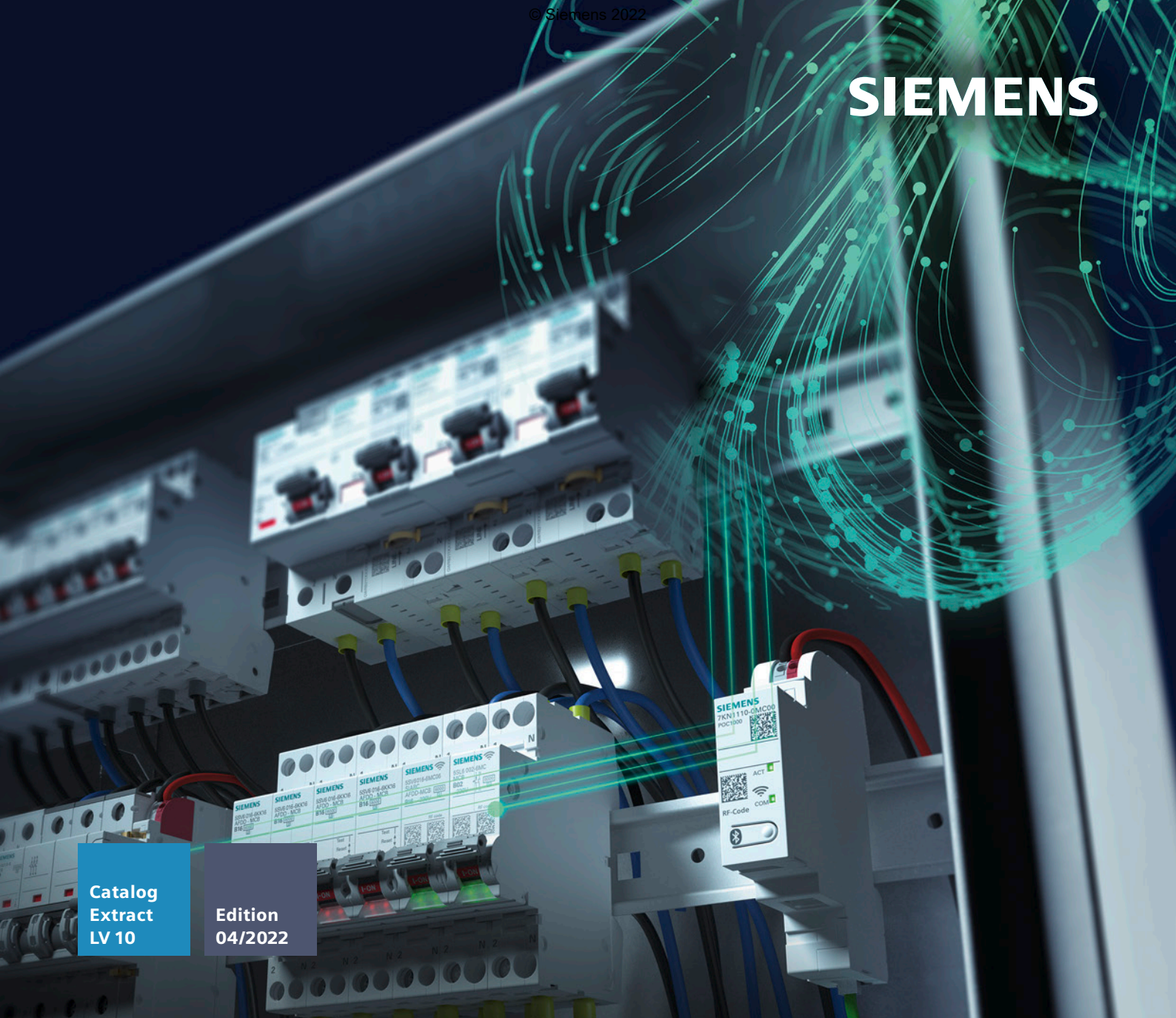
© Siemens 2022

SIEMENS



Catalog Extract LV 10

Edition 04/2022

SENTRON • SIVACON • ALPHA

Low-Voltage Power Distribution and Electrical Installation Technology

Transfer Switching Equipment and Load Transfer Switches

siemens.com/lowvoltage

© Siemens 2022

Innovative solutions for industrial controls and power distribution

In ensuring smooth operation of digital production environments and in the construction and operation of industrial or commercial buildings, the underlying power distribution and industrial controls are decisive:

SIRIUS, SENTRON, SIVACON and ALPHA provide a broad portfolio of systems and components for this purpose that can be used for standard-compliant, requirement-based electrification.

Efficient engineering tools and cloud-based solutions are part of the portfolio, which you can flexibly adapt to your specific requirements over the entire value-added process.



We are there when you need us

Your personal contact can be found at
www.siemens.de/lowvoltage/kontakt

Catalog LV 10 · 04/2022

You will find the latest edition and all future editions in the Siemens Industry Online Support at
www.siemens.com/lowvoltage/catalogs

Refer to the Industry Mall for current prices
www.siemens.de/lowvoltage/mall

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.

