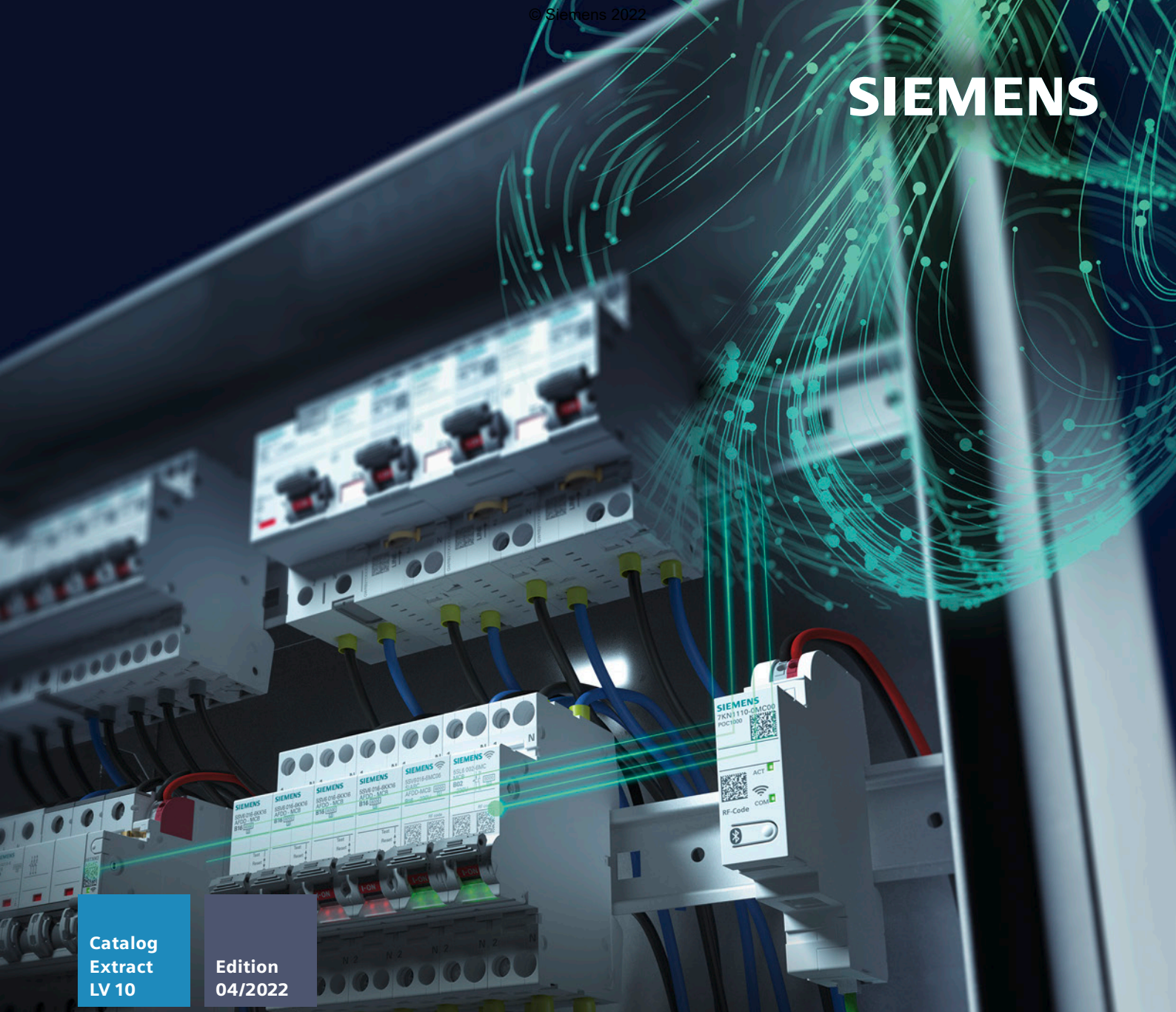
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Catalog Extract LV 10

Edition 04/2022

SENTRON • SIVACON • ALPHA

Low-Voltage Power Distribution and Electrical Installation Technology

Busbar Systems

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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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Simplified distribution board design and time-saving assembly

Simplified assembly and connection of electrical power distribution systems and devices ensures that customer requirements can be met more quickly and flexibly.

In addition, installation and plant engineers benefit from a simplified configuration and reduced space requirements in distribution systems and control cabinets.

Our busbar systems for electrical installations offer a particularly easy way of fitting distribution systems with electrotechnical components.

The modular design saves space, while quick assembly contacts ensure fast mounting.

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Busbar Systems



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A multitude of additional information ...

