3-pole for LV HRC fuses								
63	00 and 000	gG, aM	C	8UC71 21-3BB10	1	1 unit	103	0.200
125	00 and 000	gG, aM	C	8UC72 22-3BB20	1	1 unit	103	0.200
160	00 and 000	gG, aM	C	8UC72 22-3BB20	1	1 unit	103	0.200
250	1 and 2	gG, aM	C	8UC73 23-3BB30	1	1 unit	103	0.200
400	2 and 1	gG, aM	C	8UC73 23-3BB30	1	1 unit	103	0.200
630	3 and 2	gG, aM	C	8UC74 24-3BB44 + 8UC92 53	1	1 unit	103	0.200
			►	8UC92 53	1	1 unit	103	0.115
800	3 and 2	gG, aM	C	8UC74 24-3BB44 + 8UC92 53	1	1 unit	103	0.200
			►	8UC92 53	1	1 unit	103	0.115
4-pole for LV HRC fuses								
63	00 and 000	gG, aM	C	8UC72 22-3BB20	1	1 unit	103	0.200
125	00 and 000	gG, aM	C	8UC72 22-3BB20	1	1 unit	103	0.200
160	00 and 000	gG, aM	C	8UC72 22-3BB20	1	1 unit	103	0.200
250	1 and 2	gG, aM	C	8UC73 23-3BB30	1	1 unit	103	0.200
400	2 and 1	gG, aM	C	8UC73 23-3BB30	1	1 unit	103	0.200
630	3 and 2	gG, aM	C	8UC74 24-3BB44 + 8UC92 53	1	1 unit	103	0.200
			►	8UC92 53	1	1 unit	103	0.115
3-pole for fuses acc. to BS 88								
63	Form A2/A3	C	8UC71 21-3BB10		1	1 unit	103	0.200
125	Form A2/A3	C	8UC72 22-3BB20		1	1 unit	103	0.200
125	Form A4	C	8UC72 22-3BB20		1	1 unit	103	0.200
160	Form A4	C	8UC72 22-3BB20		1	1 unit	103	0.200
250	Form B1-B3	C	8UC73 23-3BB30		1	1 unit	103	0.200
400	Form B1-B3	C	8UC73 23-3BB30		1	1 unit	103	0.200
630	Form C1-C3	C	8UC74 24-3BB44 + 8UC92 53		1	1 unit	103	0.200
			►	8UC92 53	1	1 unit	103	0.115
800	Form C1-C3	C	8UC74 24-3BB44 + 8UC92 53		1	1 unit	103	0.200
			►	8UC92 53	1	1 unit	103	0.115
4-pole for fuses acc. to BS 88								
63	Form A2/A3	C	8UC72 22-3BB20		1	1 unit	103	0.200
125	Form A2/A3	C	8UC72 22-3BB20		1	1 unit	103	0.200
125	Form A4	C	8UC72 22-3BB20		1	1 unit	103	0.200
160	Form A4	C	8UC72 22-3BB20		1	1 unit	103	0.200
250	Form B1-B3	C	8UC73 23-3BB30		1	1 unit	103	0.200
400	Form B1-B3	C	8UC73 23-3BB30		1	1 unit	103	0.200
630	Form C1-C3	C	8UC74 24-3BB44 + 8UC92 53		1	1 unit	103	0.200
			►	8UC92 53	1	1 unit	103	0.115

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

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

¹⁾ Silver-plated fuse blades. Silver-plated isolating links can be used if desired.

²⁾ For the assignment of semiconductor fuses see "Accessories".

³⁾ With SITOP 3NE fuse links -approved.

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

3KL Switch Disconnectors with Fuses up to 800 A

Front mounting

Selection and ordering data

All switch disconnectors with degree of protection IP00

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

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

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

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

• Black handle

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

• EMERGENCY-STOP red handle

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

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

¹⁾ Silver-plated fuse blades. Silver-plated isolating links can be used if desired.