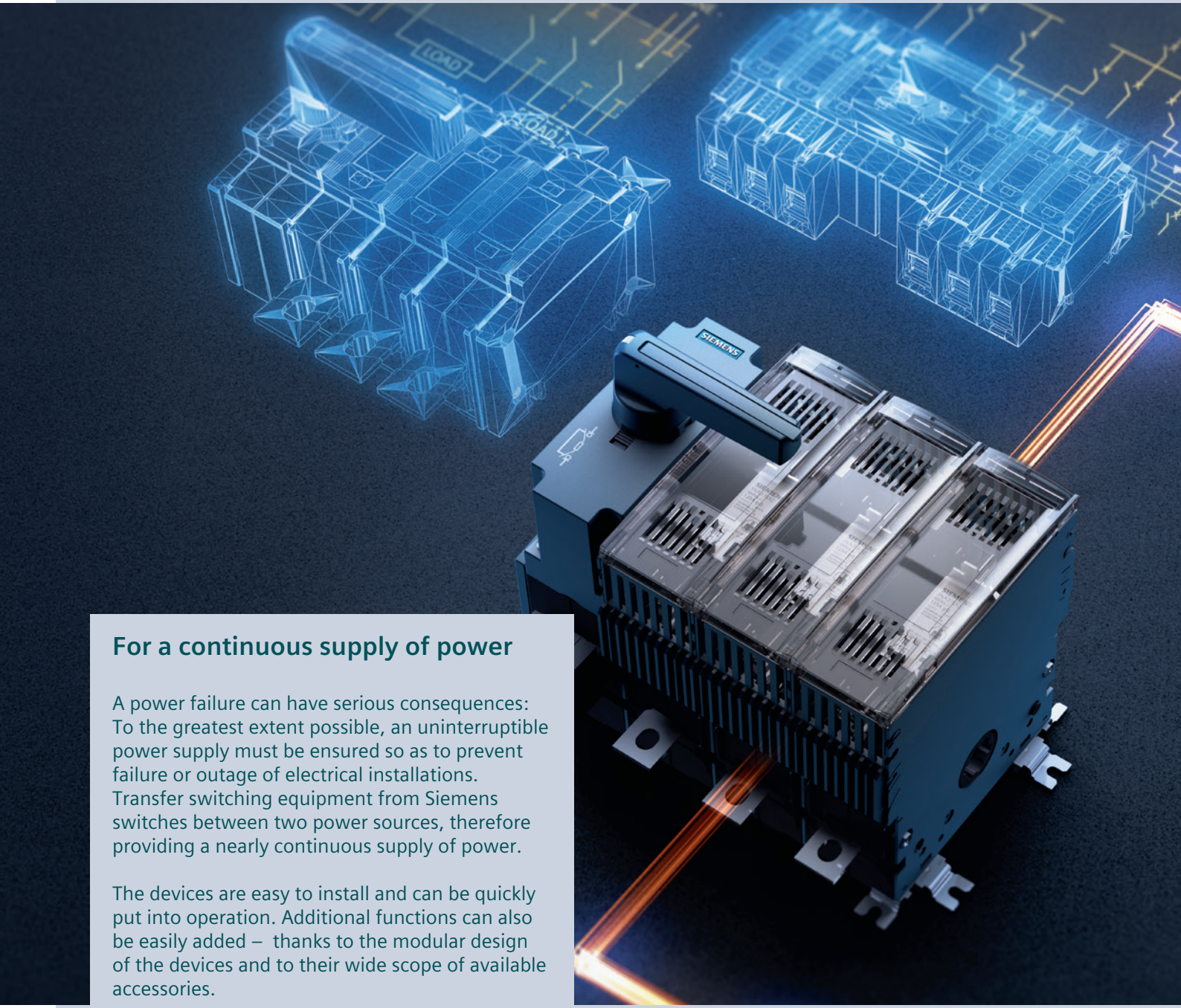
© Siemens 2022

© Siemens 2022

Low-Voltage Power Distribution and Electrical Installation Technology

	Introduction	I/2
Protecting	Air Circuit Breakers	1/1
	Molded Case Circuit Breakers	2/1
	Miniature Circuit Breakers	3/1
	Residual Current Protective Devices/Arc Fault Detection Devices (AFDDs)	4/1
	Switching Devices	5/1
	Overvoltage Protection Devices	6/1
	Fuse Systems	7/1
Protecting, Switching and Isolating	Switch Disconnectors	8/1
Switching and Isolating	Transfer Switching Equipment and Load Transfer Switches	9/1
Measuring and Monitoring	Measuring Devices, Power Monitoring and Digitalization Solutions	10/1
	Monitoring Devices	11/1
Distribution	Transformers, Power Supply Units and Socket Outlets	12/1
	Busbar Systems	13/1
	Terminal Blocks	14/1
	Power Distribution Boards, Motor Control Centers and Distribution Boards	15/1
	Busbar Trunking Systems	16/1
	System Cubicles, System Lighting and System Air-Conditioning	17/1
	Appendix	A/1

© Siemens 2022



For a continuous supply of power

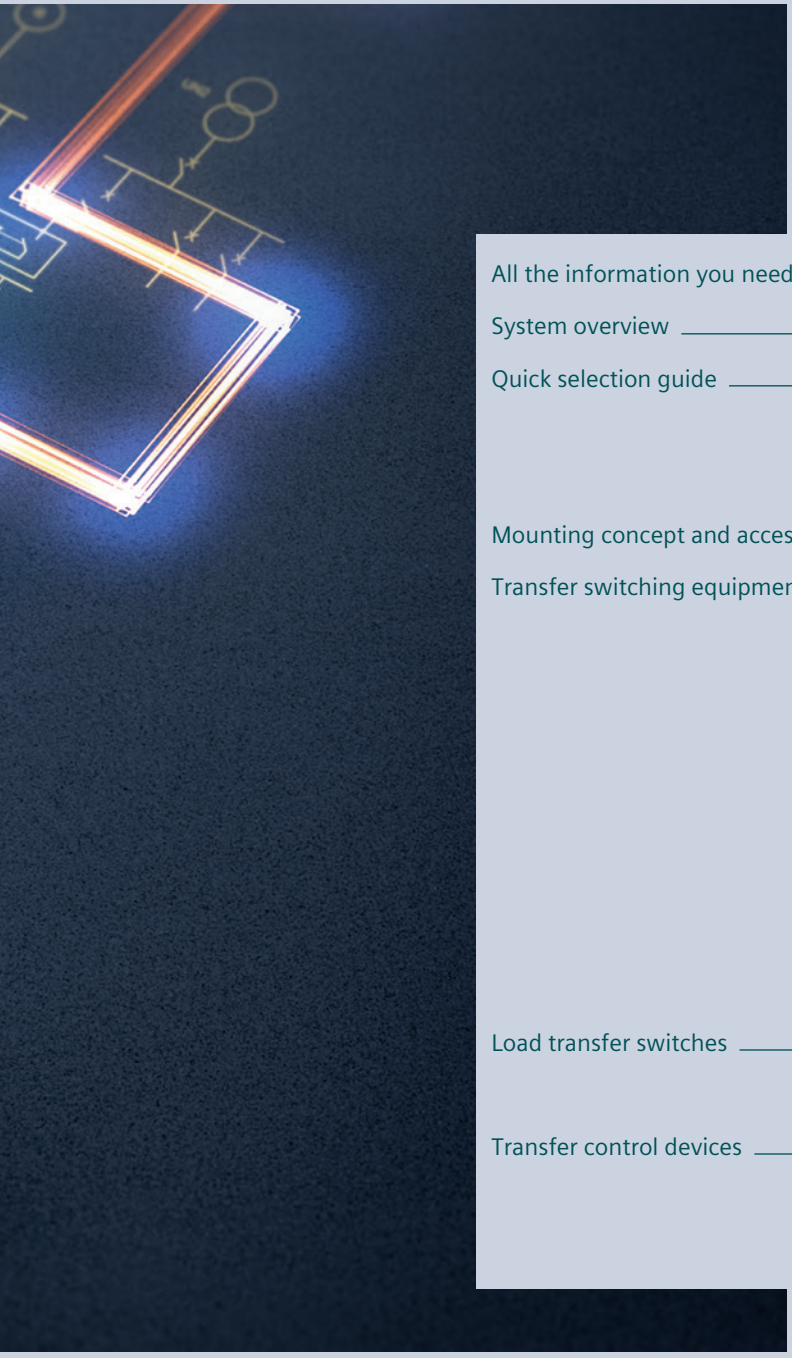
A power failure can have serious consequences: To the greatest extent possible, an uninterruptible power supply must be ensured so as to prevent failure or outage of electrical installations. Transfer switching equipment from Siemens switches between two power sources, therefore providing a nearly continuous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

© Siemens 2022

Transfer Switching Equipment and Load Transfer Switches



All the information you need 9/2

System overview 9/4

Quick selection guide 9/6

- Applications 9/6
- Transfer switching equipment and load transfer switches 9/8

Mounting concept and accessories 9/12

Transfer switching equipment 9/16

- 3KC3 and 3KC4 remote transfer switching equipment (RTSE) 9/16
- 3KC6 and 3KC8 automatic transfer switching equipment (ATSE) 9/17
- Accessories for remote transfer switching equipment (RTSE) and automatic transfer switching equipment (ATSE) 9/18
- 3KC0 manual transfer switching equipment (MTSE) 9/24
- Accessories for manual transfer switching equipment (MTSE) 9/26

Load transfer switches 9/30

- 3LD2 load transfer switches 9/30

Transfer control devices 9/32

- 3KC ATC transfer control devices 9/32
- Accessories for transfer control devices 9/34

© Siemens 2022

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/2XBonIi**

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 by 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)**

9

The fast track to the experts

Contact persons in your region

We offer a comprehensive portfolio of services.
You can find your local contacts at **www.siemens.com/lowvoltage/components/contact**

You can find further information on services at **www.siemens.com/service-catalog**

Competent expert advice on technical questions with a wide range of demand-optimized services for all our products and systems.