Information + ordering

All the important things at a glance

For information about busbar systems, please visit our website **www.siemens.com/lowvoltage**

Your product in detail

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Commissioning + operation

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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
  – Busbar systems **(81379793)**

Technical overview – Busbar systems

The fast way to get you to our online services

This page provides you with comprehensive information and links on busbar systems
www.siemens.com/lowvoltage/product-support (109769087)

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System overview

❶ Basic assemblies



Busbar supports



N/PE busbar supports

Accessories



Flat copper profiles



TT special profiles



Connection pieces



Cover profiles

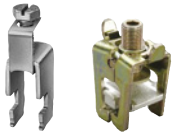


Blanking covers

❷ Infeeds and connection methods



Connection modules



Terminals

Accessories



Covers

❸ Built-in components



Bus-mounting fuse bases



Bus-mounting fuse holders



Bus-mounting switch disconnectors

Accessories



Covers



Auxiliary switches



Lateral modules

❹ Device adapters



Device adapters



Device holders

Accessories



N/PE modules



Lateral modules

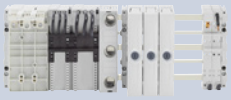


Vibration & shock kits

Note:
You will find a detailed range of accessories with the basic units.

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Quick selection guide



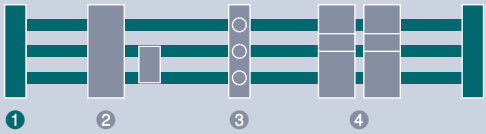


		40 mm busbar system	60 mm compact busbar system	60 mm busbar system flat copper profile	60 mm busbar system TT profile
Busbars					
Busbar center-to-center spacing		40 mm	60 mm	60 mm	60 mm
Flat copper profiles	5 mm	12 × 5 mm 15 × 5 mm	12 × 5 mm	12 × 5 mm 15 × 5 mm 20 × 5 mm 25 × 5 mm 30 × 5 mm	–
	10 mm	12 × 10 mm 15 × 10 mm	12 × 10 mm	20 × 10 mm 30 × 10 mm	–
TT special profile		–	–	–	2400 × 30 × 40 mm
Rated values					
Rated operational current I_e	IEC	200 ... 360 A	200 ... 360 A	200 ... 900 A	1020 ... 1600 A
	UL 508	–	300 A	630 A	1400 A
Rated operational voltage U_e	IEC	690 V AC	690 V AC	690 V AC	690 V AC
	UL 508	–	600 V AC	600 V AC	600 V AC
Standards					
IEC		■	■	■	■
UL 508		■	■	■	■
Connection modules and terminals for					
Circular conductors	IEC	–	Cu 1.5 ... 150 mm²	Cu 1.5 ... 300 mm² Al 95 ... 300 mm²	Cu 16 ... 300 mm²
	UL 508	–	Cu AWG 2 ... MCM 300	Cu AWG 16 ... MCM 600 Al AWG 3	Cu AWG 4 ... MCM 600
Laminated copper		–	Cu lam. 15 ... 20 × 5 ... 10 mm	Cu lam. 3 × 20 × 1 ...10 × 32 × 1 mm	Cu lam. 2 × 40 × 10 mm
Cable lugs		–	–	Max. 240 mm²	–
Built-in components for					
NEOZED bus-mounting fuse bases		–	■	■	■
DIAZED bus-mounting fuse bases		–	–	■	■
Bus-mounting fuse holders for cylindrical fuses 10 × 38 mm		–	–	■	■
Class CC bus-mounting fuse holders		–	–	■	■
Class J bus-mounting fuse holders		–	–	■	■
NEOZED bus-mounting switch disconnectors				■	■
Device adapters for					
Universal application 3P/5P		–	■/■	■/■	■/■
Molded case circuit breakers		–	■	■	■
Switch disconnectors		–	–	■	■
Fuse switch disconnectors		–	–	■	■
SIRIUS 3RM1 motor starters		–	■	–	–
SIRIUS load feeders		–	–	■	■
3RM193 fuse module		–	■	–	–
5SY miniature circuit breakers		–	■	–	–
More information					
		See page 13/6	See page 13/7	See page 13/12	See page 13/14

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❶ Basic assemblies

For 40 mm 8US busbar system up to 400 A



						Busbar supports	
					No. of poles	3P	5P
							
Flat copper profiles				**Rated operational voltage U_e**	**Standard**	**Connection**	**Connection**
12 × 5 mm	**15 × 5 mm**	**12 × 10 mm**	**15 × 10 mm**	**IEC**		**L1 – L3**	**L1 – L3 + N + PE/N**
Interior mounting							
■	■	■	■	690 V AC	IEC	8US1903-3AB00 [1]	–
■	–	■	–	690 V AC	IEC	–	8US1903-5AA00
More information							
3NP1 fuse switch disconnectors						See page 8/86	See page 8/86

[1] One package contains 2 busbar supports including inlay parts for bar thickness 5 mm and lateral finger-safe covers.