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

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

3KL Switch Disconnectors with Fuses up to 800 A

Accessories

Selection and ordering data

Version	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
3KL50 30							
 3KL50 305-3DA01		Terminal covers (1 set = 6 units) for 3-pole devices	▶	3KL50 305-3DA01	1	1 unit	103 0.077
 3KL50 305.7-3AA		Fuse covers (interlock only detachable in the OFF position)	▶	3KL50 305-3AA	1	1 unit	103 0.041
		Covers IP20 For 3-pole devices	▶	3KL50 305-0CA02	1	1 unit	103 0.400
		Fuse partitions (1 set = 5 units)	▶	3KL50 305-0AA01	1	1 unit	103 0.044
 3KL50 305-0BA01	B	Lyre-shaped fuse covers (1 set = 6 units)		3KL50 305-0BA01	1	1 unit	103 0.033
		Door-coupling rotary operating mechanisms IP65 Black handle, shaft 300 mm	C	8UC71 11-1BB10	1	1 unit	103 0.200
		EMERGENCY-STOP (yellow/red), shaft 300 mm	C	8UC71 21-3BB10	1	1 unit	103 0.200
		Operating mechanisms for fixed mounting Black handle, shaft 250 mm	▶	3KL50 305-1AA	1	1 unit	103 0.088
	B	Extension shafts, 300 mm long		8UC60 31	1	1 unit	103 0.068
	B	Extension shafts, 600 mm long		8UC60 81	1	1 unit	103 0.136
	B	Shaft connecting pieces		8UC60 21	1	1 unit	103 0.031
 3KL50 305-0BA01	C	Auxiliary switches 1 NO + 1 NC ¹⁾		3KL50 305-0BA01	1	1 unit	102 0.020
	B	Fuse monitor connections (1 set = 6 units)		3KL50 305-0AA	1	1 unit	103 0.014
3KL50 40/3KL52/3KL53							
 3KL50 305-3DA01		Terminal covers For 3-pole devices (1 set = 6 units)					
		• 3KL52	▶	3KL50 305-3DA01	1	1 unit	103 0.077
		• 3KL53	▶	3KL50 305-3DA01	1	1 unit	103 0.147
		For 4-pole devices (1 set = 8 units)					
	B	• 3KL50 40, 3KL52		3KL50 305-3DB01	1	1 unit	103 0.102
	B	• 3KL53		3KL50 305-3DB01	1	1 unit	103 0.170
 3KL50 305.7-3AA		Fuse covers²⁾ (interlock only detachable in the OFF position)	▶	3KL50 305-3AA	1	1 unit	103 0.071
		Covers IP20 For 3KL52 3-pole devices	▶	3KL50 305-0CA02	1	1 unit	103 0.765
		Covers IP20 For 3KL53 3-pole devices	▶	3KL50 305-0CA02	1	1 unit	103 0.765
		Fuse partitions (1 set = 5 units)	▶	3KL50 305-0AA01	1	1 unit	103 0.044
 3KL50 305-0BA01	B	Lyre-shaped fuse covers (1 set = 6 units)		3KL50 305-0BA01	1	1 unit	103 0.033

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

²⁾ For 3KL50 405-3AA: Not suitable for use with type A4 BS fuses.

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

3KL Switch Disconnectors with Fuses up to 800 A

Accessories

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



3SB14 00-0A



3KX3 5.7-3AA



3KX3 176-1E



3SB14 00-0A

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

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

3KL Switch Disconnectors with Fuses up to 800 A

Accessories

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



8UC92 53

¹⁾ Only for LV HRC fuses.²⁾ For more 3SB14 00-0. contact blocks with other contact types, see "Pushbutton Units and Indicator Lights".

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

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

¹⁾ Permissible load current in the switch disconnector. In the case of cyclic loads, the currents may have to be reduced again (precise values on request).²⁾ Values in blue in brackets apply to 3KM switch disconnectors.