Assistance with technical queries is provided at **www.siemens.com/support-request**

... can be found in our online services

Commissioning + operation

Your product in detail

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

- Operating instructions
- Certificates

Comprehensive mobile support via the Siemens Industry Online Support app available for download from the **App Store** and **Play Store**
You will find further information under:
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

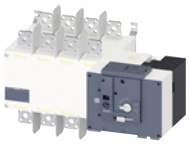
www.siemens.com/lowvoltage/product-support (109764946)

© Siemens 2022

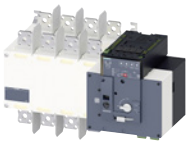
System overview

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

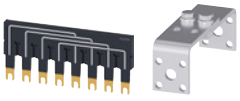

3KC3 (RTSE), 4-pole


3KC4 (RTSE), 3 and 4-pole

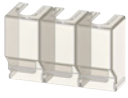

3KC6 (ATSE), 4-pole


3KC8 (ATSE), 3 and 4-pole

Accessories, RTSE and ATSE

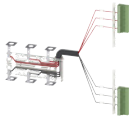

Bridging bars


Auxiliary switches


Terminal covers


Autotransformers


Dual power supply

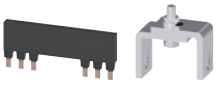

Power supply and voltage sensing cables

Manual transfer switching equipment (MTSE)



3KC0 (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.

© Siemens 2022

Load transfer switches



Front mounting 3LD2



Floor mounting 3LD2



Molded-plastic enclosures 3LD2

Accessories



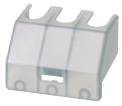
4th contact element



N/PE terminal



Auxiliary switches



Terminal covers

Transfer control devices



3KC ATC3100



3KC ATC6300



3KC ATC6500

Accessories



Expansion modules



Front interface



Protective seal

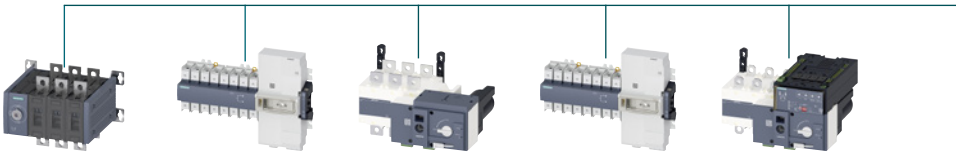
Note:
You will find a detailed range of accessories in the Accessories section.

9

© Siemens 2022

Applications

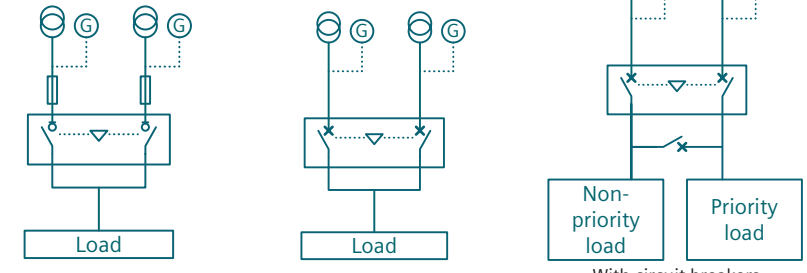
Switching with switch disconnectors (without protection function)



			3KC0	3KC3	3KC4	3KC6	3KC8
Transfer types	Load transfer	AC	■	■	■	–	–
		DC	–	–	■	–	–
	Transfer control	AC	■	■	■	■	■
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			–	–	–	–	–
More information			From page 9/24 onwards	From page 9/17 onwards	From page 9/17 onwards	From page 9/17 onwards	From page 9/17 onwards

[1] Manual load transfer switch, not an MTSE

Transfer control

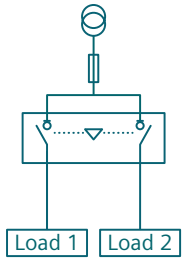


With switch disconnectors

With circuit breakers

With circuit breakers and automatic load shedding

Load transfer



With switch disconnectors

System overview, page 9/4

© Siemens 2022

Switching with circuit breakers (with protection function)

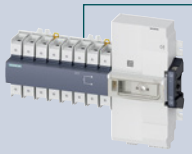
			
3LD2	3KC ATC3100 (+ 3VA/3WA/3WL)	3KC ATC6300 (+ 3VA/3WA/3WL)	3KC ATC6500 (+ 3VA/3WA/3WL)
■	–	–	–
–	–	–	–
–	■	■	■
■ [1)]	–	–	–
–	■	■	■
–	■	■	■
–	■	■	■
–	■	■	■
–	–	■	■
25 ... 250 A	3VA: 16 ... 630 A, 3WA/3WL: 630 ... 6300 A	3VA: 16 ... 630 A, 3WA/3WL: 630 ... 6300 A	3VA: 16 ... 1600 A, 3WA/3WL: 630 ... 6300 A
3 and 4	3 and 4	3 and 4	3 and 4
–	–	■	■
–	–	–	■
From page 9/30 onwards	**From page 9/32 onwards**	**From page 9/32 onwards**	**From page 9/32 onwards**

System overview, page 9/4

© Siemens 2022

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								
Operating voltage at 50/60 Hz AC acc. to IEC 60947-6-1		V	415					
Operating voltage at 50/60 Hz AC 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 network 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	–					
More information								
			From page 9/17 onwards					

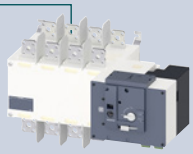
[1] For 3LD2 at 380 ... 440 V [2] For 3LD2 at 660 ... 690 V

9

System overview, page 9/4

© Siemens 2022

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



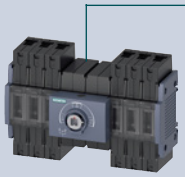
3KC4.38 3KC8.38	3KC4.42 3KC8.42	3KC4.46 3KC8.46	3KC4.48 3KC8.48	3KC4.50 3KC8.50	3KC4.52 3KC8.52	3KC4.54 3KC8.54	3KC4.56 3KC8.56	3KC4.58 3KC8.58	3KC4.60 3KC8.60
250 A	**400 A**	**630 A**	**800 A**	**1000 A**	**1250 A**	**1600 A**	**2000 A**	**2500 A**	**3200 A**
Flat terminal									
I – O – II									
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									
–									
–									
–									
–									
From page 9/17 onwards									

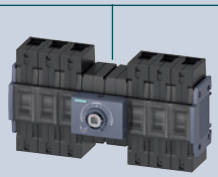
System overview, page 9/4

© Siemens 2022

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									
Operating voltage at 50/60 Hz AC in acc. to IEC 60947-6-1		V	415			415			
Operating 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 network 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	–			–			
More information									
			From page 9/24 onwards			From page 9/24 onwards			

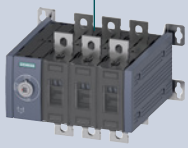
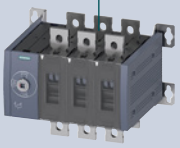
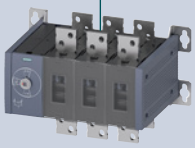
[1] For 3LD2 at 380 ... 440 V [2] For 3LD2 at 660 ... 690 V

9

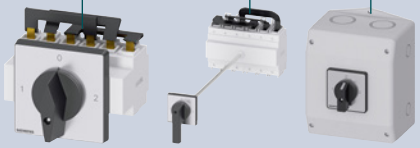
System overview, page 9/4

© Siemens 2022

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				Box terminal	
I–O–II				I–O–II			I–O–II			I–O–II				I–O–II	
3 and 4				3 and 4			3 and 4			3				3 and 4	
3				4			5			–				–	
415				415			415			–				–	
690				690			690			690				690	
12				12			12			6				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	600	600
–				–			–			20	30	60	100	160	250
–				–			–			10	20 (15) [3]	40	60	75	100
–				–			–			15	30 (20) [3]	50	75	75	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.