Suitable accessories

				3P	5P
Flat copper profile					
	**Surface**	**Length**	**Size**	**Article No.**	**Article No.**
	Bare	2400 mm	12 × 5 mm	8WC5123	8WC5123
			15 × 5 mm	8WC5121	–
Cover profiles for busbars					
	**Material**	**Length**	**Size**	**Article No.**	**Article No.**
	Plastic profile	1000 mm	12 × 5 mm	8US1922-2CA00	8US1922-2CA00
			15 × 5 mm	8US1922-2AA00	–

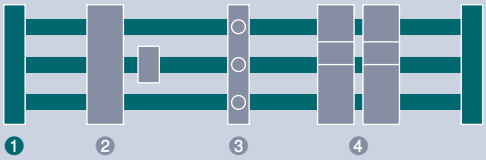
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❶ Basic assemblies

For 8US compact busbar system up to 360 A (3P) or 200 A (5P)



									Busbar supports [1]
								No. of poles	3P/5P
									
Flat copper profiles		Rated operational voltage U_e		Short-circuit current rating SCCR		Standard	Dimensions	Min. order quantity	Connection
12 × 5 mm	12 × 10 mm	IEC	UL 508	3-pole	5-pole				L1 – L3 + N + PE/N
Interior mounting									
■	■	690 V AC	–	54 kA	32 kA	IEC	12 × 160 × 45 mm	10 units	8US1923-5CA02
		–	600 V AC	18 kA	–	UL 508	12 × 160 × 45 mm	10 units	8US1923-5CA02

[1] Including end cover

Suitable accessories

Flat copper profiles



Surface	Length	Size	Article No.
Bare	2400 mm	12 × 5 mm	8WC5123

UL spacers for busbar supports



Dimensions	Minimum order quantity	Height	Article No.
12 × 160 × 18 mm	10 units	18 mm	8US1922-1CA02

Stabilizing modules

- Only for 12 × 5 mm busbars
- For protecting the N and PE busbars against bending

Dimensions	Minimum order quantity	Article No.
2 × 160 × 47 mm	10 units	8US1928-5CA02

Cover profiles



Dimensions	Minimum order quantity	Article No.
700 × 160 × 63 mm	2 units	8US1922-2CB02

Holders for 8US1922-2CB02 cover profile



Dimensions	Minimum order quantity	Article No.
5 × 156 × 55 mm	10 units	8US1922-2CA02

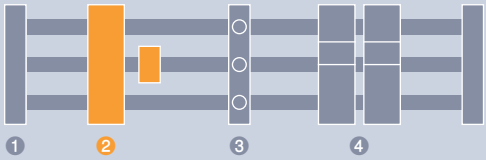
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❷ Infeeds and connection methods

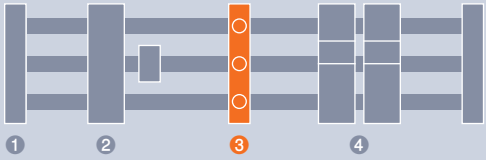
For 8US compact busbar system up to 360 A (3P) or 200 A (5P)



Conductor cross-section	Rated operational current I_e		Rated operational voltage U_e		Rated peak withstand current	Standard	Minimum order quantity	Dimensions
	IEC	UL 508	IEC	UL 508	IEC I_{pk} Max.			
Spring terminal								
1.5 ... 16 mm²	63 A	48 A	690 V AC	600 V AC	10 kA	IEC, UL 508	6 units	20 × 160 × 91 mm
Connecting terminal								
6 ... 50 mm²	175 A	175 A	690 V AC	600 V AC	40.5 kA	IEC, UL 508	1 unit	54 × 160 × 115 mm
10 ... 120 mm²	250 A	200 A	690 V AC	600 V AC	35.4 kA	IEC, UL 508	1 unit	90 × 160 × 80 mm
	–	–	690 V AC	600 V AC	35.1 kA	IEC, UL 508	1 unit	30 × 160 × 80 mm
					35.4 kA	IEC, UL 508	1 unit	30 × 160 × 80 mm
35 ... 150 mm²	275 A	285 A	690 V AC	600 V AC	45.9 kA	IEC, UL 508	1 unit	90 × 160 × 115 mm

❸ Built-in components

For 8US compact busbar systems up to 360 A (3P)



Number of poles
Modular width

Conductor cross-section	For flat copper profiles		Rated operational current I_e	Rated operational voltage U_e	Standard	Minimum order quantity
	12 × 5 mm	12 × 10 mm	IEC	IEC		
Box terminals						
Rigid 1.5 ... 10 mm² Flexible 1.5 ... 25 mm²	■	■	63 A	400 V AC	IEC	6 units

See NEOZED screw caps, NEOZED adapter sleeves and NEOZED fuse links, from page 7/1 onwards

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For 12 × 5 mm and 12 × 10 mm flat copper profiles			
For 3-pole system (up to 360 A)	For 5-pole system (up to 200 A)		
			