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

3KL Switch Disconnectors with Fuses up to 800 A

Accessories

For switch disconnectors			SITOR fuses				DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.	
Type 3KL (Type 3KM)	Permissible load current ¹⁾	Required conductor cross-section Cu	Size	Operational class	Rated current	Rated voltage								
A		mm ²			A	V							kg	
	630 (710) ³⁾	2 x (40 x 5)	3	gR/gS	710	690	A	3NE1 437-0			1	3 units	047	1.117
	630 (710) ³⁾	2 x (40 x 5)	3	gR	710	600	D	3NE1 437-1			1	3 units	047	1.120
	630 (700) ³⁾	2 x (40 x 5)	3	gR	710	690	B	3NE1 437-2			1	3 units	047	1.153
	630 (800) ³⁾	2 x (50 x 5)	3	gR/gS	800	690	A	3NE1 438-0			1	3 units	047	1.124
	630 (800) ³⁾	2 x (50 x 5)	3	gR	800	600	B	3NE1 438-1			1	3 units	047	1.113
	630 (760) ³⁾	2 x (50 x 5)	3	gR	800	690	A	3NE1 438-2			1	3 units	047	1.184
3KL61 30 (3KL62)	630 (670) ³⁾	2 x (40 x 5)	3	gR	670	690	A	3NE1 447-2			1	3 units	047	1.170
	630 (790) ³⁾	2 x (40 x 8)	3	gR	850	690	A	3NE1 448-2			1	3 units	047	1.207
SITOR 3NE3 ... 3NE8, 3NC2 fuses for 3KL5, 3KL6 and 3KM5														
3KL50 (3KM50)	25	4	00	gR	25	690	▶	3NE8 015-1			1	3 units	047	0.205
	33	6	00	gR	35	690	▶	3NE8 003-1			1	3 units	047	0.204
	45	10	00	gR	50	690	▶	3NE8 017-1			1	3 units	047	0.203
	54	16	00	gR	63	690	▶	3NE8 018-1			1	3 units	047	0.205
3KL52 (3KM52)	68	25	00	aR	80	690	▶	3NE8 020-1			1	3 units	047	0.203
	89	35	00	aR	100	690	▶	3NE8 021-1			1	3 units	047	0.205
	106	50	00	aR	125	690	▶	3NE8 022-1			1	3 units	047	0.213
	130	70	00	aR	160	690	▶	3NE8 024-1			1	3 units	047	0.207
3KL55 ²⁾ (3KM55) ²⁾	32	6	0	gR	32	1000	▶	3NE4 101			1	3 units	047	0.278
	40	10	0	gR	40	1000	▶	3NE4 102			1	3 units	047	0.277
	50	10	0	gR	50	1000	▶	3NE4 117			1	3 units	047	0.276
	63	16	0	gR	63	1000	▶	3NE4 118			1	3 units	047	0.279
	80	25	0	aR	80	1000	▶	3NE4 120			1	3 units	047	0.276
	95	35	0	aR	100	1000	▶	3NE4 121			1	3 units	047	0.278
	120	50	0	aR	125	1000	▶	3NE4 122			1	3 units	047	0.279
	150	70	0	aR	160	1000	▶	3NE4 124			1	3 units	047	0.279
	90	35	1	aR	100	1000	A	3NE3 221			1	3 units	047	0.580
	110	50	1	aR	125	1000	A	3NE3 222			1	3 units	047	0.568
	140	70	1	aR	160	1000	▶	3NE3 224			1	3 units	047	0.573
	175	95	1	aR	200	1000	▶	3NE3 225			1	3 units	047	0.570