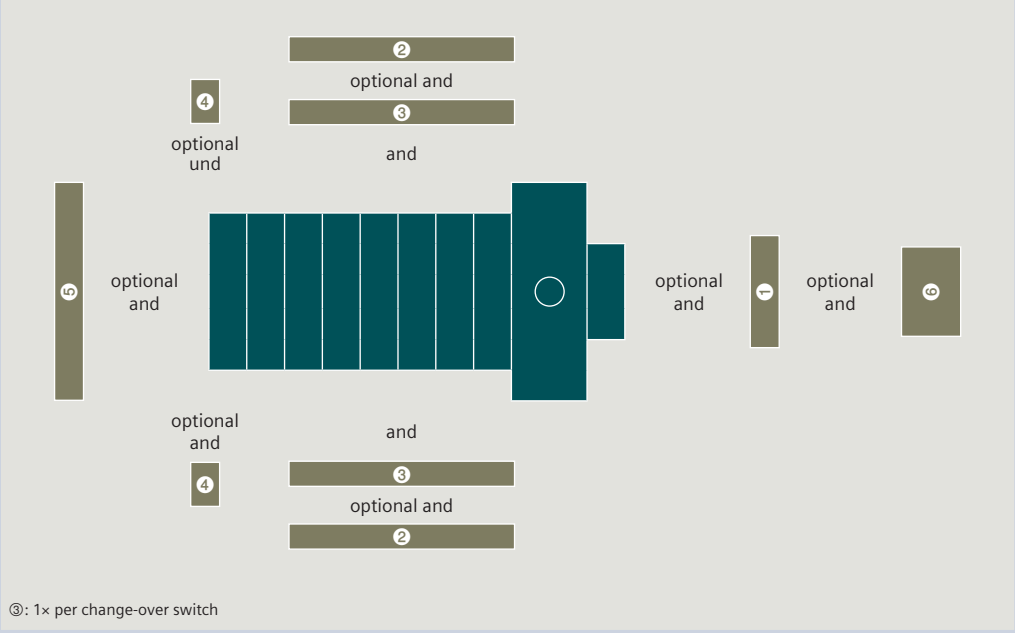
9

System overview, page 9/4

© Siemens 2022

Mounting concept and accessories

3KC3 (RTSE) 4-pole

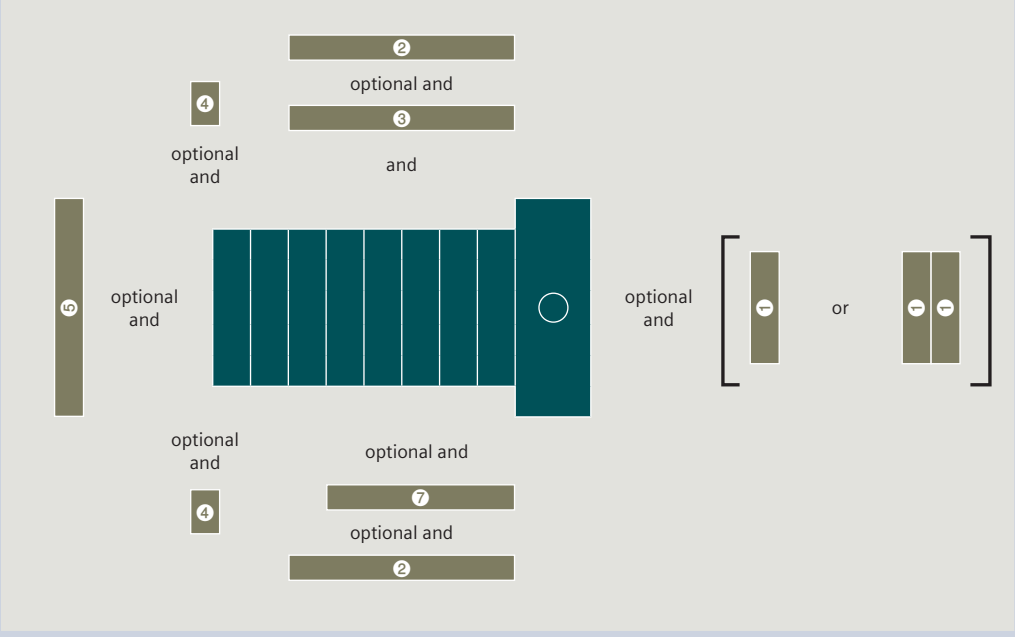


③: 1× per change-over switch

Legend

① Auxiliary switch
② Terminal cover
③ Bridging bar
④ Aux. conductor terminal
⑤ Autotransformer
⑥ Dual power supply

3KC6 (ATSE), 4-pole



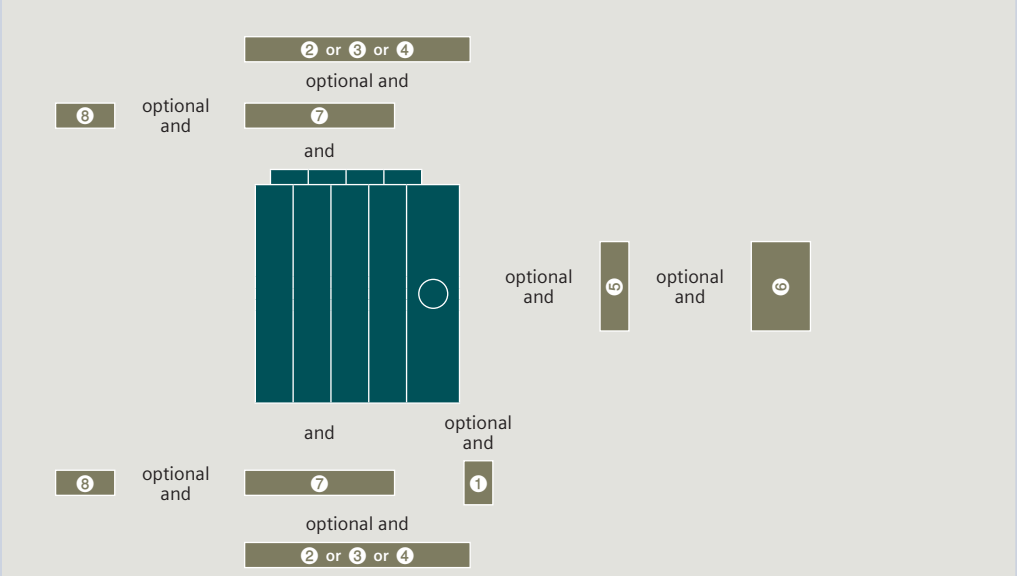
Legend

① Auxiliary switch
② Terminal cover
③ Bridging bar
④ Aux. conductor terminal
⑤ Autotransformer
⑥ Dual power supply
⑦ Sealable cover

System overview, page 9/4

© Siemens 2022

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



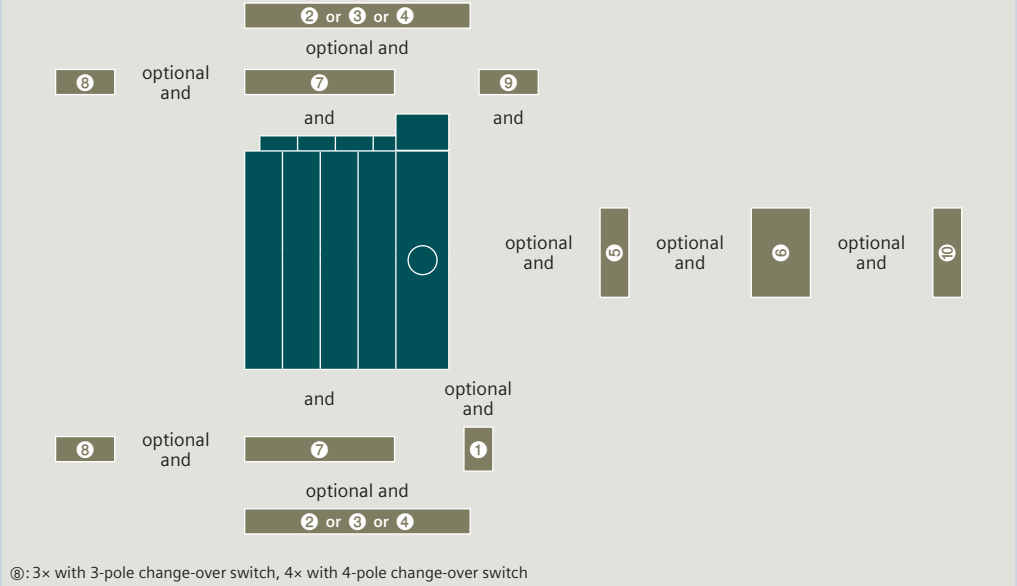
⑧: 3× with 3-pole change-over switch, 4× with 4-pole change-over switch