Connection modules	**Connection modules**	**Connection modules**	**Connection modules**
3P	**3P**	**N**	**PE**
8US1921-1BA02	–	–	–
8US1921-1CB02	–	–	–
–	8US1921-1CD02	–	–
–	–	8US1921-1CE02	–
–	–	–	8US1921-1CF02
8US1921-1CC02	–	–	–

NEOZED bus-mounting bases
Size D02
3P
2 MW

With touch protection
5SG6208

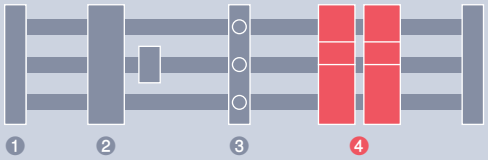
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❹ Device adapters

For 8US compact busbar system up to 360 A (3P) or 200 A (5P)



For 3-pole system
For universal applications



Rated operational current I_e		Rated operational voltage U_e		Standard	For flat copper profiles		Dimensions			Min. order quantity	
IEC	UL 508	IEC	UL 508		12 × 5 mm	12 × 10 mm	Height	Width	Length		
16 A	–	690 V AC	–	IEC	–	–	160 mm	22.5 mm	122 mm	4 units	–
							200 mm	22.5 mm	122 mm	5 units	–
25 A	–	690 V AC	–	IEC	■	–	160 mm	22.5 mm	41.5 mm	5 units	–
							185 mm	22.5 mm	23.5 mm	5 units	–
							200 mm	22.5 mm	41.5 mm	5 units	–
32 A	–	690 V AC	–	IEC	■	–	160 mm	18 mm	73 mm	12 units	–
	25 A	690 V AC	600 V AC	IEC, UL 508	■	■	160 mm	45 mm	63 mm	4 units	8US1651-5DK02
63 A	–	690 V AC	–	IEC	■	–	160 mm	18 mm	73 mm	12 units	–
							160 mm	18 mm	82 mm	12 units	–
	65 A	690 V AC	600 V AC	IEC, UL 508	■	■	160 mm	54 mm	63 mm	4 units	8US1661-5FK02
144 A	–	690 V AC	–	IEC	■	■	160 mm	77 mm	35 mm	1 unit	–

Suitable accessories

N modules



Rated voltage U_e	Connecting terminal	Dimensions	Minimum order quantity	Article No.
690 V AC	1.5 ... 16 mm²	9 × 160 × 114 mm	12 units	–

PE modules



Rated voltage U_e	Connecting terminal	Dimensions	Minimum order quantity	Article No.
690 V AC	1.5 ... 16 mm²	9 × 160 × 114 mm	12 units	–

Support modules



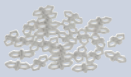
Dimensions	Minimum order quantity	Article No.
18 × 160 × 54 mm	6 units	8US1620-5AK02

Lateral modules



Dimensions	Minimum order quantity	Article No.
9 × 160 × 47 mm	12 units	8US1998-2BH02

Set of module connectors



Use	Package	Article No.
For connecting adapters	1 pack = 100 units	–

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For 3-pole system For 3VA10/11 molded case circuit breakers	For 5-pole system For universal applications	For SIRIUS 3RM1 motor starters and for relays	For 3RM193, 8US1615 and 8US1215 fuse modules		For 5SY miniature circuit breakers
					
With latching function	**Adapters, 1-pole**	**With fuse module and DIN mounting rail**		**With DIN mounting rail**	**Adapters, 1-pole**
–	–	8US1615-5CK10	–	–	–
–	–	8US1215-5CS10	–	–	–
–	–	–	8US1616-0AK02	–	–
–	–	–	–	8US1716-0RK00	–
–	–	–	8US1216-0AS00	–	–
–	8US1621-2NJ02	–	–	–	–
–	–	–	–	–	–
–	8US1621-2FK02	–	–	–	–
–	–	–	–	–	8US1624-2FK02
–	–	–	–	–	–
8US1613-4AU01	–	–	–	–	–

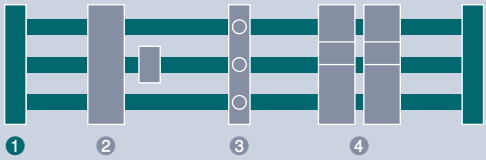
Article No.	Article No.	Article No.	Article No.	Article No.	Article No.
–	8US1600-0RE02	8US1600-0RE02	8US1600-0RE02	8US1600-0RE02	8US1600-0RE02
Article No.	**Article No.**	**Article No.**	**Article No.**	**Article No.**	**Article No.**
–	8US1600-0RF02	8US1600-0RF02	8US1600-0RF02	8US1600-0RF02	8US1600-0RF02
Article No.	**Article No.**	**Article No.**	**Article No.**	**Article No.**	**Article No.**
8US1620-5AK02	8US1620-5AK02	8US1620-5AK02	8US1620-5AK02	8US1620-5AK02	8US1620-5AK02
Article No.	**Article No.**	**Article No.**	**Article No.**	**Article No.**	**Article No.**
8US1998-2BH02	8US1998-2BH02	8US1998-2BH02	8US1998-2BH02	8US1998-2BH02	8US1998-2BH02
Article No.	**Article No.**	**Article No.**	**Article No.**	**Article No.**	**Article No.**
–	8US1998-1AA02	8US1998-1AA02	8US1998-1AA02	8US1998-1AA02	8US1998-1AA02

