

SIEMENS

Catalog
Extract
LV 10

Edition
10/2022

SENTRON • SIVACON • ALPHA

Low-Voltage Power Distribution and Electrical Installation Technology

Transfer Switching Equipment and
Load Transfer Switches

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The products and systems described in this catalog are manufactured/distributed under application of a certified quality management system in accordance with EN ISO 9001 (for the Certified Registration Nos., see www.siemens.com/system-certificates/ep). The certificate is recognized by all IQNet countries.

Technical specifications

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

All illustrations are not binding.

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Low-Voltage Power Distribution and Electrical Installation Technology

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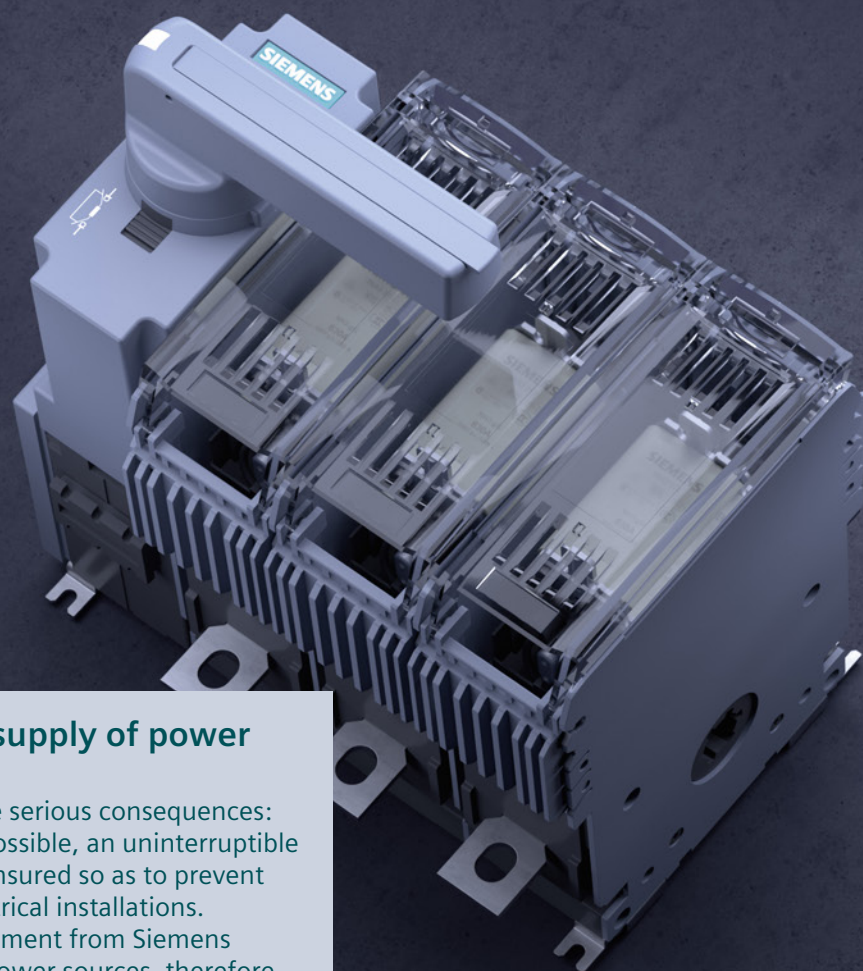
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A



For a continuous supply of power

A power failure can have serious consequences: To the greatest extent possible, an uninterruptible power supply must be ensured so as to prevent failure or outage of electrical installations. Transfer switching equipment from Siemens switches between two power sources, therefore providing a nearly continuous supply of power.

The devices are easy to install and can be quickly put into operation. Additional functions can also be easily added – thanks to the modular design of the devices and to their wide scope of available accessories.

Convenient ordering processes and fast delivery optimize stock-keeping and save you time and money. You can also use our CAX data for automated and streamlined planning and configuration.

Transfer Switching Equipment and Load Transfer Switches



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A multitude of additional information ...

Information + ordering

All the important things at a glance

For information about transfer switching equipment and load transfer switches, please visit our website www.siemens.com/switching-devices

Our white paper provides you with a good overview of the transfer switching equipment sie.ag/2XBonli

Your product in detail

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

- Technical Basic Information
 - Switch disconnectors and transfer switching equipment (109763354)

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

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

Everything you need for your order

Refer to the Industry Mall for an overview of your products

- Transfer switching equipment and load transfer switches sie.ag/2mmMw6g

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

Order supports are available in Siemens Industry Online Support (SIOS) at www.siemens.com/lowvoltage/product-support

- Order Support
 - 3KC automatic transfer switching equipment (ATSE)
 - End-to-end safety for user and systems (109755620)
 - 3KC remotely operated transfer switching equipment (RTSE) – End-to-end safety for user and systems (109755627)
 - 3KC manual transfer switching equipment (MTSE)
 - End-to-end safety for user and systems (109750227)



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... can be found in our online services

Commissioning + operation

Your product in detail

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www.siemens.com/lowvoltage/product-support

- Operating instructions
- Certificates

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You will find further information at www.siemens.com/support-app

Provision of 3D data (step and u3d data formats)

- Siemens Industry Mall
www.siemens.com/lowvoltage/mall
- Image database
www.siemens.com/lowvoltage/picturedb

Engineering data for CAD or CAE systems are available in the CAx Download Manager at www.siemens.com/cax

Manuals

Manuals are available for downloading in Siemens Industry Online Support (SIOS) at www.siemens.com/lowvoltage/manuals

- Configuration Manual
 - Transfer switching equipment and load transfer switches **(109769745)**
- Equipment Manual
 - 3KC3 and 3KC6 transfer switching equipment **(109754954)**
 - 3KC0 manual transfer switching equipment **(109763232)**
 - 3KC4 and 3KC8 transfer switching equipment **(109738725)**
 - 3KC ATC3100 transfer control device **(100341671)**
 - 3KC ATC6300 transfer control device **(109755149)**
 - 3KC ATC6500 transfer control device **(109758018)**

Technical overview – Transfer switching equipment and load transfer switches



The fast way to get you to our online services

This page provides you with comprehensive information and links on transfer switching equipment and load transfer switches

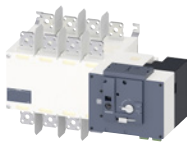
www.siemens.com/lowvoltage/product-support **(109764946)**

System overview

Remote (RTSE) and automatic (ATSE) transfer switching equipment



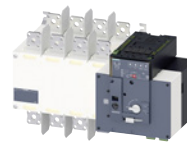
3KC3 (RTSE), 4-pole



3KC4 (RTSE), 3 and 4-pole

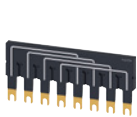


3KC6 (ATSE), 4-pole



3KC8 (ATSE), 3 and 4-pole

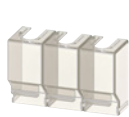
Accessories, RTSE and ATSE



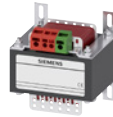
Bridging bars



Auxiliary switches



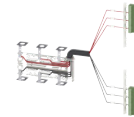
Terminal covers



Autotransformers



Dual power supply



Power supply and voltage sensing cables

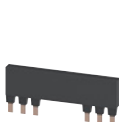
Manual transfer switching equipment (MTSE)



3KCO (MTSE), 3 and 4-pole



Accessories, MTSE



Bridging bars



4th contact element



Auxiliary switches



Direct operating mechanisms



Door-coupling rotary operating mechanisms



Phase barriers



Terminal covers

Note:

You will find a detailed range of accessories in the Accessories section.

Load transfer switches



Front mounting
3LD2



Floor mounting
3LD2



Molded-plastic
enclosures 3LD2

Accessories



4th contact
element



N/PE terminal



Auxiliary
switches



Terminal covers

Transfer control devices



3KC ATC3100



3KC ATC6300



3KC ATC6500

Accessories



Expansion modules



Front interface



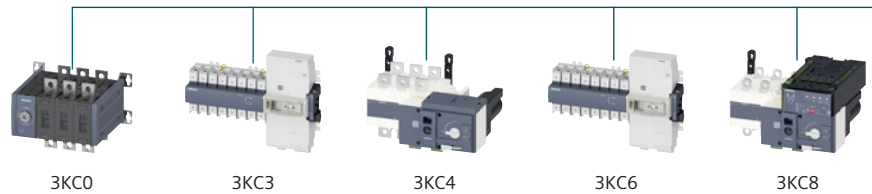
Protective seal

Note:

You will find a detailed range of accessories in the Accessories section.

Applications

Switching with switch disconnectors (without protection function)



Transfer types	Load transfer	AC	■	■	■	–	–
		DC	–	–	■	–	–
Transfer control	AC	AC	■	■	■	■	■
		DC	–	–	–	–	–
Method of operation	Manual (MTSE)		■	■	■	■	■
	Remote (RTSE)		–	■	■	–	■
	Automatic (ATSE)		–	With ATC6300	With ATC6300	■	■
Transfer control	Network/network	AC	■	■	■	■	■
	Network/generator	AC	■	■	■	–	■
	Generator/generator	AC	■	■	■	–	–
Rated operating current			16 ... 1600 A	40 ... 160 A	250 ... 3200 A	40 ... 160 A	250 ... 3200 A
Number of poles			3 and 4	4	3 and 4	4	3 and 4
Communication			–	With ATC6300	With ATC6300	–	–
Automatic load shedding			–	–	–	–	–

Further information

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onwards

From page 9/17
onwards

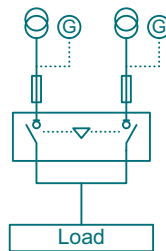
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onwards

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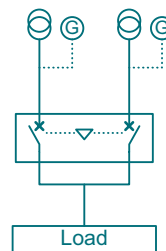
From page 9/17
onwards

¹⁾ Manual load transfer switch, not an MTSE

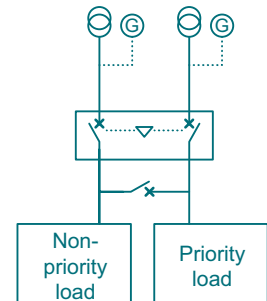
Transfer control



With switch disconnectors

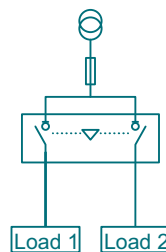


With circuit breakers



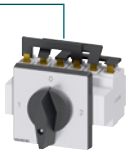
With circuit breakers
and automatic load shedding

Load transfer



With switch disconnectors

Switching with circuit breakers (with protection function)



3LD2



3KC ATC3100 (+ 3VA/3WA/3WL)



3KC ATC6300 (+ 3VA/3WA/3WL)



3KC ATC6500 (+ 3VA/3WA/3WL)