Legend

① Auxiliary switch
② Phase barrier
③ Terminal cover
④ Terminal plate
⑤ Autotransformer
⑥ Dual power supply
⑦ Bridging bar
⑧ Copper bar connection kit

9

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



⑧: 3× with 3-pole change-over switch, 4× with 4-pole change-over switch

Legend

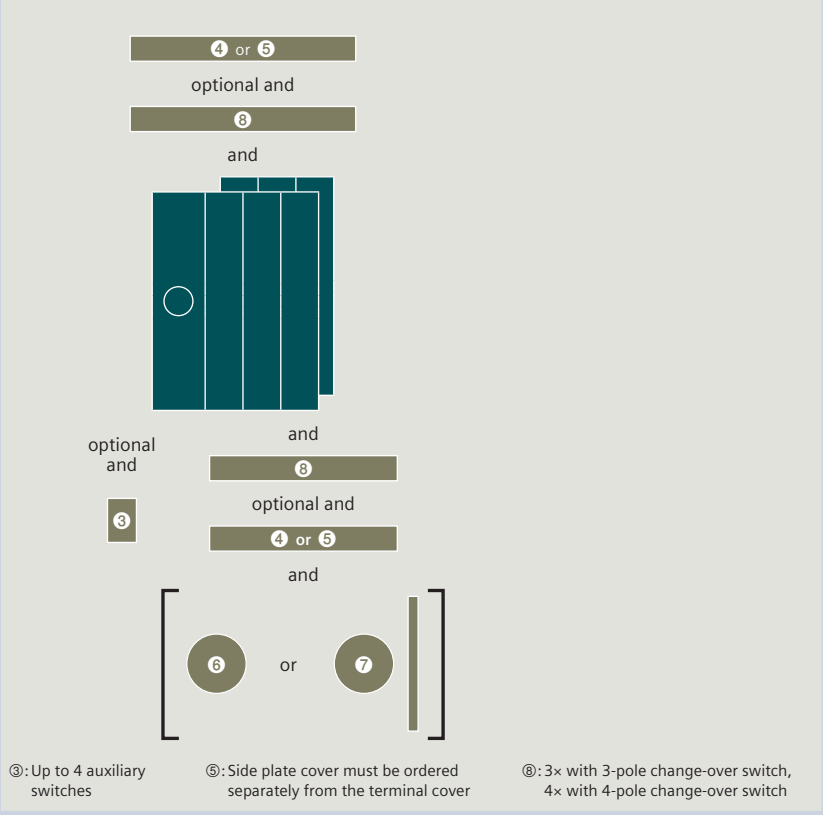
① Auxiliary switch
② Phase barrier
③ Terminal cover
④ Terminal plate
⑤ Autotransformer
⑥ Dual power supply
⑦ Bridging bar
⑧ Copper bar connection kit
⑨ Power supply cable
⑩ External display

System overview, page 9/4

© Siemens 2022

Mounting concept and accessories

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

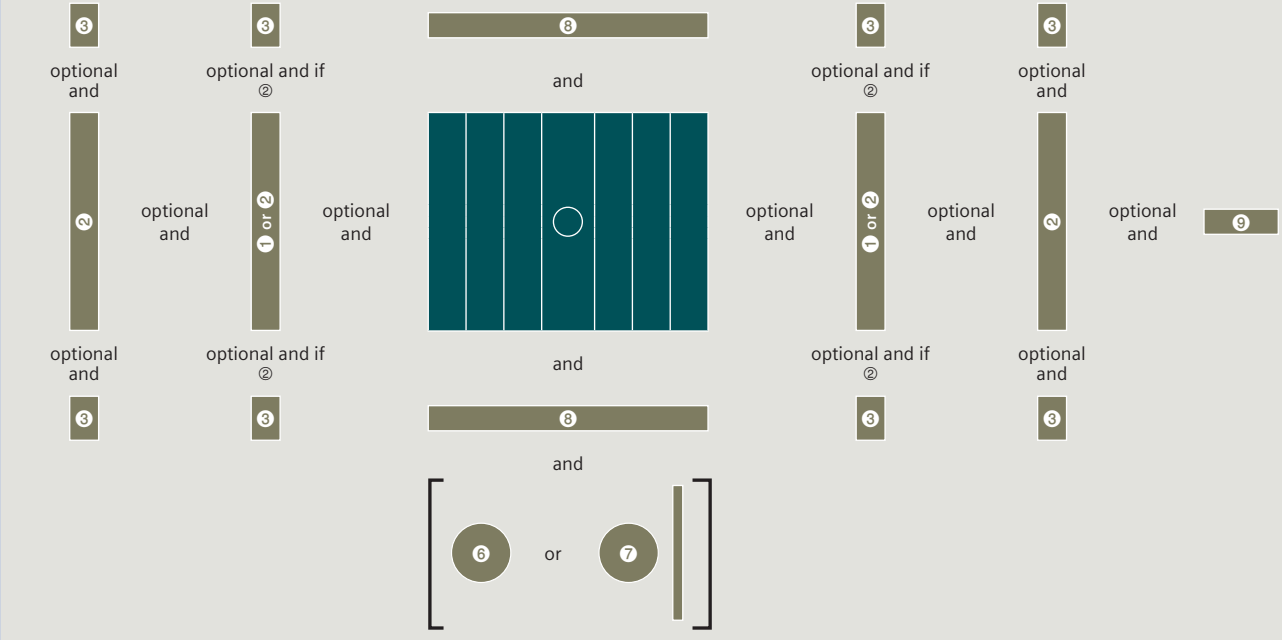


③: Up to 4 auxiliary switches

⑤: Side plate cover must be ordered separately from the terminal cover

⑧: 3× with 3-pole change-over switch, 4× with 4-pole change-over switch

Legend
- ③ Auxiliary switch
- ④ Phase barrier
- ⑤ Side plate cover and terminal cover
- ⑥ Direct operating mechanism
- ⑦ Door-coupling rotary operating mechanism
- ⑧ Bridging bar



①: For 3-pole 3K only

②: Max. 1× for each side of the switch
②: Requires at least 1× auxiliary switch (③)

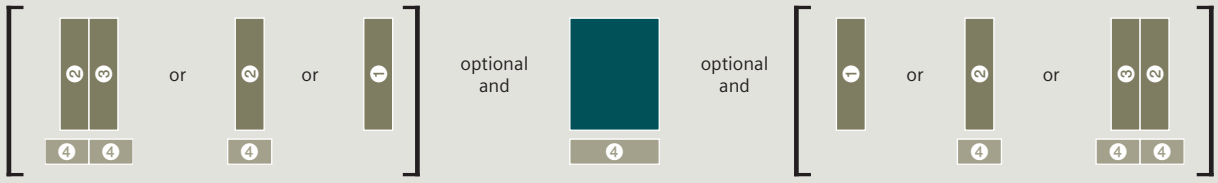
⑧: Only 1× per change-over switch

Legend
- ① 4th contact element
- ② Auxiliary switch module, standard version
- ③ Auxiliary switch
- ⑥ Direct operating mechanism
- ⑦ Door-coupling rotary operating mechanism
- ⑧ Bridging bar
- ⑨ Assembly kit for floor mounting