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❶ Basic assemblies

Up to 630 A



Flat copper profiles							Standard
12 × 5 mm	15 × 5 mm	20 × 5 mm	25 × 5 mm	30 × 5 mm	20 × 10 mm	30 × 10 mm	
Interior mounting							
■	■	■	■	■	■	■	IEC 61439-1
–	–	■	–	–	■	■	IEC 61439-1, UL 508 [1]
■	■	■	■	■	■	■	IEC 61439-1
■	–	■	–	■	■	■	IEC 61439-1
■	■	■	■	■	■	■	IEC 61439-1, UL 508
Exterior mounting							
■	■	■	■	■	■	■	IEC 61439-1
■	■	■	■	■	■	■	IEC 61439-1

[1] Only with base plate 8US1922-2UA01

Suitable accessories

Flat copper profile



Surface	Length	Size	Rated operational current	Cross-section	Standard	Article No.
Bare	1100 mm	25 × 5 mm	400 A	125 mm²	EN 12167	8WC5031-1AA00
		30 × 5 mm	447 A	150 mm²	EN 12167	8WC5033-1AA00
	2400 mm	12 × 5 mm	200 A	60 mm²	EN 12167	8WC5123
		15 × 5 mm	250 A	75 mm²	EN 12167	8WC5121
		20 × 5 mm	320 A	100 mm²	EN 12167	8WC5126
		25 × 5 mm	400 A	125 mm²	EN 12167	8WC5131
		30 × 5 mm	447 A	150 mm²	EN 12167	8WC5133
		20 × 10 mm	520 A	200 mm²	EN 12167	8WC5128
		30 × 10 mm	630 A	300 mm²	EN 12167	8WC5134



Tin-plated	2000 mm	12 × 5 mm	200 A	60 mm²	EN 12167	8WC5051
		15 × 5 mm	250 A	75 mm²	EN 12167	8WC5052
		20 × 5 mm	320 A	100 mm²	EN 12167	8WC5053
		25 × 5 mm	400 A	125 mm²	EN 12167	8WC5054
		30 × 5 mm	447 A	150 mm²	EN 12167	8WC5055
		20 × 10 mm	520 A	200 mm²	EN 12167	8WC5063
		30 × 10 mm	630 A	300 mm²	EN 12167	8WC5065

End covers

- For covering free busbar ends

For connection	For busbar support	Standard	Article No.
L1–L3	8US1923-2AA01, 8US1923-3AA01, 8US1923-3UA01	IEC, UL 508	8US1922-1AC00
L1–L3 + PE/N	8US1923-4AA00	IEC	8US1922-1AB00

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No. of poles	End and intermediate supports			N/PE busbar supports
	3P	2P	4P	1P
				
	Connection L1–L3	**Connection L1/L2/L3/PE/N**	**Connection L1–L3 + PE/N**	**Connection PE/N**
	8US1923-3AA01	–	–	–
	8US1923-3UA01	–	–	–
	–	–	8US1923-4AA00	–
	–	–	–	5SH3540
	–	–	–	8US1923-1AA01
	8US1923-2AA01	–	–	–
	–	8US1923-5AA00	–	–

Cover profiles for busbars



Length	Width	Depth	Flat copper profile size	Standard	Article No.
1000 mm	15 mm	10 mm	12 × 5 mm	UL 508	8US1922-2CA00
	40 mm	9 mm	15, 20, 25, 30 × 5 mm	UL 508	8US1922-2AA00
	40 mm	14 mm	12, 15, 20, 25, 30 × 10 mm	UL 508	8US1922-2BA00

Blanking covers



Length	Height	Depth	Standard	Article No.
700 mm	195 mm	63 mm	UL 508	8US1922-2EB00

Supports for blanking covers



Depth	Standard	Article No.
32 mm	UL 508	8US1922-2EA00
107 mm	UL 508	8US1922-2EA01

Base plates

Version	Length	Width	Standard	Article No.
For 3-pole system	1100 mm	240 mm	UL 508	8US1922-2UA01

Connecting piece for flat copper profiles





Length	For flat copper profiles	Article No.
40 mm	20 × 5 mm, 25 × 5 mm, 30 × 5 mm, 20 × 10 mm, 25 × 10 mm, 30 × 10 mm	8US1921-2BE00
55 mm	12 × 5 mm, 15 × 5 mm, 20 × 5 mm 12 × 10 mm, 15 × 10 mm, 20 × 10 mm	8US1921-2BF00