■	—	—	—
—	—	—	—
—	■	■	■
■ ¹⁾	—	—	—
—	■	■	■
—	■	■	■
—	■	■	■
—	■	■	■
—	—	■	■
25 ... 250 A	3VA: 16 ... 630 A, 3WA/3WL: 630 ... 6300 A	3VA: 16 ... 630 A, 3WA/3WL: 630 ... 6300 A	3VA: 16 ... 1600 A, 3WA/3WL: 630 ... 6300 A
3 and 4	3 and 4	3 and 4	3 and 4
—	—	■	■
—	—	—	■

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Transfer switching equipment and load transfer switches

Remote transfer switching equipment (RTSE), automatic transfer switching equipment (ATSE)

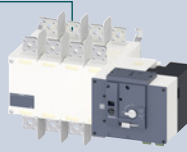


			3KC3424 3KC6424	3KC3426 3KC6426	3KC3428 3KC6428	3KC3430 3KC6430	3KC3432 3KC6432	3KC3434 3KC6434
Rated uninterrupted current I_u			40 A	63 A	80 A	100 A	125 A	160 A
Connection			Box terminal					
Switch positions			I–O–II					
Number of poles			4					
Size			–					
General technical specifications								
Operational voltage at 50/60 Hz AC in acc. to IEC 60947-6-1			V	415				
Operational voltage at 50/60 Hz AC in acc. to IEC 60947-3 (load transfer switch)			V	415				
Impulse withstand voltage (U_{imp}) for main circuit			kV	6				
Impulse withstand voltage (U_{imp}) for control circuit (RTSE/ATSE)			kV	4 (RTSE)/2.5 (ATSE)				
Operational current in acc. to IEC 60947-6-1	AC-31 A/B, at 415 V	A	40	63	80	100	100/125	100/160
	AC-32 A/B, at 415 V	A	40	63	80	100	100/125	100/160
	AC-33 B, at 415 V	A	40	63	80	100	125	125
Operational current in acc. to IEC 60947-3 (load transfer switch)	AC-21 A/B, at 415 V	A	40	63	80	100	125	125/160
	AC-21 A/B, at 690 V	A	40	63	80	100	125	125
	AC-22 A/B, at 415 V	A	40	63	80	100	125	125/160
	AC-22 A/B, at 690 V	A	40	63	80	80	100/125	100/125
	AC-23 A/B, at 415 V	A	40	63	80	100	125	125/160
	AC-23 A/B, at 690 V	A	40	63	63	80	80	80
Operational power in acc. to IEC 60947-3 (load transfer switch)	AC-23 A/B, at 415 V ¹⁾	kW	22	37	45	55	60	75
	AC-23 A/B, at 690 V ²⁾	kW	37	55	55	75	75	75
	AC-3 motor load switch at 380 ... 440 V	kW	–					
	AC-3 motor load switch at 660 ... 690 V	kW	–					
Short-circuit behavior								
Short-circuit current ratings in acc. to IEC 60947-6-1	Conditional short-circuit current with gG fuse (415 V)	kA	50	50	50	50	50	40
Short-circuit current ratings in acc. to IEC 60947-3 (load transfer switch)	Conditional short-circuit current with gG fuse (415 V)	kA	50	50	50	50	50	40
	Conditional short-circuit current with gG fuse (690 V)	kA	–					
Transfer switching properties (in acc. to IEC 60947-6-1)								
Switching time I–O and II–O		s	0.045					
Switch-off time I–O–II and II–O–I		s	0.15					
Transfer time I–O–II and II–O–I without/with line monitoring		s	0.18/1.4					
Degree of protection								
IP maximum degree of protection			IP20					
Standards UL/CSA, in acc. to UL508								
Rated operational voltage U_e AC		V	–					
Rated uninterrupted current I_u		A	–					
Maximum rated power (AC-3), 3-phase, 40 ... 60 Hz	480 V	hp	–					
	600 V	hp	–					
Further information								

¹⁾ For 3LD2 at 380 ... 440 V

²⁾ For 3LD2 at 660 ... 690 V

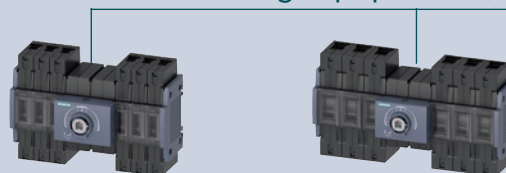
Remote transfer switching equipment (RTSE), automatic transfer switching equipment (ATSE)



3KC4.38 3KC8.38 250 A	3KC4.42 3KC8.42 400 A	3KC4.46 3KC8.46 630 A	3KC4.48 3KC8.48 800 A	3KC4.50 3KC8.50 1000 A	3KC4.52 3KC8.52 1250 A	3KC4.54 3KC8.54 1600 A	3KC4.56 3KC8.56 2000 A	3KC4.58 3KC8.58 2500 A	3KC4.60 3KC8.60 3200 A
Flat terminal									
I – O – II									
3 and 4									
–									
415									
690									
12									
4									
–/250	–/400	–/630	–/800	–/1000	–/1250	–/1600	–/2000	–/2500	–/3200
–/200	–/400	–/500	–/800	–/1000	–/1250	–/1250	–/2000	–/2000	–/2000
200	200	400	800	1000	1000	1000	1250	1250	1250
250	400	630	800	1000	1250	1600	–/2000	–/2500	–/3200
200	200	500	800	1000	1250	1600	–/2000	–/2000	–/2000
250	400	630	800	1000	1250	1600	–/2000	–/2500	–/3200
160	160	400	630	800	1000	1000	–	–	–
200	400	500/630	800	1000	1250	1250	–/1600	–/1600	–/1600
125	125	400	630	630	800	800	–	–	–
110	220	335	450	700	800	900	–	–	–
110	110	400	400	630	800	800	–	–	–
–									
–									
50	50	50	50	50	100	100	–	–	–
–									
50	50	50	50	50	100	100	–	–	–
–									
0.5	0.5	0.6	1.4	1.4	1.4	1.4	1.6	1.6	1.6
0.4	0.4	0.4	1.4	1.4	1.4	1.5	1.2	1.2	1.2
0.9/1.0	0.9/1.0	1.0/1.1	2.8/3.1	2.8/3.1	2.8/3.1	2.9/3.3	2.8/2.8	2.8/2.8	2.8/2.8
IP20									
–									
–									
–									
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From page 9/17 onwards									

Transfer switching equipment and load transfer switches

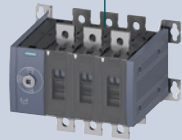
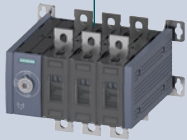
Manual transfer switching equipment (MTSE)



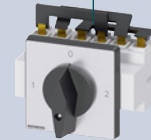
		3KC0.16	3KC0.22	3KC0.26	3KC0.28	3KC0.30	3KC0.32	3KC0.34	
Rated uninterrupted current I_u		16 A	32 A	63 A	80 A	100 A	125 A	160 A	
Connection		Box terminal			Box terminal				
Switch positions		I–O–II			I–O–II				
Number of poles		3 and 4			3 and 4				
Size		1			2				
General technical specifications									
Operational voltage at 50/60 Hz AC in acc. to IEC 60947-6-1		V	415			415			
Operational voltage at 50/60 Hz AC in acc. to IEC 60947-3 (load transfer switch)		V	690			690			
Impulse withstand voltage (U_{imp}) for main circuit		kV	8			8			
Impulse withstand voltage (U_{imp}) for control circuit (RTSE/ATSE)		kV	–			–			
Operational current in acc. to IEC 60947-6-1	AC-31 A/B, at 415 V	A	–/16	–/32	–/63	–/80	–/100	–/125	–/160
	AC-32 A/B, at 415 V	A	–/16	–/32	–/63	–/80	–/100	–/125	–/160
	AC-33 B, at 415 V	A	16	32	63	80	100	125	160
Operational current in acc. to IEC 60947-3 (load transfer switch)	AC-21 A/B, at 415 V	A	16/16	32/32	63/63	80/80	100/100	125/125	160/160
	AC-21 A/B, at 690 V	A	16/16	32/32	63/63	80/80	100/100	125/125	160/160
	AC-22 A/B, at 415 V	A	16/16	32/32	63/63	80/80	100/100	125/125	160/160
	AC-22 A/B, at 690 V	A	16/16	32/32	63/63	80/80	100/100	125/125	160/160
	AC-23 A/B, at 415 V	A	16/16	32/32	63/63	80/80	100/100	125/125	160/160
	AC-23 A/B, at 690 V	A	16/16	32/32	63/63	80/80	100/100	125/125	160/160
Operational power in acc. to IEC 60947-3 (load transfer switch)	AC-23 A/B, at 415 V ¹⁾	kW	7.5/7.5	15/15	30/30	37/37	55/55	55/55	90/90
	AC-23 A/B, at 690 V ²⁾	kW	11/11	30/30	55/55	75/75	90/90	110/110	110/110
	AC-3 motor load switch at 380 ... 440 V	kW	–			–			
	AC-3 motor load switch at 660 ... 690 V	kW	–			–			
Short-circuit behavior									
Short-circuit current ratings in acc. to IEC 60947-6-1	Conditional short-circuit current with gG fuse (415 V)	kA	100			100			
Short-circuit current ratings in acc. to IEC 60947-3 (load transfer switch)	Conditional short-circuit current with gG fuse (415 V)	kA	100			100			
	Conditional short-circuit current with gG fuse (690 V)	kA	100			65			
Transfer switching properties (in acc. to IEC 60947-6-1)									
Switching time I–O and II–O	s	–			–				
Switch-off time I–O–II and II–O–I	s	–			–				
Transfer time I–O–II and II–O–I without/with line monitoring	s	–			–				
Degree of protection									
IP maximum degree of protection		IP20			IP20				
Standards UL/CSA, in acc. to UL508									
Rated operational voltage U_e AC		V	–			–			
Rated uninterrupted current I_u		A	–			–			
Maximum rated power (AC-3), 3-phase, 40 ... 60 Hz	480 V	hp	–			–			
	600 V	hp	–			–			
Further information									
					From page 9/24 onwards		From page 9/24 onwards		

¹⁾ For 3LD2 at 380 ... 440 V²⁾ For 3LD2 at 660 ... 690 V

Manual transfer switching equipment (MTSE)