System overview, page 9/4

© Siemens 2022

3LD2 load transfer switch mounting concept



③: N switching contact must first be installed on the basic unit

Legend

① Auxiliary switch
② N/PE terminal
③ N switching contact
④ Terminal cover

9

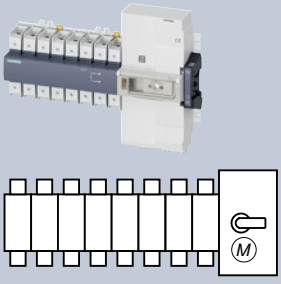
System overview, page 9/4

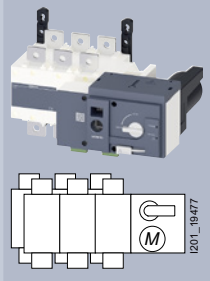
© Siemens 2022

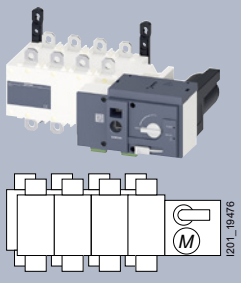
3KC3 and 3KC4 remote transfer switching equipment (RTSE)

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	







Rated uninterrupted current I_u	4-pole	3-pole	4-pole
Box terminal			
40 A	3KC3424-2AA22-0AA3	–	–
63 A	3KC3426-2AA22-0AA3	–	–
80 A	3KC3428-2AA22-0AA3	–	–
100 A	3KC3430-2AA22-0AA3	–	–
125 A	3KC3432-2AA22-0AA3	–	–
160 A	3KC3434-2AA22-0AA3	–	–
Flat terminal			
250 A	–	3KC4338-0CA21-0AA3	3KC4438-0CA21-0AA3
400 A	–	3KC4342-0DA21-0AA3	3KC4442-0DA21-0AA3
630 A	–	3KC4346-0EA21-0AA3	3KC4446-0EA21-0AA3
800 A	–	3KC4348-0FA21-0AA3	3KC4448-0FA21-0AA3
1000 A	–	3KC4350-0FA21-0AA3	3KC4450-0FA21-0AA3
1250 A	–	3KC4352-0GA21-0AA3	3KC4452-0GA21-0AA3
1600 A	–	3KC4354-0HA21-0AA3	3KC4454-0HA21-0AA3
2000 A	–	3KC4356-0JA21-0AA3	3KC4456-0JA21-0AA3
2500 A	–	3KC4358-0JA21-0AA3	3KC4458-0JA21-0AA3
3200 A	–	3KC4360-0JA21-0AA3	3KC4460-0JA21-0AA3

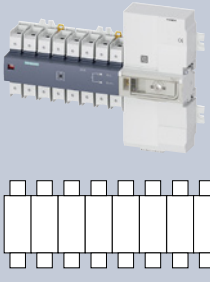
Quick selection guide, page 9/8

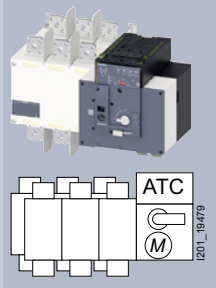
© Siemens 2022

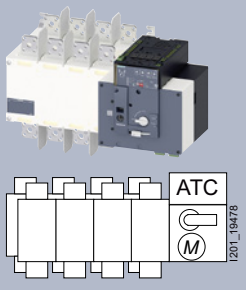
3KC6 and 3KC8 automatic transfer switching equipment (ATSE)

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

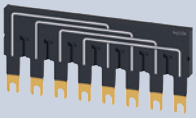
Quick selection guide, page 9/8

© Siemens 2022

Accessories

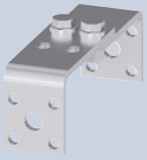
For remote transfer switching equipment (RTSE) and automatic transfer switching equipment (ATSE)

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.	RTSE	ATSE
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	■	■

Auxiliary conductor terminal



Version	Scope of supply	Article No.	RTSE	ATSE
For 40 ... 160 A	2 units	3KC9622-2	■	■

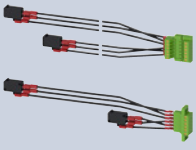
Auxiliary switches for 40 ... 160 A



- 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.	RTSE	ATSE
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)

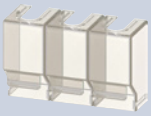
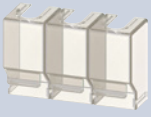
Version	Article No.	RTSE	ATSE
For 250 ... 630 A	3KC9803-1	■	■
For 800 ... 1600 A	3KC9803-2	■	■
For 2000 ... 2500 A (included in the basic unit)	–	■	■

9

System overview, page 9/4

© Siemens 2022

Terminal covers

	Version	Number of poles	Scope of supply	Article No.	RTSE	ATSE
	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.	RTSE	ATSE
	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	–	■

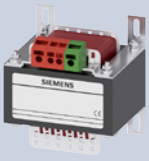
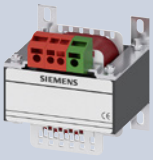
Sealing ribbon



- Also as spare part for sealable cover

Version	Scope of supply	Article No.	RTSE	ATSE
For 40 ... 3200 A	10 units	3KC9621-2	–	■

Autotransformers

	Version	Technical specifications	Article No.	RTSE	ATSE
	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	■	■

9

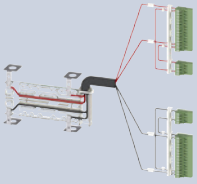
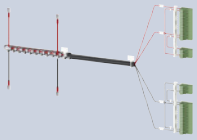
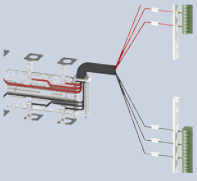
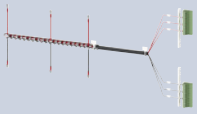
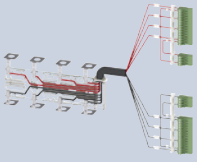
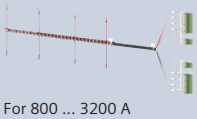
System overview, page 9/4

© Siemens 2022

Accessories

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

Power supply and voltage sensing cables for ATSE

	Application	Infeed	Switches	Version	Article No.	RTSE	ATSE
 For 250 ... 630 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	–	■
 For 800 ... 3200 A		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	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	–	■
 For 800 ... 3200 A		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	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	–	■
 For 800 ... 3200 A		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	–	■

9

System overview, page 9/4

© Siemens 2022

Dual power supply



Version	Technical specifications	Article No.	RTSE	ATSE
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.	RTSE	ATSE
For 3KC8 (ATSE) 250 ... 3200 A	3KC9823-0	–	■

Connection cable



- 3 m RJ45 cable for external display

Version	Article No.	RTSE	ATSE
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.	RTSE	ATSE
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.	RTSE	ATSE
250 ... 630 A	3KC9820-4	–	■
800 ... 3200 A	3KC9820-5	–	■

9

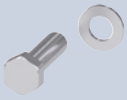
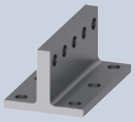
System overview, page 9/4

© Siemens 2022

Accessories

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

Copper bar connection kit

	Version	Designation	Scope of supply	Article No.	RTSE	ATSE
	For 2000 ... 2500A	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	■	■