	210	120	1	aR	250	1000	▶	3NE3 227			1	3 units	047	0.580
3KL57 (3KM57)	240	185	1	aR	315	1000	▶	3NE3 230-0B			1	3 units	047	0.585
	265	240	1	aR	350	1000	A	3NE3 231			1	3 units	047	0.590
	290	240	1	aR	400	1000	A	3NE3 232-0B			1	3 units	047	0.576
	320	2 x 150	1	aR	450	1000	▶	3NE3 233			1	3 units	047	0.720
3KL61 (3KL62) (3KM57)	340 (360) ³⁾ (290) ⁴⁾	240	2	aR	400	1000	A	3NE3 332-0B			1	3 units	047	0.759
	380 (400) ³⁾ (320) ⁴⁾	2 x 150	2	aR	450	1000	A	3NE3 333			1	3 units	047	0.748
	440 (470) ³⁾ (360) ⁴⁾	2 x 150	2	aR	500	1000	▶	3NE3 334-0B			1	3 units	047	0.753
	500 (530) ³⁾ (400) ⁴⁾	2 x 185	2	aR	560	1000	▶	3NE3 335			1	3 units	047	0.756
	540 (580) ³⁾ (400) ⁴⁾	2 x 185	2	aR	630	1000	▶	3NE3 336			1	3 units	047	0.760
	600 (640) ³⁾ (400) ⁴⁾	2 x 200	2	aR	710	900	▶	3NE3 337-8			1	3 units	047	0.762
	630 (720) ³⁾ (400) ⁴⁾	2 x 200	2	aR	800	800	▶	3NE3 338-8			1	3 units	047	0.764
	630 (800) ³⁾ (400) ⁴⁾	2 x 200	2	aR	900	690	▶	3NE3 340-8			1	3 units	047	0.753
	200 (200) ³⁾ (175) ⁴⁾	120	2	aR	250	800	▶	3NE4 327-0B			1	3 units	047	0.753
	260 (260) ³⁾ (230) ⁴⁾	240	2	aR	315	800	▶	3NE4 330-0B			1	3 units	047	0.760
	370 (370) ³⁾ (340) ⁴⁾	2 x (30 x 5)	2	aR	450	800	▶	3NE4 333-0B			1	3 units	047	0.760
	425 (450) ³⁾ (380) ⁴⁾	2 x (30 x 5)	2	aR	500	800	▶	3NE4 334-0B			1	3 units	047	0.754
	600 (630) ³⁾ (400) ⁴⁾	2 x (40 x 5)	2	aR	710	800	▶	3NE4 337			1	3 units	047	0.771
3KL61 (3KL62)	145 (150) ³⁾	70	3	gR	150	500	B	3NC2 423-3C			1	3 units	047	0.940
	180 (190) ³⁾	95	3	gR	200	500	B	3NC2 425-3			1	3 units	047	1.057
	225 (240) ³⁾	120	3	gR	250	500	B	3NC2 427-3			1	3 units	047	1.066
	255 (270) ³⁾	185	3	gR	300	500	B	3NC2 428-3			1	3 units	047	1.078
	330 (345) ³⁾	240	3	gR	350	500	B	3NC2 431-3C			1	3 units	047	0.940
	400 (400) ³⁾	240	3	gR	400	500	B	3NC2 432-3C			1	3 units	047	0.940
	135 (140) ³⁾	70	3	gR	150	660	B	3NC8 423-3			1	3 units	047	1.062
	180 (190) ³⁾	95	3	gR	200	660	B	3NC8 425-3			1	3 units	047	1.063
	225 (240) ³⁾	120	3	gR	250	660	B	3NC8 427-3			1	3 units	047	1.069
	300 (315) ³⁾	240	3	gR	350	660	B	3NC8 431-3			1	3 units	047	1.072
	425 (450) ³⁾	2 x 150	3	gR	500	660	B	3NC8 434-3			1	3 units	047	1.069
	630 (800) ³⁾	2 x (60 x 6)	3	aR	1000	600	C	3NC8 444-3			1	3 units	047	1.085