Load transfer switches

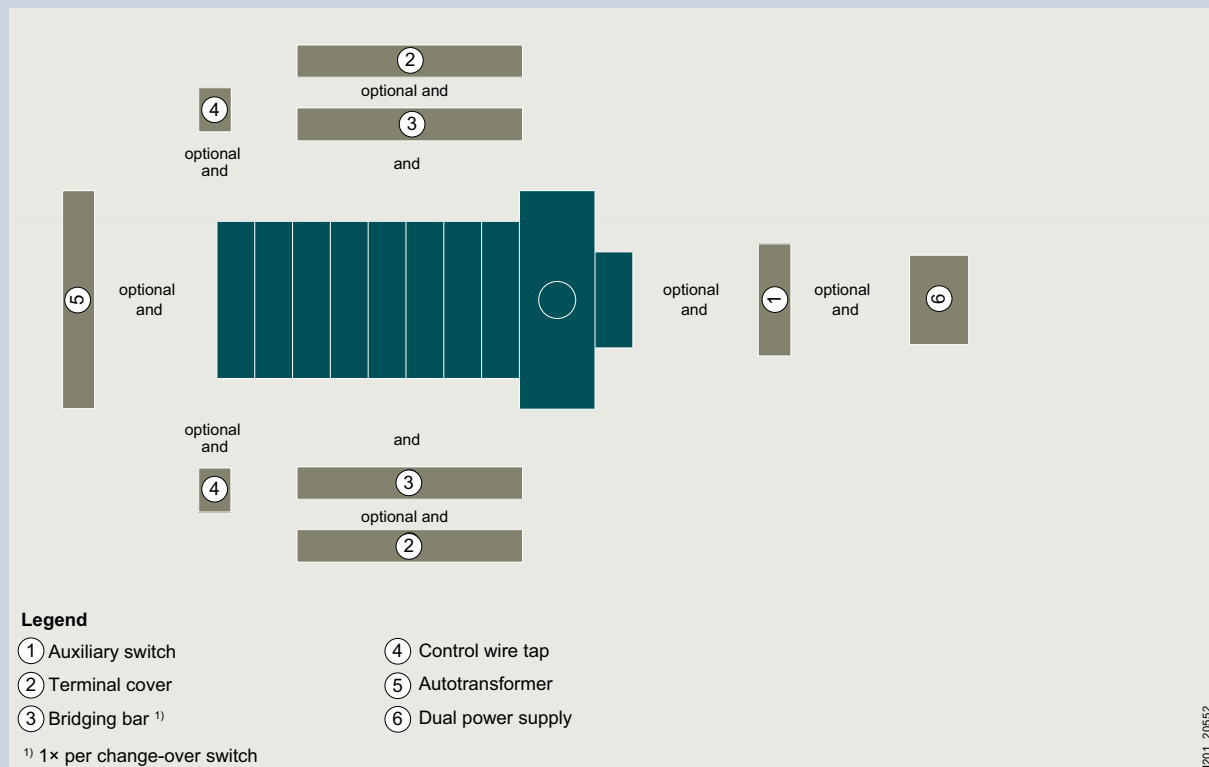


3KC0.36	3KC0.38	3KC0.40	3KC0.42	3KC0.44	3KC0.46	3KC0.48	3KC0.50	3KC0.52	3KC0.54	3LD21	3LD22	3LD25	3LD27	3LD23	3LD24
200 A	250 A	315 A	400 A	500 A	630 A	800 A	1000 A	1250 A	1600 A	25 A	32 A	63 A	100 A	160 A	250 A
Flat terminal				Flat terminal				Flat terminal				Box terminal			
I–O–II				I–O–II				I–O–II				I–O–II			
3 and 4				3 and 4				3 and 4				3			
3				4				5				–			
415				415				415				–			
690				690				690				690			
12				12				12				6			
–				–				–				–			
–/200	–/250	–/315	–/400	–/500	–/630	–/800	–/1000	–/1250	–/1600	–				–	
–/200	–/250	–/315	–/350	–/500	–/630	–/800	–/1000	–/1250	–/1250	–				–	
200	250	315	315	500	500	500	800	800	800	–				–	
200/200	250/250	315/315	400/400	500/500	630/630	800/800	1000/1000	1250/1250	1600/1600	25	32	63	100	160	250
200/200	250/250	315/315	400/400	500/500	630/630	800/800	1000/1000	1250/1250	1600/1600	25	32	63	100	160	250
200/200	250/250	315/315	400/400	500/500	630/630	800/800	1000/1000	1250/1250	1600/1600	25	32	63	100	140	230
200/200	250/250	315/315	400/400	500/500	630/630	800/800	1000/1000	1250/1250	1600/1600	25	32	63	100	140	230
200/200	250/250	315/315	400/400	500/500	630/630	670/670	800/800	800/800	800/800	20	22	43	70	132	224
200/200	250/250	315/315	315/315	500/500	500/500	500/500	800/800	800/800	800/800	11.5	13.5	22	34	47	58
110/110	132/132	160/160	220/220	280/280	355/355	355/355	400/400	400/400	400/400	9.5	11.5	22	37	75	132
185/185	220/220	280/280	355/355	500/500	500/500	500/500	800/800	800/800	800/800	9.5	11.5	18.5	30	45	55
–	–	–	–	–	–	–	–	–	–	7.5	9.5	18.5	30	50	110
–	–	–	–	–	–	–	–	–	–	7.5	9.5	15	22	37	45
100	100	65	65	100	100	65	100	80	80	–				–	
100	100	65	65	100	100	65	100	80	80	50	50	50	50	50	50
65	65	35	35	65	65	50	–	–	–	50	50	50	50	50	50
–				–				–				–			
–				–				–				–			
–				–				–				–			
IP20				IP20				IP20				IP65			
–				–				–				600	600	600	600
–				–				–				20	30	60	100
–				–				–				10	20 (15) ³⁾	40	60
–				–				–				15	30 (20) ³⁾	50	75
From page 9/24 onwards				From page 9/24 onwards				From page 9/24 onwards				From page 9/30 onwards			

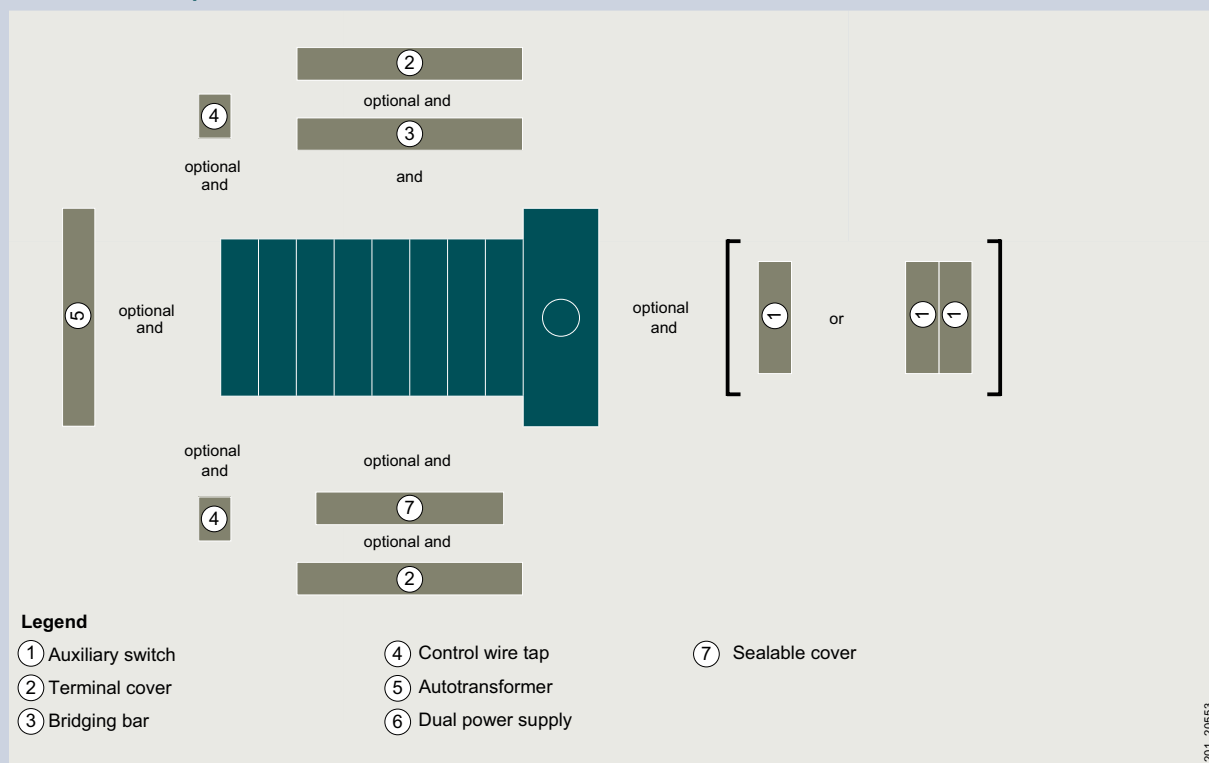
³⁾ Values in brackets apply to devices in molded-plastic enclosure.