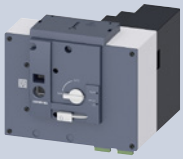
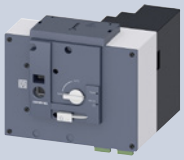
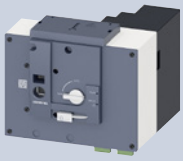
Terminal plates

- For protecting the front side at the upper and lower connecting terminals

	Version	Number of poles	Article No.	RTSE	ATSE
	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	■	■

System overview, page 9/4

© Siemens 2022

			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	■	■

9

Copper bar connection kit

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

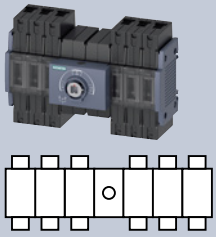
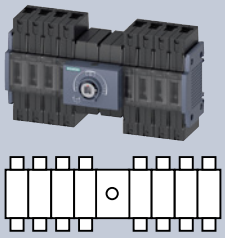
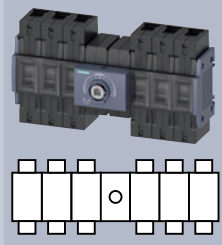
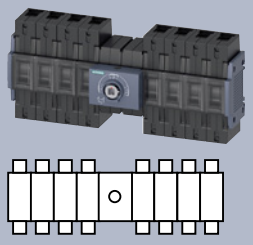



System overview, page 9/4

© Siemens 2022

3KC0 manual transfer switching equipment (MTSE)

16 to 1600 A

	Box terminal			
	Size 1		Size 2	
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	
				

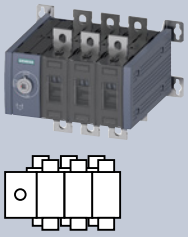
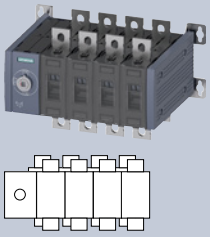
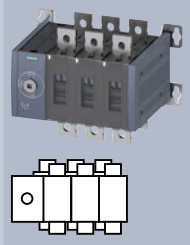
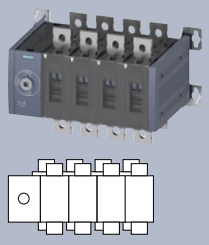
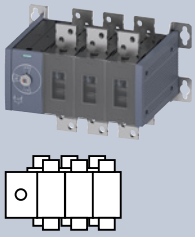
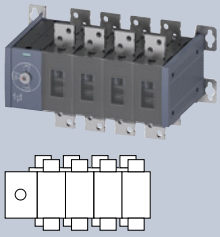
Rated uninterrupted current I_u	3-pole	4-pole	3-pole	4-pole
Box terminal				
16 A	3KC0316-2ME00-0AA0	3KC0416-2ME00-0AA0	–	–
32 A	3KC0322-2ME00-0AA0	3KC0422-2ME00-0AA0	–	–
63 A	3KC0326-2ME00-0AA0	3KC0426-2ME00-0AA0	–	–
80 A	–	–	3KC0328-2NE00-0AA0	3KC0428-2NE00-0AA0
100 A	–	–	3KC0330-2NE00-0AA0	3KC0430-2NE00-0AA0
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

9

Quick selection guide, page 9/10

© Siemens 2022

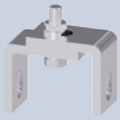
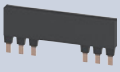
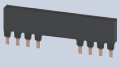
Flat terminal					
Size 3		**Size 4**		**Size 5**	
Basic unit without handle		Basic unit without handle		Basic unit without handle	
Front operating mechanism		Front operating mechanism		Front operating mechanism	
Floor mounting		Floor mounting		Floor mounting	
Additionally required for connection side		Additionally required for connection side		Additionally required for connection side	
					
3-pole	**4-pole**	**3-pole**	**4-pole**	**3-pole**	**4-pole**
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
3KC0336-0PE00-0AA0	3KC0436-0PE00-0AA0	–	–	–	–
3KC0338-0PE00-0AA0	3KC0438-0PE00-0AA0	–	–	–	–
3KC0340-0PE00-0AA0	3KC0440-0PE00-0AA0	–	–	–	–
3KC0342-0PE00-0AA0	3KC0442-0PE00-0AA0	–	–	–	–
–	–	3KC0344-0QE00-0AA0	3KC0444-0QE00-0AA0	–	–
–	–	3KC0346-0QE00-0AA0	3KC0446-0QE00-0AA0	–	–
–	–	3KC0348-0QE00-0AA0	3KC0448-0QE00-0AA0	–	–
–	–	–	–	3KC0350-0RE00-0AA0	3KC0450-0RE00-0AA0
–	–	–	–	3KC0352-0RE00-0AA0	3KC0452-0RE00-0AA0
–	–	–	–	3KC0354-0RE00-0AA0	3KC0454-0RE00-0AA0

Quick selection guide, page 9/10

© Siemens 2022

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.**					
	N — N		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-type 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		■			

9

System overview, page 9/4

© Siemens 2022

				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					■

9

System overview, page 9/4

© Siemens 2022

Accessories

For manual transfer switching equipment (MTSE)

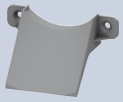
Extension shaft for door-coupling rotary operating mechanism, 8UD1 series



- 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.	Size 1	Size 2	Size 3	Size 4	Size 5
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 handle 8UD1 for shaft, 600 mm



Shaft	Article No.	Size 1	Size 2	Size 3	Size 4	Size 5
8 × 8 mm	8UD1900-0FA00	■	■			

Coupling drivers

Type	Shaft	Article No.	Size 1	Size 2	Size 3	Size 4	Size 5
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.	Size 1	Size 2	Size 3	Size 4	Size 5
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.	Size 1	Size 2	Size 3	Size 4	Size 5
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					■

9

System overview, page 9/4

© Siemens 2022

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 plates for terminal covers are required for the terminal side, where bridging bars are used (normally the lead side)





Length	Number of poles, switch	Scope of supply	Article No.	Size 1	Size 2	Size 3	Size 4	Size 5
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.	Size 1	Size 2	Size 3	Size 4	Size 5
Standard length	1 unit	3KD9504-1					■
Short version	1 unit	3KD9304-1			■		
		3KD9404-1				■	

Side plates



- 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.	Size 1	Size 2	Size 3	Size 4	Size 5
Standard length	2 units	3KC9304-0			■		
		3KC9404-0				■	
		3KC9504-0					■

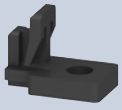
Assembly kit for floor mounting



- 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.	Size 1	Size 2	Size 3	Size 4	Size 5
3KC9120-1	■	■			

Mounting bracket as spare part



- Spare part, included in the scope of supply of the assembly kit for 3-pole and 4-pole devices

Scope of supply	Article No.	Size 1	Size 2	Size 3	Size 4	Size 5
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.	Size 1	Size 2	Size 3	Size 4	Size 5
5 units	3KF9112-0BA00	■	■			

9

System overview, page 9/4

© Siemens 2022

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 shackle 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

9

Accessories



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.	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD23 (160 A)	3LD24 (250 A)
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.	3LD21 (25 A)	3LD22 (32 A)	3LD25 (63 A)	3LD27 (100 A)	3LD23 (160 A)	3LD24 (250 A)
Front mounting	3LD9220-2B	■	■				
	3LD9250-2BA			■			
	3LD9280-2B				■		
	3LD9240-2B					■	■
Floor mounting	3LD9240-2C					■	■

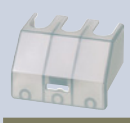
[1] Can only be used as a spare part, as no additional poles can be installed in the enclosure.