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

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

³⁾ Values in black in brackets apply to 3KL62 switch disconnectors.

⁴⁾ Values in blue in brackets apply to 3KM switch disconnectors.

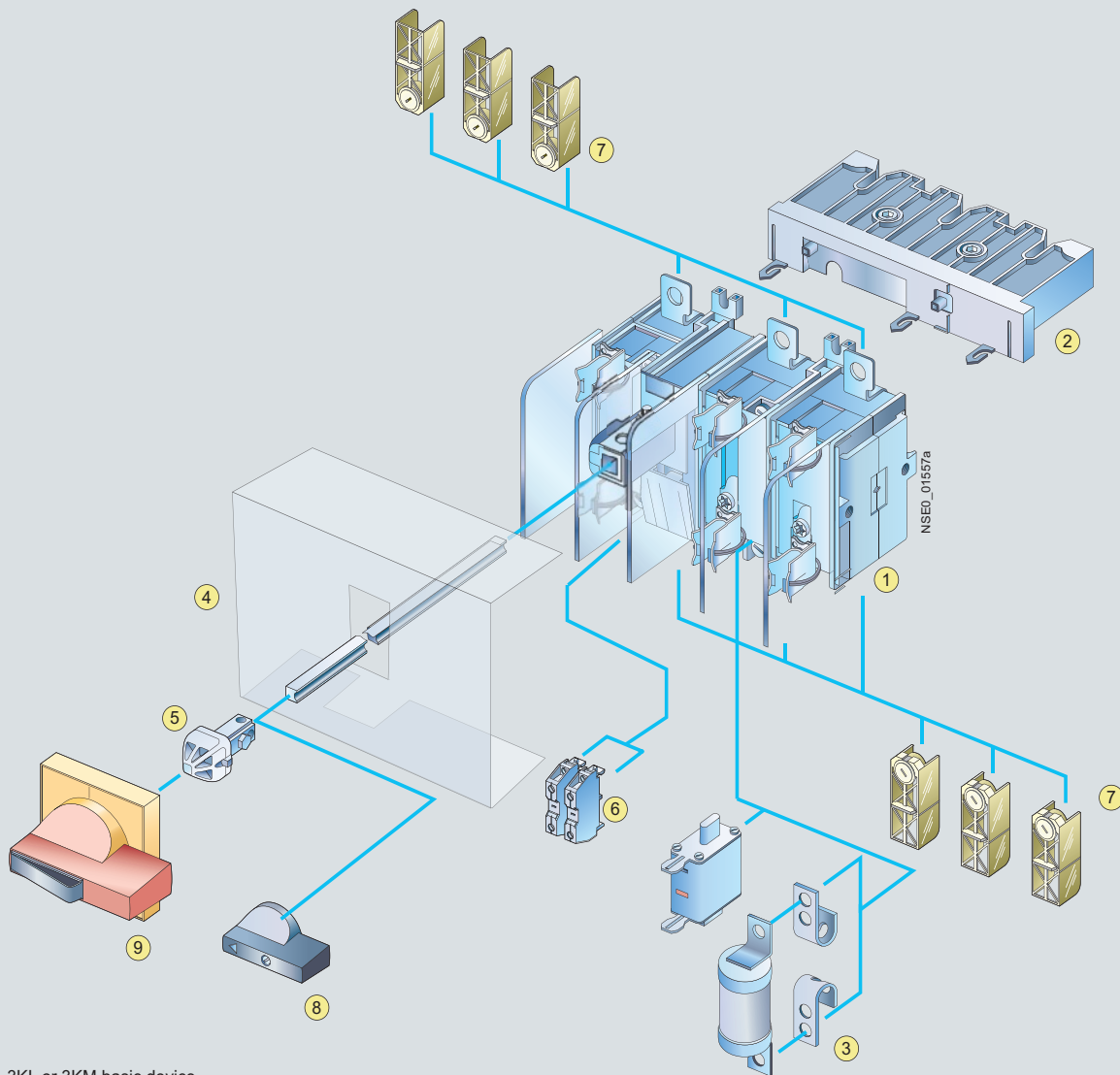
For technical specifications and dimensional drawings of the SITOR fuses see [Catalog ET B1](#).

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

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

General data

Overview



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

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

Optional

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

Application

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

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

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

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

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

For snapping onto busbars

Selection and ordering data

All switch disconnectors with degree of protection IP00

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

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

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

8UC7 complete versions with door-coupling rotary operating mechanisms

3-pole for LV HRC fuses

- (Black handle)

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

3-pole for fuses acc. to BS 88

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

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

Basic switch versions without handle

3-pole for LV HRC fuses

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

3KM53 30-1AB01
with fuses

3-pole for fuses acc. to BS 88

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

3KM55 30-1AG01
with fuses

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

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

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

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

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

¹⁾ Silver-plated fuse blades. Silver-plated isolating links can be used if desired.

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

* You can order this quantity or a multiple thereof.

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

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

Accessories

Selection and ordering data

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



3KX3 5.7-3AA



3KX3 507-0BA01



3SB14 00-0A

Terminal covers (1 set = 6 units) for 3-pole devices	▶	3KX3 552-3DA01		1	1 unit	103	0.077
Fuse covers (interlock only detachable in the OFF position)	▶	3KX3 517-3AA		1	1 unit	103	0.041
Fuse partitions (1 set = 5 units)	▶	3KX3 507-0AA01		1	1 unit	103	0.044
Lyre-shaped fuse covers (1 set = 6 units)	B	3KX3 507-0BA01		1	1 unit	103	0.033
Door-coupling rotary operating mechanisms IP65 Black handle, shaft 300 mm	C	8UC71 11-1BB10		1	1 unit	103	0.200
EMERGENCY-STOP (yellow/red), shaft 300 mm	C	8UC71 21-3BB10		1	1 unit	103	0.200
Operating mechanisms for fixed mounting Black handle, shaft 250 mm	▶	3KX3 516-1AA		1	1 unit	103	0.088
Extension shafts, 300 mm long	B	8UC60 31		1	1 unit	103	0.068
Extension shafts, 600 mm long	B	8UC60 81		1	1 unit	103	0.136
Shaft connecting pieces	B	8UC60 21		1	1 unit	103	0.031
Auxiliary switches 1 NO + 1 NC ¹⁾	C	3SB14 00-0A		1	1 unit	102	0.020
Fuse monitor connections (1 set = 6 units)	B	3KX3 505-0AA		1	1 unit	103	0.014