Mounting concept and accessories

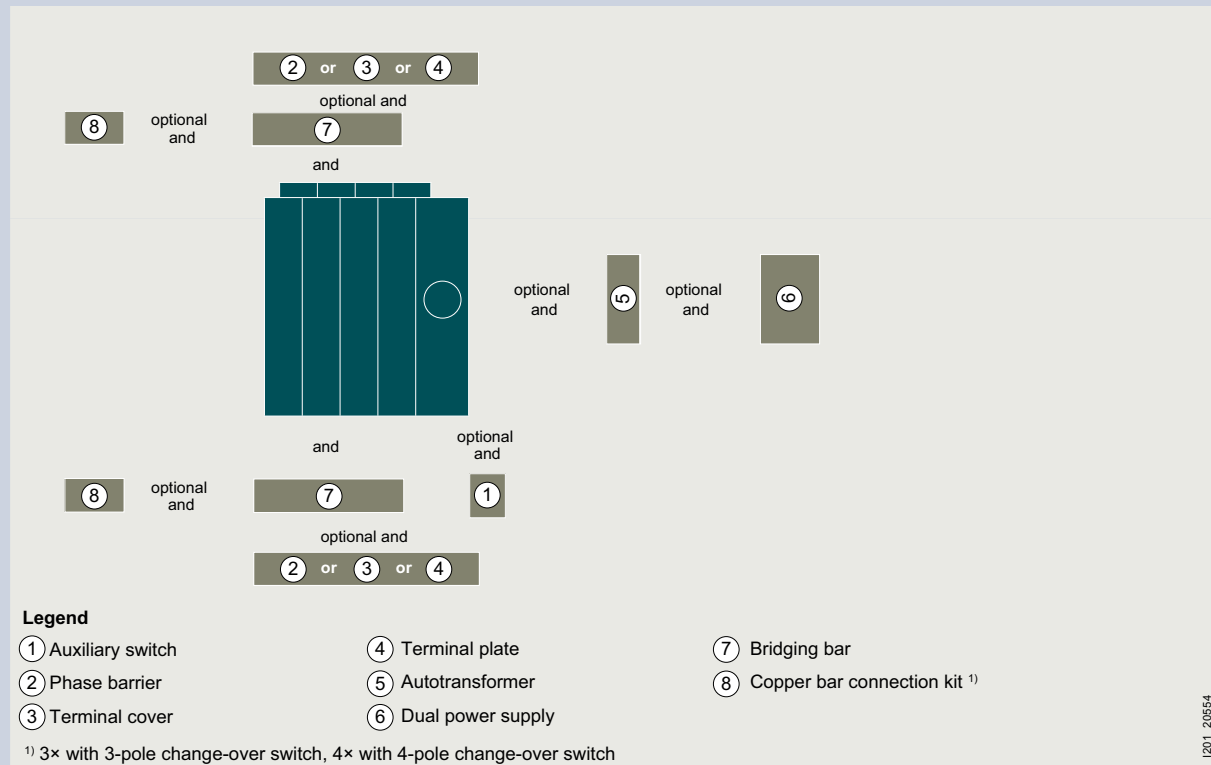
3KC3 (RTSE) 4-pole



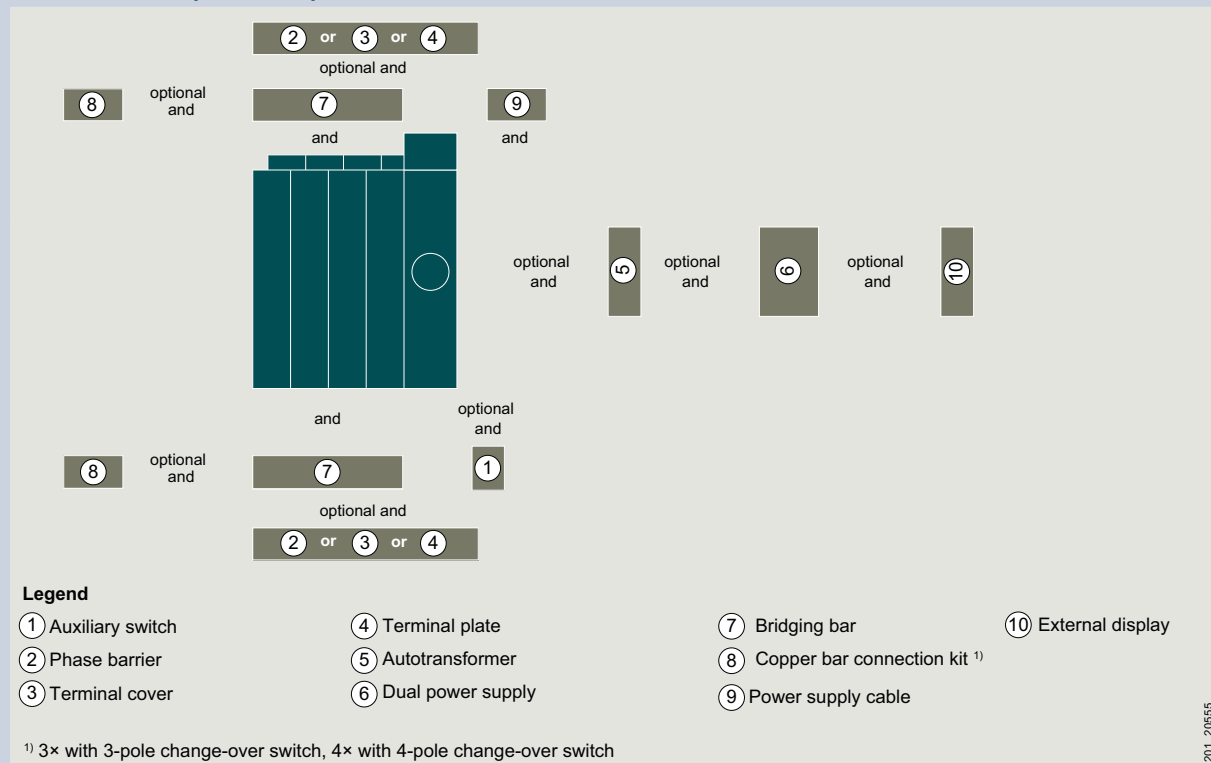
3KC6 (ATSE) 4-pole



3KC4 (RTSE) 3-pole or 4-pole

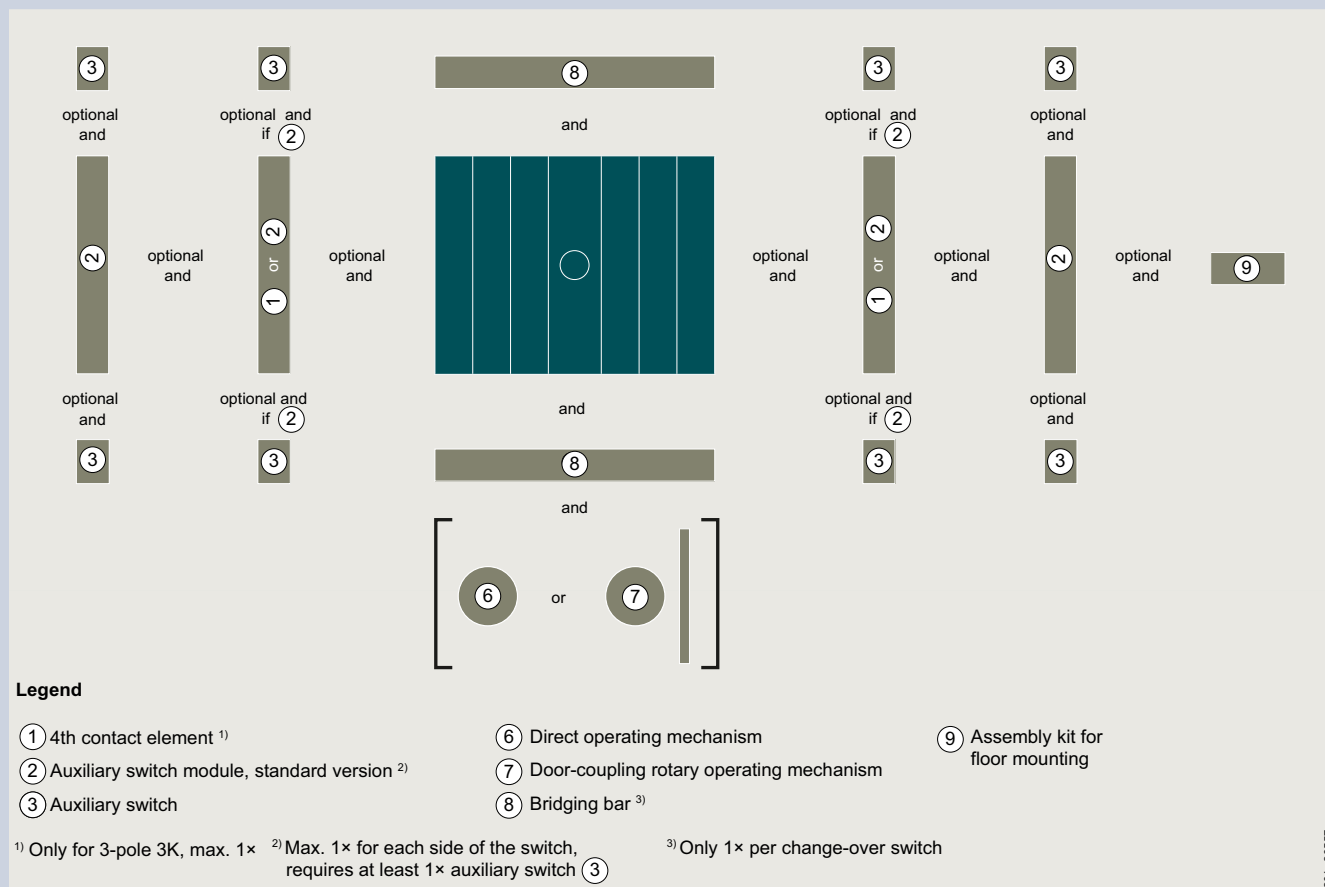
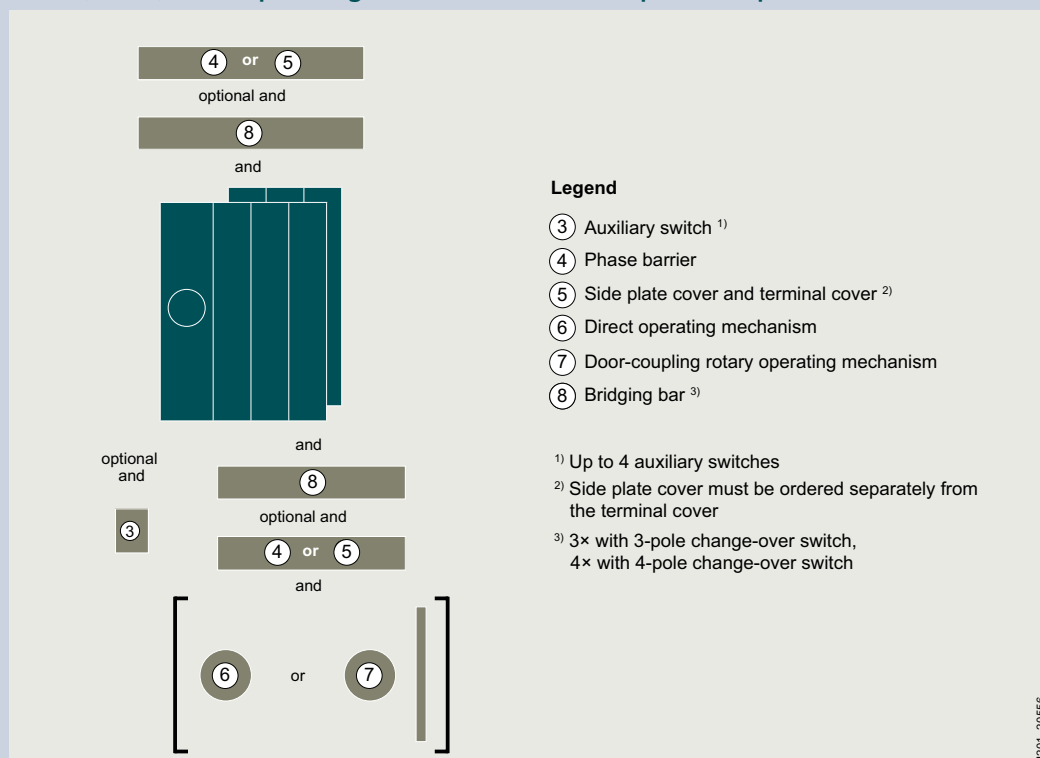