Quick selection guide, page 9/10

© Siemens 2022

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	–

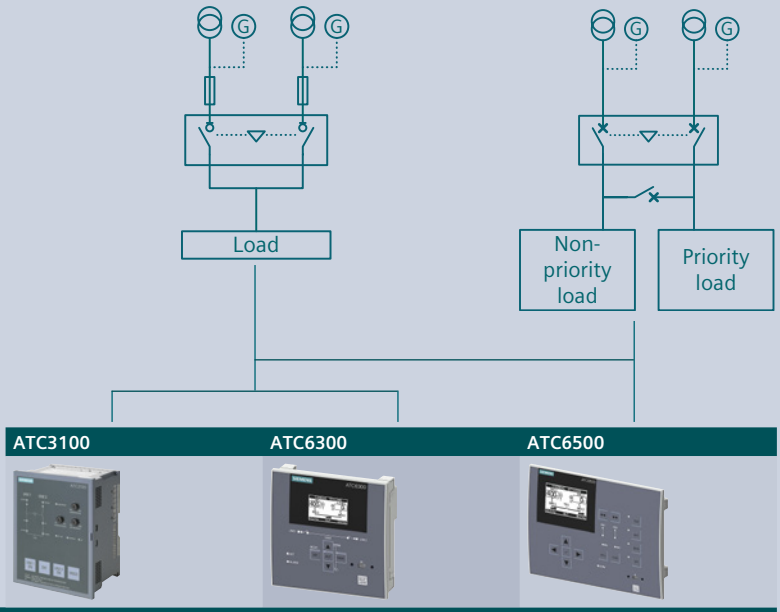
9

				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								
	Number of poles		**Scope of supply**	**Article No.**					
	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				■	■

Quick selection guide, page 9/10

© Siemens 2022

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

9

System overview, page 9/4

© Siemens 2022

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 mm²	0.2 ... 2.5 mm²	
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	

System overview, page 9/4

© Siemens 2022

Accessories for transfer control devices

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 communication 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

System overview, page 9/4

© Siemens 2022

System overview, page 9/4

© Siemens 2022



© Siemens 2022

Appendix



Conditions of sale and delivery A/2

Link directory A/4

© Siemens 2022

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

© Siemens 2022

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.

Export may be subject to license. We shall indicate in the delivery details whether licenses are required under German, European and US export lists.

Our products are controlled by the U.S. Government (when labeled with „ECCN" unequal „N") and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations. Products labeled with „AL" unequal „N" are subject to European/national export authorization.

The export indications can be viewed in advance in the description of the respective goods on the Industry Mall, our online catalog system. Only the export labels „AL" and „ECCN" indicated on order confirmations, delivery notes and invoices are authoritative.

Products without label, with label „AL:N"/„ECCN:N", or label „AL:9X9999"/„ECCN: 9X9999" may require authorization from responsible authorities depending on the final end-use, or the destination.

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.

You acknowledge that under the EU embargo regulations against Iran, Syria and Russia respectively the sale of certain listed goods and related services is subject to authorization by the competent export control authorities of the European Union. If (1) the goods or services ordered by you are destined for Iran, Syria or Russia, and (2) the contract for our supplies and/or services is subject to prior authorization of the competent export control authorities of the European Union, the contract between you and us shall come into force in this respect only upon granting of such authorization.

The products listed in this catalog may be subject to European/German and/or US export regulations. Any export requiring approval is therefore subject to authorization by the relevant authorities. Errors excepted and subject to change without prior notice.

© Siemens 2022

Link directory

Catalog LV 10

General information

Information on low-voltage power distribution and electrical installation technology	www.siemens.com/lowvoltage
Tender specifications	www.siemens.com/lowvoltage/tenderspecifications
Conversion tool	www.siemens.com/conversion-tool
Image database	www.siemens.com/lowvoltage/picturedb
CAx download manager	www.siemens.com/cax
Newsletter system	www.siemens.com/lowvoltage/newsletter
Siemens YouTube channel	www.youtube.com/Siemens
Catalogue LV 10	www.siemens.com/lv10
Catalogue LV 18	www.siemens.com/lv18
Brochures/catalogs	www.siemens.com/lowvoltage/catalogs
Operating instructions/manuals	www.siemens.com/lowvoltage/manuals
Siemens Industry Online Support (SIOS)	www.siemens.com/lowvoltage/product-support
Siemens Industry Online Support app	www.siemens.com/support-app
My Documentation Manager (MDM)	www.siemens.com/lowvoltage/mdm
Configurators	www.siemens.com/lowvoltage/configurators
Siemens Industry Mall – product catalog and online ordering system	www.siemens.com/lowvoltage/mall
Direct forwarding to the Industry Mall	www.siemens.com/product?Article No.
Training	www.siemens.com/sitrain-lowvoltage
Local contacts	www.siemens.com/lowvoltage/contact www.siemens.com/lowvoltage/components/contact www.siemens.com/lowvoltage/systems/contact www.siemens.com/lowvoltage/software/contact
Technical Support	www.siemens.com/support-request
Information on services	www.siemens.com/service-catalog
Manual for the generation, transmission and distribution of electrical energy	www.siemens.com/power-engineering-guide
Control panels for the North American market	www.siemens.com/northamerican-standards
Control panel building	www.siemens.com/controlpanel
Energy savings and amortization	www.automation.siemens.com/sinasave
SIMATIC Energy Suite	www.siemens.com/energysuite
SITOP power supplies	www.siemens.com/sitop
Power distribution with Totally Integrated Power	www.siemens.com/tip

© Siemens 2022

Catalogs and further information



LV 10
Low-Voltage Power Distribution and Electrical Installation Technology
SENTRON • SIVACON • ALPHA

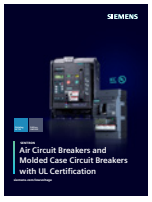
Protection, Switching, Measuring and Monitoring Devices, Switchboards and Distribution Systems

PDF (E86060-K8280-A101-B5-7600)



ET D1
Switches and Socket Outlets
DELTA

PDF



LV 18
Air Circuit Breakers and Molded Case Circuit Breakers with UL Certification
SENTRON

PDF (E86060-K8280-E347-A9-7600)



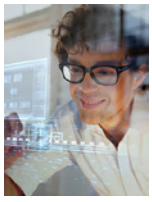
Industry Mall
Information and Ordering Platform on the Internet:

www.siemens.com/industrymall



IC 10
Industrial Controls
SIRIUS

PDF (E86060-K1010-A101-B3-7600)



SITRAIN
Digital Industry Academy

www.siemens.com/sitrain

Siemens TIA Selection Tool
for the selection, configuration and ordering of TIA products and devices

www.siemens.com/tst

The catalogs listed above and additional catalogs are available in PDF format at Siemens Industry Online Support **www.siemens.com/lowvoltage/catalogs**

Further information on low-voltage power distribution and electrical installation technology is available on the Internet at **www.siemens.com/lowvoltage**

© Siemens 2022

Get more information

www.siemens.com/lowvoltage

Published by
Siemens AG

Smart Infrastructure
Electrical Products
Siemensstraße 10
93055 Regensburg, Germany

For the U.S. published by
Siemens Industry Inc.

100 Technology Drive
Alpharetta, GA 30005
United States

PDF (Catalog Extract
E86060-K8280-A101-B5-7600)
KG 0622 42 En
Produced in Germany
© Siemens 2022

Security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, systems, machines and networks.

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions constitute one element of such a concept.

Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the Internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place.

For additional information on industrial security measures that may be implemented, please visit **https://www.siemens.com/industrialsecurity** .

Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats.

To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under **https://www.siemens.com/cert** .

Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

All product designations may be trademarks or other rights of Siemens AG, its affiliated companies or other companies whose use by third parties for their own purposes could violate the rights of the respective owner.