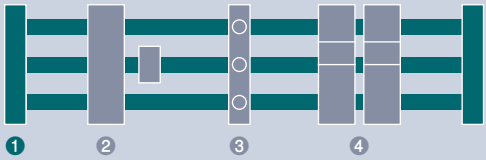
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❶ Basic assemblies

Up to 1600 A



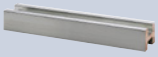
	Busbar supports
No. of poles	3P
	

Copper profile	Rated operational current I_e		Rated operational voltage U_e		Short-circuit current rating SCCR		Standard	Connection
	IEC	UL 508	IEC	UL 508	IEC	UL 508		L1–L3
Interior mounting								
TT special profile	1600 A	1400 A	690 V AC	600 V AC	90 kA	100 kA	IEC, UL 508	8US1943-3AA00

1 pack = 2 busbar supports + finger-safe end covers

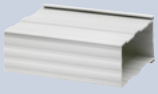
Suitable accessories

TT special copper profile



Surface	Length	Rated operational current	Rated operational voltage	Cross-section	Article No.
Tin-plated	2400 mm	1600 A	690 V AC	720 mm²	8US1948-2AA00

Cover profile for TT special copper profile



Length	Article No.
1000 mm	8US1922-2DA00

Blanking covers



Length	Height	Depth	Standard	Article No.
700 mm	195 mm	63 mm	UL 508	8US1922-2EB00

Supports for blanking covers



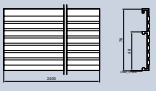
Depth	Standard	Article No.
32 mm	UL 508	8US1922-2EA00
107 mm	UL 508	8US1922-2EA01

Connecting piece for TT special profile



Article No.
8US1941-2BF01

Partitions, closed



- For additional lateral touch protection at the top/bottom

Length	Depth	Article No.
2400 mm	76 mm	8US1922-1JA00

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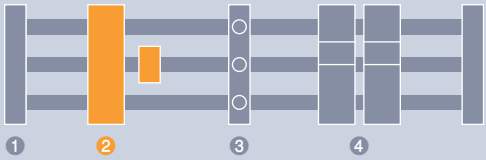
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❷ Infeeds and connection methods

Up to 1600 A



Conductor cross-section, circular conductor		Conductor cross-section, laminated copper	Rated operational current I_e		Rated operational voltage U_e		Standard	Length
IEC	UL 508		IEC	UL 508	IEC	UL 508		
With cover								
Cu 1.5 ... 16 mm²	Cu AWG 16 ... 4	Cu lam. 8 × 6 × 0.5 mm	63 A	48 A	690 V AC	600 V AC	IEC, UL 508	200 mm
Cu 6 ... 50 mm²	Cu AWG 10 ... 2	–	175 A	175 A	690 V AC	600 V AC	IEC, UL 508	200 mm
Cu 25 ... 120 mm²	Cu AWG 6 ... MCM 250	–	250 A	250 A	690 V AC	600 V AC	IEC, UL 508	200 mm
Cu 95 ... 300 mm² Al 120 ... 240 mm²	AWG 3/0 ... MCM 600	–	500 A	420 A	690 V AC	–	IEC, UL 508	200 mm
Without cover								
Cu 95 ... 300 mm²	AWG 3/0 ... MCM 600	–	500 A	420 A	690 V AC	600 V AC	IEC, UL 508	184 mm
–	–	Cu lam. 3 × 20 × 1 ... 10 × 32 × 1 mm	550 A	420 A	690 V AC	600 V AC	IEC, UL 508	184 mm
For 4th pole (PE/N) [2]								
Cu 1.5 ... 16 mm²	–	–	–	–	690 V AC	600 V AC	IEC, UL 508	242 mm

[1] Shown without cover
[2] For mounting on device adapter or device holder

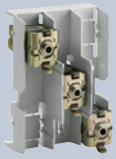
Suitable accessories

Cover for connection module



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	Connection modules For 5 mm and 10 mm flat copper profiles		For 5 mm and 10 mm flat copper profiles and TT special profile		For laminated copper
					
Width	**Connection modules** **3P**	**Connection modules** **3P**	**Connection modules** **3P**	**Connection modules** **PE/N**	**Connection modules** **3P**
20 mm	5SH3538	–	–	–	–
54 mm	–	–	8US1921-1BA00	–	–
81 mm	–	–	8US1921-1AA00	–	–
135 mm	–	5SH3535 [1]	–	–	–
153 mm	–	–	–	–	8US1941-2AA03
153 mm	–	–	–	–	8US1941-2AA04
18 mm	–	–	–	8US1200-0AA00	–
	Article No.	**Article No.**	**Article No.**	**Article No.**	**Article No.**
	–	–	–	–	8US1922-1GC00