3KC8 (ATSE) 3-pole or 4-pole

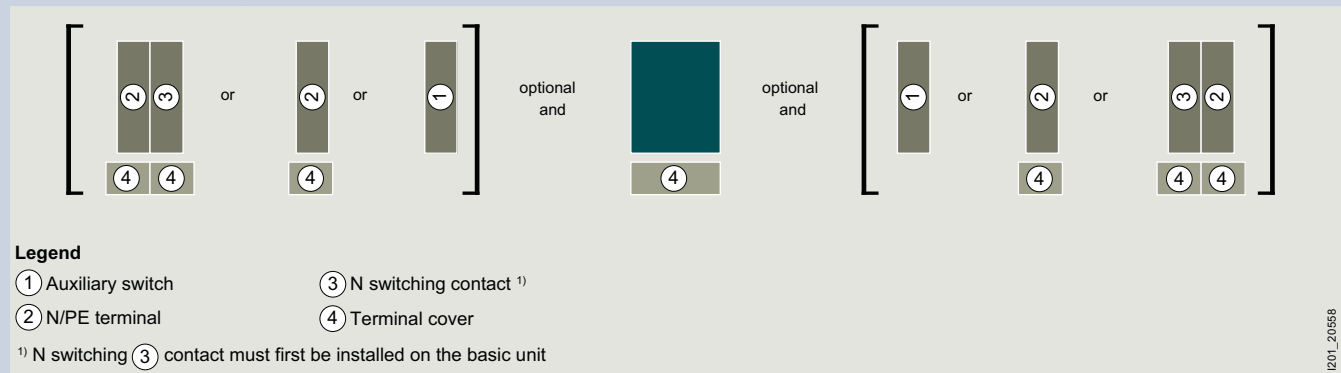


Mounting concept and accessories

3KC0 (MTSE) front operating mechanism on left, 3-pole or 4-pole, sizes 3 to 5

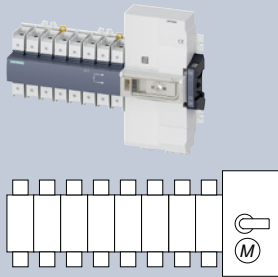
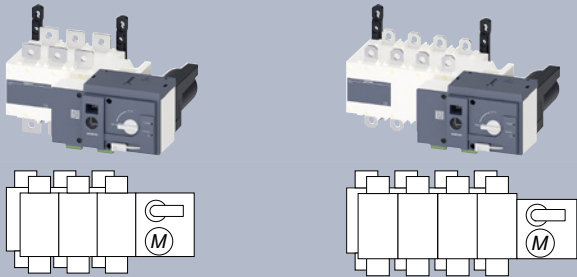


3LD2 load transfer switch mounting concept



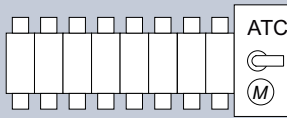
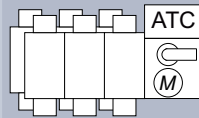
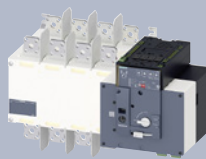
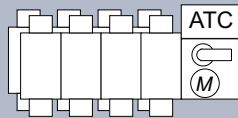
3KC3 and 3KC4 remote transfer switching equipment (RTSE)

40 to 3200 A

	Box terminal 3KC3 (RTSE)	Flat terminal 3KC4 (RTSE)	
Version	With motorized operating mechanism and additional handle	With motorized operating mechanism and additional handle	
Operating mechanism	Operating mechanism on right	Operating mechanism on right	
Mounting	Floor and DIN-rail mounting	Floor mounting	
Bridging bars	Additionally required for connection side	Additionally required for connection side	
Scope of supply	Including 3KC9603 auxiliary switches		
			
interrupted current I_u	4-pole	3-pole	4-pole
inal			
	3KC3424-2AA22-0AA3	–	–
	3KC3426-2AA22-0AA3	–	–
	3KC3428-2AA22-0AA3	–	–
	3KC3430-2AA22-0AA3	–	–
	3KC3432-2AA22-0AA3	–	–
	3KC3434-2AA22-0AA3	–	–
inal			
	–	3KC4338-0CA21-0AA3	3KC4438-0CA21-0AA3
	–	3KC4342-0DA21-0AA3	3KC4442-0DA21-0AA3
	–	3KC4346-0EA21-0AA3	3KC4446-0EA21-0AA3
	–	3KC4348-0FA21-0AA3	3KC4448-0FA21-0AA3
	–	3KC4350-0FA21-0AA3	3KC4450-0FA21-0AA3
	–	3KC4352-0GA21-0AA3	3KC4452-0GA21-0AA3
	–	3KC4354-0HA21-0AA3	3KC4454-0HA21-0AA3
	–	3KC4356-0JA21-0AA3	3KC4456-0JA21-0AA3
	–	3KC4358-0JA21-0AA3	3KC4458-0JA21-0AA3
	–	3KC4360-0JA21-0AA3	3KC4460-0JA21-0AA3

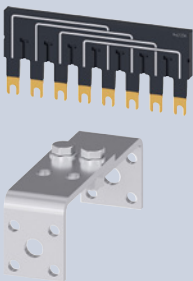
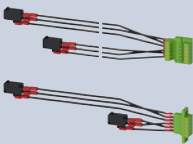
3KC6 and 3KC8 automatic transfer switching equipment (ATSE)

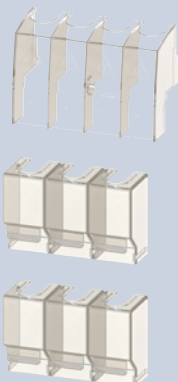
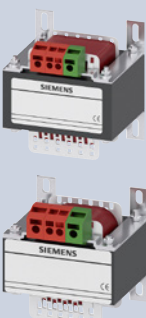
40 to 3200 A

	Box terminal 3KC6 (ATSE)	Flat terminal 3KC8 (ATSE)	
Version	With motorized operating mechanism, integrated controller and additional handle	With motorized operating mechanism, integrated controller and additional handle	
Operating mechanism	Operating mechanism on right	Operating mechanism on right	
Mounting	Floor and DIN-rail mounting	Floor mounting	
Bridging bars	Additionally required for connection side	Additionally required for connection side	
Scope of supply	Wired ready for operation (including power supply)	Without power supply and voltage sensing cables	
	 	   	
Rated uninterrupted current I_u	4-pole	3-pole	4-pole
Box terminal			
40 A	3KC6424-2TA20-0TA3	–	–
63 A	3KC6426-2TA20-0TA3	–	–
80 A	3KC6428-2TA20-0TA3	–	–
100 A	3KC6430-2TA20-0TA3	–	–
125 A	3KC6432-2TA20-0TA3	–	–
160 A	3KC6434-2TA20-0TA3	–	–
Flat terminal			
250 A	–	3KC8338-0CA22-0GA3	3KC8438-0CA22-0GA3
400 A	–	3KC8342-0DA22-0GA3	3KC8442-0DA22-0GA3
630 A	–	3KC8346-0EA22-0GA3	3KC8446-0EA22-0GA3
800 A	–	3KC8348-0FA22-0GA3	3KC8448-0FA22-0GA3
1000 A	–	3KC8350-0FA22-0GA3	3KC8450-0FA22-0GA3
1250 A	–	3KC8352-0GA22-0GA3	3KC8452-0GA22-0GA3
1600 A	–	3KC8354-0HA22-0GA3	3KC8454-0HA22-0GA3
2000 A	–	3KC8356-0JA22-0GA3	3KC8456-0JA22-0GA3
2500 A	–	3KC8358-0JA22-0GA3	3KC8458-0JA22-0GA3
3200 A	–	3KC8360-0JA22-0GA3	3KC8460-0JA22-0GA3

Accessories

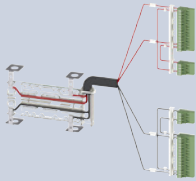
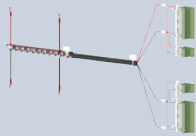
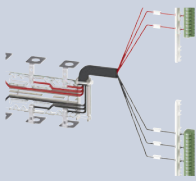
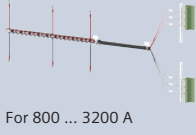
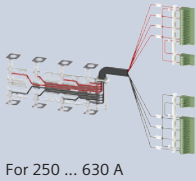
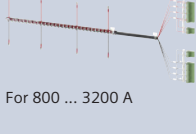
For remote transfer switching equipment (RTSE) and automatic transfer switching equipment (ATSE)

				RTSE	ATSE		
Bridging bar							
	- For load-side connection - For 3KC4/3KC8 3-pole transfer switches 3 units, for 3KC4/3KC8 4-pole transfer switches 4 units are required						
	Version	Number of poles	Scope of supply	Article No.			
	For 40 ... 125 A	4-pole	1 unit	3KC9618-2	■	■	
	For 160 A	4-pole	1 unit	3KC9618-3	■	■	
	For 250 A	1-pole	1 unit	3KC9818-2	■	■	
	For 400 A	1-pole	1 unit	3KC9818-3	■	■	
	For 630 A	1-pole	1 unit	3KC9818-4	■	■	
	For 800 ... 1000 A	1-pole	1 unit	3KC9818-5	■	■	
	For 1250 A	1-pole	1 unit	3KC9818-6	■	■	
	For 1600 A	1-pole	1 unit	3KC9818-7	■	■	
For 2000 ... 3200 A	1-pole	1 unit	3KC9818-8	■	■		
Control wire tap							
	Version	Scope of supply		Article No.			
	For 40 ... 160 A	2 units		3KC9622-2	■	■	
Auxiliary switches for 40 ... 160 A							
	- For 250 V AC/5 A or for 24 V DC/2 A 1 change-over contact for each position O, I, II - Max. 2 auxiliary switches can be installed per transfer switching equipment unit						
	Version	Contact configuration	Article No.				
	For 40 ... 160 A	With separate contacts	3KC9603-1			■	■
		With linked common contacts	3KC9603-2			■	■
Auxiliary switches for 250 ... 1600 A							
	- One auxiliary switch contains 2 leading changeover contacts, one changeover contact for position I and one changeover contact for position II (incl. bolt set) - Max. two auxiliary switches can be installed per transfer switching equipment unit - For 2000 ... 3200 A transfer switching equipment the auxiliary switch is included in the basic unit 250 V AC/12 A (AC-13), 24 V DC/14 A (DC-13)						
	Version			Article No.			
	For 250 ... 630 A			3KC9803-1	■	■	
	For 800 ... 1600 A			3KC9803-2	■	■	
	For 2000 ... 2500 A (included in the basic unit)			—	■	■	

					RTSE	ATSE	
Terminal covers							
	Version	Number of poles	Scope of supply	Article No.			
	For 40 ... 160 A	4-pole	2 units (1 unit covers 4 poles)	3KC9604-2	■	■	
	For 250 ... 400 A	3-pole	3 units (1 unit covers 1 pole)	3KC9804-1	■	■	
		4-pole	4 units (1 unit covers 1 pole)	3KC9804-2	■	■	
	For 630 A	3-pole	3 units (1 unit covers 1 pole)	3KC9804-3	■	■	
		4-pole	4 units (1 unit covers 1 pole)	3KC9804-4	■	■	
Sealable cover							
	Version	Scope of supply		Article No.			
	For 3KC6 (ATSE) 40 ... 160 A	Incl. bolt set and sealing ribbons		3KC9721-1	—	■	
	For 3KC8 (ATSE) 250 ... 3200 A	Incl. bolt set and sealing ribbons		3KC9821-0	—	■	
Sealing ribbon							
	• Also as spare part for sealable cover						
	Version	Scope of supply		Article No.			
	For 40 ... 3200 A	10 units		3KC9621-2	—	■	
Autotransformers							
	Version	Technical specifications		Article No.			
	For 40 ... 160 A	400 V/230 V AC; 400 VA		3KC9624-1	■	■	
	For 250 ... 3200 A, 3-pole	400 V/230 V AC; 200 VA		3KC9824-1	■	■	