3KM52/3KM53



3KX3 5.7-3AA



3KX3 507-0BA01

Terminal covers (1 set = 6 units) for 3-pole devices	3KM52 ▶	3KX3 552-3DA01		1	1 unit	103	0.077
	3KM53 ▶	3KX3 553-3DA01		1	1 unit	103	0.147
(1 set = 8 units) for 4-pole devices	3KM52 B	3KX3 552-3DB01		1	1 unit	103	0.102
	3KM53 B	3KX3 553-3DB01		1	1 unit	103	0.170
Fuse covers²⁾ (interlock only detachable in the OFF position)	▶	3KX3 527-3AA		1	1 unit	103	0.071
Fuse partitions (1 set = 5 units)	▶	3KX3 507-0AA01		1	1 unit	103	0.044
Lyre-shaped fuse covers (1 set = 6 units)	B	3KX3 507-0BA01		1	1 unit	103	0.033
Door-coupling rotary operating mechanisms IP65 Black handle, shaft 300 mm	C	8UC72 12-1BB20		1	1 unit	103	0.200
EMERGENCY-STOP (yellow/red), shaft 300 mm	C	8UC72 22-3BB20		1	1 unit	103	0.200
Operating mechanisms for fixed mounting Black handle, shaft 250 mm	▶	3KX3 536-1AA		1	1 unit	103	0.155

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

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

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

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

Accessories

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

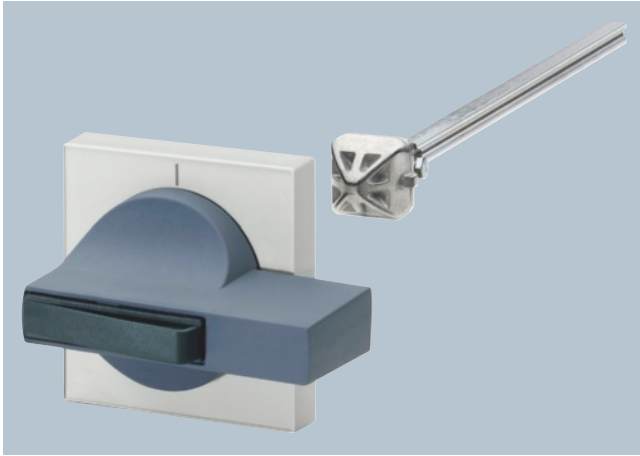
¹⁾ For more 3SB 14 00-0. contact blocks with other contact types, see our Mall.

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

8UC Door-Coupling Rotary Operating Mechanisms

For 3K switch disconnectors

Overview



4 standard sizes of operating mechanisms are available:

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

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

²⁾ Operation with two hands.

Application

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

Operating conditions and ambient conditions

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

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

Degree of protection

Degree of protection when installed is IP65.

Protective measures

All rotary operating mechanisms are fully insulated.

Standards

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

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

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

8UC Door-Coupling Rotary Operating Mechanisms

For 3K switch disconnectors

Selection and ordering data

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

Can be padlocked, with door interlocking

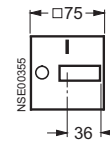
Supplied with seal and fixing screws

Switching device	Rated current	Cross-section of the actuating shaft	Torque	Rotary oper. mechanisms	Illustrated: Handle, masking plate
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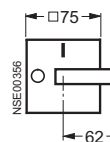
Type	A	mm	Nm	Size
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Switch disconnectors with or without fuses