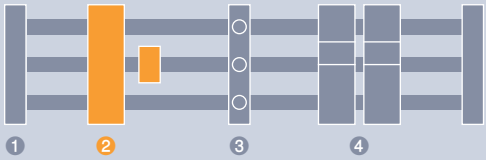
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❷ Infeeds and connection methods

Up to 1600 A



Conductor cross-section, circular conductor		Conductor cross-section, laminated copper	Rated operational current I_e		Rated operational voltage U_e		Standard	Minimum order quantity
IEC	UL 508		IEC	UL 508	IEC	UL 508		
Cu 1.5 ... 16 mm²	AWG 16 .. 6	Cu lam. 8×6×0.5 mm	65 A	55 A	690 V AC	600 V AC	IEC, UL 508	15 units
								100 units
Cu 4 ... 35 mm²	AWG 10 ... 2	Cu lam. 3×9×0.8 mm, Cu lam. 6×9×0.8 mm	115 A	115 A	690 V AC	600 V AC	IEC, UL 508	15 units
								50 units
Cu 16 ... 70 mm²	AWG 4 ... 2/0	Cu lam. 2×9×0.8 mm, Cu lam. 6×9×0.8 mm, Cu lam. 6×13×0.5 mm	175 A	175 A	690 V AC	600 V AC	IEC, UL 508	15 units
								50 units
Cu 16 ... 120 mm²	AWG 4 ... MCM 250	Cu lam. 4×15.5×0.8 mm, Cu lam. 6×15.5×0.8 mm, Cu lam. 10×15.5×0.5 mm	250 A	255 A	690 V AC	600 V AC	IEC, UL 508	15 units
								50 units

[1] Finely stranded, directly clamped or with end sleeve, solid and stranded circular conductor

Suitable accessories

Terminal covers for circular conductors



- Fixing to busbar

Length	Width
200 mm	84 mm

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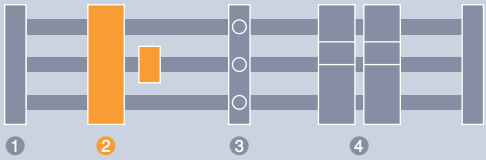
Terminals [1]							
For 12 × 5 mm, 15 × 5 mm, 20 × 5 mm, 25 × 5 mm and 30 × 5 mm flat copper profiles				For 12 × 10 mm, 15 × 10 mm, 20 × 10 mm, 25 × 10 mm and 30 × 10 mm flat copper profiles and TT special profile			
							
8US1921-2AA01	–	–	–	8US1921-2BA01	–	–	–
8US1921-2AA00	–	–	–	8US1921-2BA00	–	–	–
–	8US1921-2AB01	–	–	–	8US1921-2BB01	–	–
–	8US1921-2AB00	–	–	–	8US1921-2BB00	–	–
–	–	8US1921-2AD01	–	–	–	8US1921-2BD01	–
–	–	8US1921-2AD00	–	–	–	8US1921-2BD00	–
–	–	–	8US1921-2AC01	–	–	–	8US1921-2BC01
–	–	–	8US1921-2AC00	–	–	–	8US1921-2BC00
Article No.	**Article No.**	**Article No.**	**Article No.**	**Article No.**	**Article No.**	**Article No.**	**Article No.**
8US1922-1GA00	8US1922-1GA00	8US1922-1GA00	8US1922-1GA00	8US1922-1GA00	8US1922-1GA00	8US1922-1GA00	8US1922-1GA00

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❷ Infeeds and connection methods

Up to 1600 A



Conductor cross-section, circular conductor		Conductor cross-section, laminated copper	Conductor cross-section, cable lugs	Rated operational current I_e		Rated operational voltage U_e		Standard
IEC	UL 508			IEC	UL 508	IEC	UL 508	
Cu 95 ... 185 mm² Al 95 ... 185 mm²	AWG 3/0 ... MCM 350	–	–	300 A	310 A	690 V AC	600 V AC	IEC, UL 508
Cu 95 ... 300 mm² Al 120 ... 140 mm²	AWG 3/0 ... MCM 600	–	–	500 A	420 A	690 V AC	600 V AC	IEC, UL 508
–	–	Cu lam. 3 × 20 × 1 ... 10 × 24 × 1 mm	–	500 A	420 A	690 V AC	600 V AC	IEC, UL 508
		Cu lam. 2 × 40 × 10 mm	–	1250 A	–	690 V AC	–	IEC
		–	Max. 240 mm²	630 A	–	690 V AC	–	IEC

Suitable accessories

Terminal covers for circular conductors



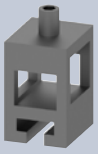
- Fixing to busbar

Length	Width
200 mm	270 mm

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	Terminals				
	For 20 × 5 mm, 25 × 5 mm and 30 × 5 mm flat copper profiles		For 20 × 10 mm, 25 × 10 mm and 30 × 10 mm flat copper profiles		For 40 × 25 mm and 30 × 10 mm flat copper profiles and TT special profile
					