Accessories

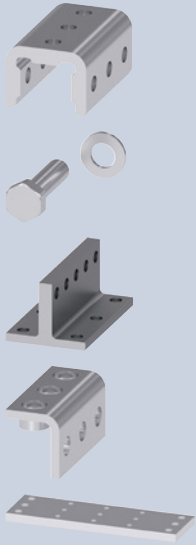
For remote transfer switching equipment (RTSE) and automatic transfer switching equipment (ATSE)

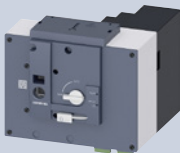
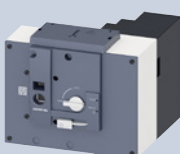
						RTSE	ATSE
Power supply and voltage sensing cables for ATSE							
Application	Infeed	Switches	Version	Article No.			
 For 250 ... 630 A  For 800 ... 3200 A	2-pole	From below, with power supply	3-pole	For 250 A	3KC9833-1	—	■
				For 400 A	3KC9833-2	—	■
				For 630 A	3KC9833-3	—	■
				For 800 ... 1000 A	3KC9833-4	—	■
				For 1250 A	3KC9833-5	—	■
				For 1600 A	3KC9833-6	—	■
				For 2000 ... 3200 A	3KC9833-7	—	■
	2-pole	From above, with power supply	3-pole	For 250 A	3KC9834-1	—	■
				For 400 A	3KC9834-2	—	■
				For 630 A	3KC9834-3	—	■
				For 800 ... 1000 A	3KC9834-4	—	■
				For 1250 A	3KC9834-5	—	■
				For 1600 A	3KC9834-6	—	■
				For 2000 ... 3200 A	3KC9834-7	—	■
 For 250 ... 630 A  For 800 ... 3200 A	3-pole	From below, without power supply	3-pole	For 250 A	3KC9822-1	—	■
				For 400 A	3KC9822-2	—	■
				For 630 A	3KC9822-3	—	■
				For 800 ... 1000 A	3KC9822-4	—	■
				For 1250 A	3KC9822-5	—	■
				For 1600 A	3KC9822-6	—	■
				For 2000 ... 3200 A	3KC9822-7	—	■
	3-pole	From above, without power supply	3-pole	For 250 A	3KC9832-1	—	■
				For 400 A	3KC9832-2	—	■
				For 630 A	3KC9832-3	—	■
				For 800 ... 1000 A	3KC9832-4	—	■
				For 1250 A	3KC9832-5	—	■
				For 1600 A	3KC9832-6	—	■
				For 2000 ... 3200 A	3KC9832-7	—	■
 For 250 ... 630 A  For 800 ... 3200 A	4-pole	From below, with power supply	4-pole	For 250 A	3KC9830-1	—	■
				For 400 A	3KC9830-2	—	■
				For 630 A	3KC9830-3	—	■
				For 800 ... 1000 A	3KC9830-4	—	■
				For 1250 A	3KC9830-5	—	■
				For 1600 A	3KC9830-6	—	■
				For 2000 ... 3200 A	3KC9830-7	—	■
	4-pole	From above, with power supply	4-pole	For 250 A	3KC9831-1	—	■
				For 400 A	3KC9831-2	—	■
				For 630 A	3KC9831-3	—	■
				For 800 ... 1000 A	3KC9831-4	—	■
				For 1250 A	3KC9831-5	—	■
				For 1600 A	3KC9831-6	—	■
				For 2000 ... 3200 A	3KC9831-7	—	■

				RTSE	ATSE
Dual power supply					
	Version		Technical specifications	Article No.	
	For 3KC3 and 3KC4 (RTSE) 40 ... 3200 A		240 V AC, 3 A	3KC9625-1	■ –
External display					
	• For installing in the control cabinet door				
	Version			Article No.	
	For 3KC8 (ATSE) 250 ... 3200 A			3KC9823-0	– ■
Connection cable					
	• 3 m RJ45 cable for external display				
	Version			Article No.	
	For 250 ... 3200 A			3KC9823-2	– ■
Phase barrier					
	• For 800 ... 3200 A transfer switching equipment included in the scope of supply of the basic unit				
	Version	Number of poles	Scope of supply	Article No.	
	For 250 ... 400 A	3-pole	2 units	3KC9808-1	■ ■
		4-pole	3 units	3KC9808-6	■ ■
	For 630 A	3-pole	2 units	3KC9808-2	■ ■
		4-pole	3 units	3KC9808-7	■ ■
Cover frame for ATSE					
	• For a clean and safe door cut-out				
	• To enable access to the front of the 3KC8 transfer switching equipment (electronic module and operation of the motorized operating mechanism)				
	Version			Article No.	
	250 ... 630 A			3KC9820-4	– ■
	800 ... 3200 A			3KC9820-5	– ■

Accessories

For remote transfer switching equipment (RTSE) and automatic transfer switching equipment (ATSE)

					RTSE	ATSE
Copper bar connection kit						
	Version	Designation	Scope of supply	Article No.		
	For 2000 ... 2500 A	C-bracket, part A	1 unit	3KC9811-0	■	■
	For 2000 ... 3200 A	Bolt set, part B	1 unit	3KC9811-1	■	■
				3KC9811-2	■	■
		T-bracket, part C	1 unit	3KC9811-3	■	■
		L-bracket, part D	2 units	3KC9811-4	■	■
		Bridging bars, part E	1 unit	3KC9818-8	■	■
Terminal plates						
	For protecting the front side at the upper and lower connecting terminals					
	Version	Number of poles		Article No.		
	For 250 ... 400 A	3-pole		3KC9827-1	■	■
		4-pole		3KC9828-1	■	■
	For 630 A	3-pole		3KC9827-2	■	■
		4-pole		3KC9828-2	■	■
	For 800 ... 1250 A	3-pole		3KC9827-3	■	■
		4-pole		3KC9828-3	■	■
	For 1600 A	3-pole		3KC9827-4	■	■
		4-pole		3KC9828-4	■	■
	For 2000 ... 3200 A	3-pole		3KC9827-5	■	■
		4-pole		3KC9828-5	■	■

			RTSE	ATSE
Motorized operating mechanism as spare part				
    	Version	Article No.		
	For 250 ... 400 A	3KC9826-1	■	■
	For 630 A	3KC9826-2	■	■
	For 800 ... 1250 A	3KC9826-3	■	■
	For 1600 A	3KC9826-4	■	■
	For 2000 ... 3200 A	3KC9826-5	■	■
Controller (electronic module) as spare part				
	Version	Article No.		
	For 250 ... 3200 A	3KC9826-0	—	■
Mounting kit as spare part				
	Comprising two device holders, each with two plastic covers			
	Version	Article No.		
	For 250 ... 630 A	3KC9820-6	■	■



Copper bar connection kit

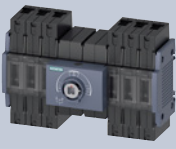
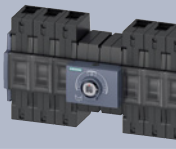
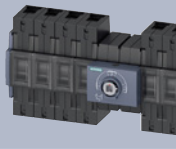
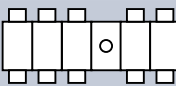
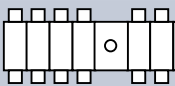
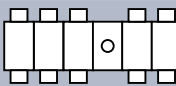
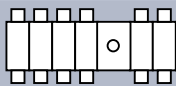


You will find further
information at:
sie.ag/36U7MCb



3KC0 manual transfer switching equipment (MTSE)

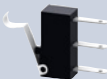
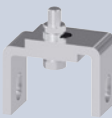
16 to 1600 A

	Box terminal		Size 2	
	Size 1			
Version	Basic unit without handle		Basic unit without handle	
Operating mechanism	Front operating mechanism		Front operating mechanism	
Mounting	DIN-rail and floor mounting ¹⁾		DIN-rail and floor mounting ¹⁾	
Bridging bars	Additionally required for connection side		Additionally required for connection side	
	 		 	
	 		 	
Rated uninterrupted current I_u	3-pole	4-pole	3-pole	4-pole
Box terminal				
16 A	3KC0316-2ME00-0AA0	3KC0416-2ME00-0AA0	–	–
32 A	3KC0322-2ME00-0AA0	3KC0422-2ME00-0AA0	–	–
63 A	3KC0326-2ME00-0AA0	3KC0426-2ME00-0AA0	–	–
80 A	–	–	3KC0328-2NE00-0AA0	3KC0428-2NE00-0AA0
100 A	–	–	3KC0330-2NE00-0AA0	3KC0430-2NE00-0AA0
125 A	–	–	3KC0332-2NE00-0AA0	3KC0432-2NE00-0AA0
160 A	–	–	3KC0334-2NE00-0AA0	3KC0434-2NE00-0AA0
Flat terminal				
200 A	–	–	–	–
250 A	–	–	–	–
315 A	–	–	–	–
400 A	–	–	–	–
500 A	–	–	–	–
630 A	–	–	–	–
800 A	–	–	–	–
1000 A	–	–	–	–
1250 A	–	–	–	–
1600 A	–	–	–	–

¹⁾ An assembly kit is required for floor mounting

Accessories

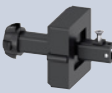
For manual transfer switching equipment (MTSE)