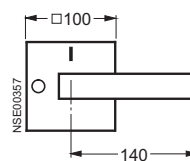
3KL50 ¹⁾ 3KM50 ¹⁾	63	6 x 6	3	1
3KA50 ¹⁾	63	6 x 6	3	
3KA51 ¹⁾	80	6 x 6	3	



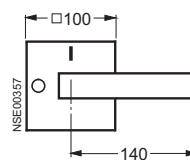
3KL52, 3KM52	125	8 x 8	7.5	2
3KL53, 3KM53	160	8 x 8	7.5	
3KA52	125	8 x 8	7.5	
3KA53	160	8 x 8	7.5	



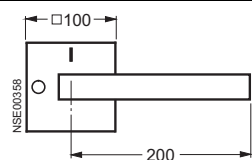
3KL55, 3KM55	250	10 x 10	16	3
3KL57, 3KM57	400	10 x 10	16	
3KA55	250	10 x 10	16	
3KA57	400	10 x 10	16	
3KA58	630	10 x 10	16	



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

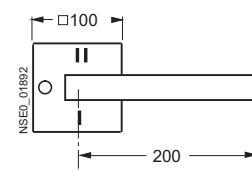


3KL61 ²⁾	630	12 x 12	30	4
3KL62 ²⁾	800	12 x 12	30	



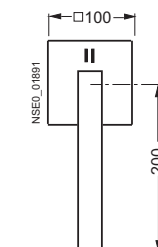
Switch disconnectors as changeover switches with break-before-make feature

3KE42 (2 units)	250	12 x 12	20	4
3KE43 (2 units)	400	12 x 12	20	
3KE44 (2 units)	630	12 x 12	30	
3KE45 (2 units)	1000	12 x 12	30	



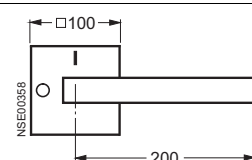
Switch disconnectors as changeover switches without break-before-make feature³⁾

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



Switch disconnectors with operating linkage (for parallel connection)

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



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

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

³⁾ The door interlocking plate must be removed.

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

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

8UC Door-Coupling Rotary Operating Mechanisms

For 3K switch disconnectors

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

* You can order this quantity or a multiple thereof.

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

8UC Door-Coupling Rotary Operating Mechanisms

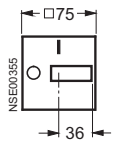
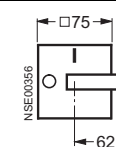
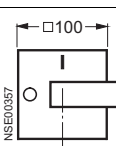
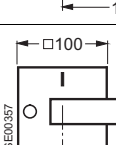
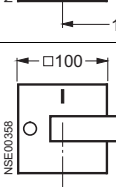
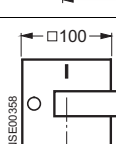
For 3K switch disconnectors

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

Can be padlocked, with door interlocking

Supplied with seal and fixing screws

Switching device	Rated current	Cross-section of the actuating shaft	Torque	Rotary operating mechanisms	Illustrated: Handle, masking plate
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Type	A	mm	Nm	Size		
Switch disconnectors with or without fuses						
	3KL50 ¹⁾ 3KM50 ¹⁾	63	6 × 6	3	1	
	3KA50 ¹⁾	63	6 × 6	3		
	3KA51 ¹⁾	80	6 × 6	3		
	3KL52, 3KM52	125	8 × 8	7.5	2	
	3KL53, 3KM53	160	8 × 8	7.5		
	3KA52	125	8 × 8	7.5		
	3KA53	160	8 × 8	7.5		
	3KL55, 3KM55	250	10 × 10	16	3	
	3KL57, 3KM57	400	10 × 10	16		
	3KA55	250	10 × 10	16		
	3KA57	400	10 × 10	16		
	3KA58	630	10 × 10	16		
	3KE42	250	12 × 12	15	3	
	3KE43	400	12 × 12	15		
	3KE44	630	12 × 12	24		
	3KE45	1000	12 × 12	24		
	3KL61 ²⁾	630	12 × 12	30	4	
	3KL62 ²⁾	800	12 × 12			
Switch disconnectors with operating linkage (for parallel connection)						
	3KE42 (2 units)	250	12 × 12	40	4	
	3KE43 (2 units)	400	12 × 12	40		
	3KE44 (2 units)	630	12 × 12	55		
	3KE45 (2 units)	1000	12 × 12	55		

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

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

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

8UC Door-Coupling Rotary Operating Mechanisms

For 3K switch disconnectors

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

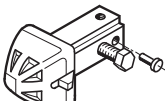
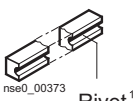
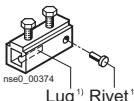
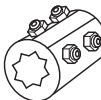
* You can order this quantity or a multiple thereof.