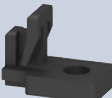
				Size 1	Size 2	Size 3	Size 4	Size 5
Box terminal (4th contact element, switching pole)								
	Connection			Article No.				
				3KD9105-2	■			
				3KD9205-2		■		
Auxiliary switch module								
	• Delivery: Does not include auxiliary switch • A maximum of 2 auxiliary switches can be installed per auxiliary switch module. • The auxiliary switches indicate the switch position of the respective switching equipment (I or II) to which the auxiliary switch module is connected.							
	Type			Article No.				
	Standard version			3KD9103-5	■	■		
Auxiliary switches								
	• Auxiliary switches for sizes 3 to 5 have a screw terminal and are mounted on the 3K operating mechanism module. Auxiliary switches with spring-loaded terminals from the 3SU1 program can also be used. • All auxiliary switches for sizes 3 to 5 can be used as leading auxiliary switches, depending on the mounting position of the auxiliary switch (see operating instructions).							
	Type	Contacts	Contact surface	Article No.				
	With connecting cables	1 CO	Standard	3KD9103-1	■	■		
			Solid-state compatible	3KD9103-3	■	■		
	Without connecting cables	1 CO	Standard	3KD9103-2	■	■		
			Solid-state compatible	3KD9103-4	■	■		
	1 NO	Standard	3SU1400-1AA10-1BA0			■	■	■
		Gold-plated	3SU1400-1AA10-1LA0			■	■	■
	1 NC	Standard	3SU1400-1AA10-1CA0			■	■	■
		Gold-plated	3SU1400-1AA10-1MA0			■	■	■
	1 NO + 1 NC	Standard	3SU1400-1AA10-1FA0			■	■	■
		Gold-plated	3SU1400-1AA10-1QA0			■	■	■
	2 NO	Standard	3SU1400-1AA10-1DA0			■	■	■
		Gold-plated	3SU1400-1AA10-1NA0			■	■	■
2 NC	Standard	3SU1400-1AA10-1EA0			■	■	■	
	Gold-plated	3SU1400-1AA10-1PA0			■	■	■	
Bridging bars								
• For load-side connection • For 3-pole transfer switches (sizes 3 to 5) 3 units, for 4-pole transfer switches (sizes 3 to 5) 4 units are required								
	Number of poles		Article No.					
	1-pole	1 unit	3KC9318-0			■		
			3KC9418-0				■	
3KC9518-0							■	
	3-pole	1 unit	3KC9118-1	■				
			3KC9218-1		■			
	4-pole	1 unit	3KC9118-2	■				
			3KC9218-2		■			

					Size 1	Size 2	Size 3	Size 4	Size 5							
Direct operating mechanism standard version																
	- Can be locked with up to max. 3 padlocks - Requires additional mounting depth in locked state															
	Color				Article No.											
	Gray				3KC9201-3					■	■					
					3KC9301-1							■				
					3KC9401-1								■			
					3KC9501-1									■		
	Red/yellow				3KC9301-2							■				
					3KC9401-2								■			
					3KC9501-2									■		
Flat direct operating mechanism for distribution boards																
	- Can be locked with one padlock - No additional mounting depth in locked state															
	Color				Article No.											
	Gray				3KC9101-4					■						
Door-coupling rotary operating mechanism, 8UD1 series																
	- Handle with masking plate - Coupling driver with tolerance compensation - Shaft 300 mm - Can be locked with up to max. 3 padlocks - Labeling I–O–II															
	Color				Handle length					Shaft		Article No.				
	Gray				55 mm		8 × 8 mm		8UD1131-2AE21		■	■				
					100 mm		8 × 8 mm		8UD1141-2AE21					■		
					140 mm		10 × 10 mm		8UD1151-3AE21						■	
					200 mm		12 × 12 mm		8UD1161-4AE21							■
Handles for door-coupling rotary operating mechanisms, 8UD1 series																
	- Without extension shaft and coupling driver - With masking plate - Can be locked with up to max. 3 padlocks - Labeling I–O–II															
	Color				Handle length					Shaft		Article No.				
	Gray				55 mm		8 × 8 mm		8UD1731-2AE01		■	■				
					100 mm		8 × 8 mm		8UD1841-2AE01					■		
					140 mm		10 × 10 mm		8UD1851-3AE01						■	
					200 mm		12 × 12 mm		8UD1861-4AE01							■
	Red/yellow				55 mm		8 × 8 mm		8UD1731-2AE05		■	■				
					100 mm		8 × 8 mm		8UD1841-2AE05					■		
					140 mm		10 × 10 mm		8UD1851-3AE05						■	
					200 mm		12 × 12 mm		8UD1861-4AE05							■

Accessories

For manual transfer switching equipment (MTSE)

			Size 1	Size 2	Size 3	Size 4	Size 5
Extension shaft for door-coupling rotary operating mechanism, 8UD1 series							
	• A shaft jack is required for the 8UD1 handle when the 600 mm long shaft is used and for sizes 1/2.						
	Length	Cross-section	Article No.				
	300 mm	8 × 8 mm	8UC6032	■	■	■	
		10 × 10 mm	8UC6033				■
		12 × 12 mm	8UC6034				■
	600 mm	8 × 8 mm	8UC6082	■	■	■	
		10 × 10 mm	8UC6083				■
12 × 12 mm		8UC6084				■	
Shaft jack for 8UD1 handle for shaft, 600 mm							
	Shaft	Article No.					
	8 × 8 mm	8UD1900-0FA00	■	■			
Coupling drivers							
	Type	Shaft	Article No.				
	With tolerance compensation	8 × 8 mm	8UD1900-2GA00	■	■		
		8 × 8 mm	8UD1900-6GA00			■	
		10 × 10 mm	8UD1900-3GA00				■
		12 × 12 mm	8UD1900-4GA00				■
	Without tolerance compensation	8 × 8 mm	8UD1900-2HA00	■	■		
		8 × 8 mm	8UD1900-6HA00			■	
		10 × 10 mm	8UD1900-3HA00				■
		12 × 12 mm	8UD1900-4HA00				■
Adapters for shafts							
	• Non-interchangeability features (rivet and lug)						
	Shaft	Article No.					
	8 × 8 mm	8UC6022	■	■			
	8 × 8 mm	8UC6022			■		
	10 × 10 mm	8UC6023				■	
	12 × 12 mm	8UC6024				■	
Phase barriers							
	• For manual transfer switching equipment (MTSE) with flat terminals						
	• One pack (6 or 8 units) is required for the infeed side and the load side						
	Number of poles, switch	Scope of supply	Article No.				
	3-pole	6 units	3KD9308-6			■	
		6 units	3KD9408-6				■
		6 units	3KD9508-6				■
	4-pole	8 units	3KD9308-8			■	
		8 units	3KD9408-8				■
8 units		3KD9508-8				■	

					Size 1	Size 2	Size 3	Size 4	Size 5
Terminal covers									
 	- For manual transfer switching equipment (MTSE) with flat terminals - One pack (6 or 8 units) is required for the infeed side and the load side - Additional side plate covers are required for terminal covers on the terminal side, where bridging bars are used (normally the load side)								
	Length	Number of poles, switch	Scope of supply	Article No.					
	Standard length	3-pole	6 units	3KD9304-6			■		
				3KD9404-6				■	
				3KD9504-6					■
		4-pole	8 units	3KD9304-8			■		
				3KD9404-8				■	
				3KD9504-8					■
	Short version	3-pole	6 units	3KD9304-7			■		
				3KD9404-7				■	
		4-pole	8 units	3KD9304-5				■	
				3KD9404-5					■
Terminal covers as spare parts									
 	Length	Scope of supply		Article No.					
	Standard length	1 unit		3KD9504-1					■
	Short version	1 unit		3KD9304-1			■		
				3KD9404-1				■	
Side plate covers									
	- For lateral touch protection on the terminal side, where bridging bars are used (normally the load side) - Suitable for terminal covers in standard length								
	Length	Scope of supply		Article No.					
	Standard length	2 units		3KC9304-0			■		
				3KC9404-0				■	
3KC9504-0								■	
Assembly kit for floor mounting									
	- For floor mounting of sizes 1 and 2 - Contains 4 mounting brackets and 2 mounting plates for 3-pole and 4-pole devices								
					Article No.				
					3KC9120-1	■	■		
Mounting bracket as spare part									
	Spare part for mounting brackets included in the assembly kit for 3-pole and 4-pole devices								
	Scope of supply				Article No.				
	4 units				3KD9120-1	■	■		
Slide for mounting on DIN rail as spare part									
	Spare part included in the scope of supply for the 3KC0 slide for DIN-rail mounting								
	Scope of supply				Article No.				
	5 units				3KF9112-0BA00	■	■		

3LD2 load transfer switches

Up to 250 A

	Front mounting
	Direct operating mechanism (knob-operated mechanism)
Actuator color	Black
Locking device	3LD23 and 3LD24 lockable with up to 3 padlocks with a hasp thickness of 4 to 6 mm (all other versions non-lockable)
Mounting	Four-hole mounting
Bridging bars	Pre-assembled



Rated uninterrupted current I_u (AC-21A, 380 ... 440 V)	Rated operational power (50/60 Hz, 380 ... 440 V)		3P	3P+N
	At AC-23A	At AC-3		
25 A	9.5 kW	7.5 kW	3LD2123-7UK01	–
32 A	11.5 kW	9.5 kW	3LD2223-7UK01	–
63 A	22.0 kW	18.5 kW	3LD2524-7UK01	–
100 A	37.0 kW	30.0 kW	3LD2724-7UK01	–
160 A	75 kW	50 kW	3LD2305-7UK01	3LD2305-7UL01
250 A	132 kW	110 kW	3LD2405-7UK01	3LD2405-7UL01

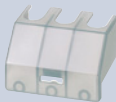
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Accessories

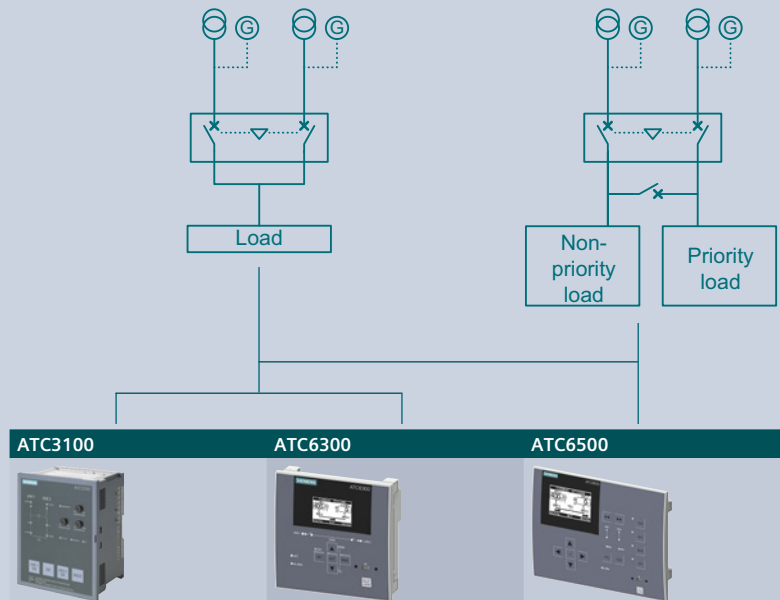
		3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD23 (160 A)	3LD24 (250 A)
4th contact (N conductor)							
 - Leading switch-on, lagging switch-off - Bridging bars for the switchable N pole are not included in the scope of supply	Load transfer switch design	Article No.					
	Front mounting	3LD9220-0B	■	■			
		3LD9250-0BA			■		
		3LD9280-0B			■		
		3LD9240-0B				■	■
	Floor mounting	3LD9240-0C				■	■
	Molded-plastic enclosures	3LD9220-0C	■	■			
		3LD9250-0CA ¹⁾		■			
		3LD9280-0C ¹⁾			■		
N or PE terminals							
 Through-type	Load transfer switch design	Article No.					
	Front mounting	3LD9220-2B	■	■			
		3LD9250-2BA		■			
		3LD9280-2B			■		
		3LD9240-2B				■	■
	Floor mounting	3LD9240-2C				■	■

¹⁾ Can only be used as a spare part, as no additional poles can be installed in the enclosure.

Floor mounting Door-coupling rotary operating mechanism (knob-operated mechanism)		Molded-plastic enclosures Direct operating mechanism (knob-operated mechanism)
Black		Black
Lockable in O position with up to 3 padlocks with a hasp thickness of 4 to 6 mm		3LD21 and 3LD22 lockable in O position with up to 3 padlocks with a hasp thickness of 4 to 6 mm (all other versions non-lockable)
Four-hole mounting		Metric screw connection
Pre-assembled		Pre-assembled
		
3P	3P+N	3P + N and PE base terminal
–	–	3LD2165-7UB01
–	–	3LD2265-7UB01
–	–	3LD2566-7UB01
–	–	3LD2766-7UB01
3LD2318-7UK01	3LD2318-7UL01	–
3LD2418-7UK01	3LD2418-7UL01	–

				3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD23 (160 A)	3LD24 (250 A)
Auxiliary switches									
	- For mounting on the left and/or right, lagging switch-on, leading switch-off - For 3-pole load transfer switches only - Indicate the switch position of the respective load transfer switch (I or II) to which the auxiliary switch module is connected								
	Load transfer switch design	Contacts	Type of contact	Article No.					
	Front mounting	1 NO + 1 NC	Standard	3LD9200-5B	■	■	■	■	■
			Gold-plated	3LD9200-5BF	■	■	■	■	■
	Floor mounting and molded-plastic enclosure	1 NO + 1 NC	Standard	3LD9200-5C	■	■	■	■	■
			Gold-plated	3LD9200-5CF	■	■	■	■	■
		2 NO	Standard	3LD9200-6C	■	■	■	■	■
Terminal covers as additional touch protection									
For mounting on load side only									
	1-pole	4 units		3LD9221-2A	■	■			
				3LD9251-2A			■		
				3LD9281-2A				■	
				3LD9241-2A					■
	3-pole	4 units		3LD9221-0A	■	■			
				3LD9251-0A		■			
Shaft coupling									
	No ON-lock								
	Load transfer switch design		Article No.						
	Floor mounting		3LD9242-4F					■	■

3KC ATC transfer control devices



Version	Controllable switching devices	Interfaces	ATC3100	ATC6300	ATC6500
For fast parameterization without software	2	–	3KC9000-8EL10	–	–
For programming with user-friendly software, with programmable inputs and outputs	2	Optional communications interface and LCD display	–	3KC9000-8TL40	–
	3	Integrated RS485 interface and LCD display	–	–	3KC9000-8TL50

Further technical specifications		ATC3100	ATC6300	ATC6500
Application				
Transfer between		Network/network, network/generator	Network/network, network/generator, generator/generator	
Controllable switching devices		2		3
In-phase transition		–		Yes
Implementation of transfer with		3VA, 3VL, 3VT, 3WA/3WL, 3WT	3WA/3WL FSI-III, 3WT, 3KC3, 3KC4, 3VA, 3VL	3WA/3WL FSI-III, 3WL10, 3WT, 3VA
Measuring inputs				
Max. rated operational voltage U_e	Phase-phase	400 V AC	480 V AC	600 V AC
	Phase-neutral conductor	230 V AC	277 V AC	346 V AC
Measuring range	Phase-phase	–	50 ... 576 V AC	50 ... 720 V AC
	Phase-neutral conductor	161 ... 264 V AC	50 ... 333 V AC	30 ... 415 V AC
Frequency range		50/60 Hz	45 ... 65 Hz	
Relative error of measurement method		±5%	±0.25%	
Communication				
Integrated RS485 interface (Modbus RTU)		–		Yes
Optional RS485 interface (Modbus RTU)		–	Yes	Ready-integrated
Optional Ethernet interface (Modbus TCP)		–	Yes	
Power supply				
Auxiliary power supply	Rated operational voltage U_e AC	220 ... 240 V	100 ... 240 V	
	Rated operational voltage U_e DC	–	110 ... 250 V	
	Frequency range	50/60 Hz	45 ... 65 Hz	
Battery power supply	Rated operational voltage U_e DC	12/24 V		12/24/48 V
Digital inputs				
Number of inputs		5	6	8
Freely programmable		–	All	
Relay outputs				
Number of outputs		7	7	
Freely programmable		–	All	
Contact configuration		–	6× 1 NO, 8 A, 250 V AC (AC-1) 1× 1 CO, 8 A, 250 V AC (AC-1)	2× 1 NO, 12 A, 250 V AC (AC-1) 2× 1 NO, 8 A, 250 V AC (AC-1) 3× 1 CO, 8 A, 250 V AC (AC-1)
Real time clock and event log				
ATC component		No	Yes	
Operating time without voltage		–	300 s	14 days
Max. number of events that can be stored		–	100	250
Connections				
Terminal type		Removable/plug-in		
Cable cross-section IEC		0.5 ... 2.5 mm ²	0.2 ... 2.5 mm ²	
Enclosures				
Version		Door installation, DIN-rail mounting, floor mounting	Door installation	
Degree of protection		IP41 on the front, IP20 on the rear side	IP40 on the front, IP20 on the rear side	

Accessories for transfer control devices

For 3KC ATC3100 transfer switching equipment

Connecting cable for 3KC ATC3100

- Measurement and control cable for connection of 3KC ATC3100 to 3VL or 3WA/3WL

Cable length	Article No.
1.8 m	3KC9000-8EL62

For 3KC ATC6300 and 3KC ATC6500 transfer switching equipment

Expansion modules with digital inputs and outputs



ATC6 expansion module	Features	Article No.
4DI	4 digital inputs - Including insulated 24 V DC/1 W power supply for digital inputs and sensors	3KC9000-8TL60
4DO, SSR	4 solid-state-compatible digital outputs 4 NO at the solid-state-compatible output max. 55 mA at 30 V AC or 40 V DC	3KC9000-8TL61
2DI/2DO, SSR	2 digital inputs and 2 solid-state compatible digital outputs - Including insulated 24 V DC/1 W power supply for digital inputs and sensors 2 NO at the solid-state-compatible output max. 55 mA at 30 V AC or 40 V DC	3KC9000-8TL62
2DO, relay	2 relay outputs 2 CO at relay output, 5 A, 250 V AC (AC-1)	3KC9000-8TL63
2DI/2DO, relay	2 digital inputs and 2 relay outputs 2 NO at relay output, 5 A, 250 V AC (AC-1)	3KC9000-8TL64

Expansion modules with communications interfaces



- Note:** The 3KC ATC6500 transfer switching equipment comes with an integrated RS485 interface

ATC6 expansion module	Features	Article No.
RS485	RS485 interface, Modbus RTU	3KC9000-8TL74
Ethernet	Ethernet interface, Modbus TCP	3KC9000-8TL75

Front interface



- For parameterization on the front using software

ATC6 front interface	Features	Article No.
USB	Mini-USB cable, 1.8 m	3KC9000-8TL73

Protective seal



- For front IP65 protection

Suitable for	Version	Article No.
3KC ATC6300	144 × 144 mm	3KC9000-8TL67
3KC ATC6500	240 × 180 mm	3KC9000-8TL68



Appendix



Conditions of sale and delivery _____ A/2

Link directory _____ A/4

Conditions of sale and delivery

1. General Provisions

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

1.1 For customers with a seat or registered office in European Union

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

- for products, which include specific terms and conditions in the description text, these specific terms and conditions shall apply and subordinate thereto,
- for stand-alone software products and software products forming a part of a product or project, the „General License Conditions for Software Products for Automation and Drives for Customers with a Seat or registered Office in Germany“¹⁾ and/or
- for consulting services the „Allgemeine Geschäftsbedingungen für Beratungsleistungen der Division DF – Deutschland“ (available only in German) and/or
- for other services, the „Supplementary Terms and Conditions for Services (‘‘BL’’)¹⁾ and/or
- for other supplies the „General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry“¹⁾.

In case such supplies should contain Open Source Software, the conditions of which shall prevail over the „General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry“¹⁾, a notice will be contained in the scope of delivery in which the applicable conditions for Open Source Software are specified. This shall apply mutatis mutandis for notices referring to other third party software components.

1.2 For customers with a seat or registered office outside European Union

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

- for products, which include specific terms and conditions in the description text, these specific terms and conditions shall apply and subordinate thereto,
- for consulting services the „Standard Terms and Conditions for Consulting Services of the Division DF for Customers with a Seat or Registered Office Outside of Germany“¹⁾ and/or
- for other services the „International Terms & Conditions for Services“¹⁾ supplemented by „Software Licensing Conditions“¹⁾ and/or
- for other supplies of hard- and software the „International Terms & Conditions for Products“¹⁾ supplemented by „Software Licensing Conditions“¹⁾

1.3 For customers with master or framework agreement

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

2. Additional Terms and Conditions

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

Illustrations are not binding.

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

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

3. Export Regulations

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

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If you transfer goods (hardware and/or software and/or technology as well as corresponding documentation, regardless of the mode of provision) delivered by us or works and services (including all kinds of technical support) performed by us to a third party worldwide, you shall comply with all applicable national and international (re-)export control regulations. In any event of such transfer of goods, works and services you shall comply with the (re-) export control regulations of the Federal Republic of Germany, of the European Union and of the United States of America.

Prior to any transfer of goods, works and services provided by us to a third party you shall in particular check and guarantee by appropriate measures that

- there will be no infringement of an embargo imposed by the European Union, by the United States of America and/or by the United Nations by such transfer, by brokering of contracts concerning those goods, works and services or by provision of other economic resources in connection with those goods, works and services, also considering the limitations of domestic business and prohibitions of by-passing those embargos;
- such goods, works and services are not intended for use in connection with armaments, nuclear technology or weapons, if and to the extent such use is subject to prohibition or authorization, unless required authorization is provided;
- the regulations of all applicable Sanctioned Party Lists of the European Union and the United States of America concerning the trading with entities, persons and organizations listed therein are considered.

If required to enable authorities or us to conduct export control checks, you, upon request by us, shall promptly provide us with all information pertaining to the particular end customer, the particular destination and the particular intended use of goods, works and services provided by us, as well as any export control restrictions existing.

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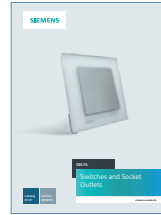
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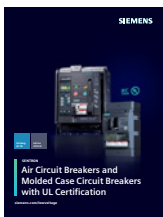
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