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

8UC Door-Coupling Rotary Operating Mechanisms

Individual parts

Selection and ordering data

For operating mechanism		Cross-section of the actuating shaft	A: Ti-grey handle, light-gray masking plate B: Red handle, yellow masking plate	DT	Individual parts for 8UC7 door-coupling rotary operating mechanisms	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Type	mm × mm				Order No.	Price per PU			kg
Handles with masking plate (including flat gasket and fixing screws)									
 8UC71 10-1BB	6 × 6	A	C	8UC71 10-1BB 8UC71 20-3BB	1	1 unit	103	0.200	
		B	C		1	1 unit	103	0.200	
 8UC72 10-6BD	8 × 8	A	C	8UC72 10-1BB 8UC72 20-3BB	1	1 unit	103	0.200	
		B	C		1	1 unit	103	0.200	
 8UC73 10-1BB	10 × 10	A	C	8UC73 10-1BB 8UC73 20-3BB	1	1 unit	103	0.200	
		B	C		1	1 unit	103	0.200	
 8UC74 10-1BB	12 × 12	A	C	8UC74 10-1BB 8UC74 10-1BF 8UC74 10-1FG 8UC74 20-3BB	1	1 unit	103	0.200	
		A	C		1	1 unit	103	0.200	
		A	C		1	1 unit	103	0.200	
		B	C		1	1 unit	103	0.200	
For operating mechanism		Cross-section of the actuating shaft		DT	Individual parts for 8UC6 door-coupling rotary operating mechanisms	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Type	mm × mm				Order No.	Price per PU			kg
Coupling drivers for 3K									
 8UC60 11	6 × 6		B	8UC60 11	1	1 unit	103	0.078	
	6 × 6		A	8UC60 16	1	1 unit	103	0.070	
	8 × 8		B	8UC60 12	1	1 unit	103	0.075	
	8 × 8		A	8UC60 17	1	1 unit	103	0.043	
	10 × 10		B	8UC60 13	1	1 unit	103	0.251	
	12 × 12		B	8UC60 14	1	1 unit	103	0.253	
Extension shafts 300 mm long									
 8UC60 31	6 × 6		B	8UC60 31	1	1 unit	103	0.068	
	8 × 8		B	8UC60 32	1	1 unit	103	0.132	
	10 × 10		C	8UC60 33	1	1 unit	103	0.217	
	12 × 12		B	8UC60 34	1	1 unit	103	0.315	
Extension shafts 600 mm long									
 8UC60 21 to 8UC60 24	6 × 6		B	8UC60 81	1	1 unit	103	0.136	
	8 × 8		B	8UC60 82	1	1 unit	103	0.265	
	10 × 10		B	8UC60 83	1	1 unit	103	0.430	
	12 × 12		B	8UC60 84	1	1 unit	103	0.640	
Shaft couplings									
 8UC92 53	6 × 6		B	8UC60 21	1	1 unit	103	0.031	
	8 × 8		B	8UC60 22	1	1 unit	103	0.023	
	10 × 10		B	8UC60 23	1	1 unit	103	0.085	
	12 × 12		B	8UC60 24	1	1 unit	103	0.077	
	12 × 12		▶	8UC92 53	1	1 unit	103	0.115	
Reducers									
8UC71	8 × 8 to 6 × 6		C	8UC70 58	1	1 unit	103	0.200	
8UC72	12 × 12 to 8 × 8		C	8UC70 50	1	1 unit	103	0.200	

¹⁾ Non-interchangeability features.

²⁾ Shortened coupling driver with reduced tolerance compensation.

* You can order this quantity or a multiple thereof.

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

8UC Door-Coupling Rotary Operating Mechanisms

Operating mechanisms for fixed mounting

Selection and ordering data

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

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

²⁾ Red handle available on request.

³⁾ Also required: 3KX2 210-0H coupling socket.