Mounting					
–	8US1941-2AA01	–	–	–	–
–	8US1941-2AA02	–	–	–	–
M16 threaded pin, size 8 Allen key	–	8US1941-2BB00	–	8US1941-2BB00	–
M16 threaded pin, size 8 Allen key	–	–	–	–	8US1941-2BA00
M16 threaded pin, size 8 Allen key, M10 hexagon bolt, width across flats 17	–	–	8US1941-2AC00	–	–
	Article No.	Article No.	Article No.	Article No.	Article No.
	8US1922-1GA02	–	–	–	–

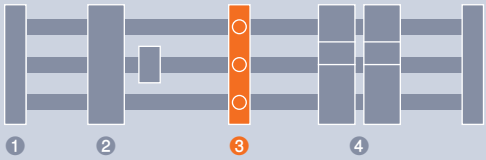
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❸ Built-in components

Up to 630 A



						NEOZED bus-mounting fuse bases Size D02		
						Modular width	1.5 MW	1.5 MW	2 MW
									
For flat copper profiles	**Rated operational current I_e**		**Rated operational voltage U_e**			**Standard**	**Standard**	**With touch protection**	
	IEC	**UL 508**	**IEC AC**	**IEC DC**	**UL**				
Box terminals									
5 mm and 10 mm	25 A	–	500 V AC	–	–	IEC	–	–	–
	63 A	–	400 V AC	250 V DC	–	IEC	5SG6202	5SG6206	5SG6207
			690 V AC	–	–	IEC	–	–	–
	–	30 A	690 V AC	–	600 V AC	IEC, ,	–	–	–
			–	–	600 V AC	,	–	–	–
		100 A	–	–	600 V AC	c us	–	–	–
		200 A	–	–	600 V AC	c us	–	–	–
		400 A	–	–	600 V AC	, c us	–	–	–
More information									
3NP1 fuse switch disconnectors							See page 8/86	See page 8/86	See page 8/86

Note:
NEOZED adapter sleeves or DIAZED screw adapters are required for NEOZED and DIAZED bus-mounting fuse bases.

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Suitable accessories

NEOZED covers for standard version

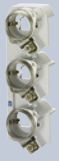
	Size	Version	Modular width	Article No.	Article No.	Article No.
	D02	Standard	1.5 MW	5SH5241	–	–
		Extra wide	2 MW	5SH5242	–	–
		With double width	3 MW	5SH5243	–	–

DIAZED covers for standard version

	Size	Modular width	Article No.	Article No.	Article No.
	DII	2.3 MW	–	–	–
	DIII	3.2 MW	–	–	–

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DIAZED bus-mounting fuse bases		Bus-mounting fuse holders				
Size DII	Size DIII	Cylindrical fuses 10 × 38 mm	Class CC	Class J		
2.3 MW	3.2 MW	1.5 MW	1.5 MW	106 mm	184 mm	256 mm
						
Standard	**With touch protection**			**3P**	**3P**	**3P**
5SF6015	5SF6020	–	–	–	–	–
–	–	–	–	–	–	–
5SF6215	5SF6220	–	–	–	–	–
–	–	3NW7431	–	–	–	–
–	–	–	3NW7431-0HG	–	–	–
–	–	–	–	3NW7431-6HG	–	–
–	–	–	–	–	3NW7431-7HG	–
–	–	–	–	–	–	3NW7431-8HG
See page 8/86	**See page 8/86**	**See page 8/86**	**See page 8/86**	**See page 8/86**	**See page 8/86**	**See page 8/86**

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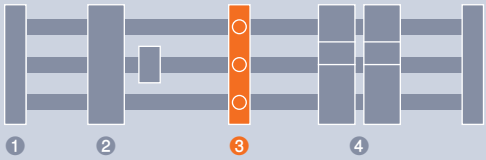
Article No.	Article No.	Article No.	Article No.	Article No.	Article No.	Article No.
–	–	–	–	–	–	–
–	–	–	–	–	–	–
–	–	–	–	–	–	–
Article No.	**Article No.**	**Article No.**	**Article No.**	**Article No.**	**Article No.**	**Article No.**
5SH2042	–	–	–	–	–	–
5SH2242	–	–	–	–	–	–

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❸ Built-in components

Up to 630 A



							NEOZED bus-mounting switch disconnectors Size D02		
							Modular width	1.5 MW	1.5 MW	1.5 MW
										
For flat copper profiles	**Rated operational current I_e**		**Rated operational voltage U_e**			**Standard**	**Without LED signal detector**		**With LED signal detector**
	IEC	**UL 508**	**IEC AC**	**IEC DC**	**UL 508**				
Box terminals									
5 mm, 10 mm	63 A	–	400 V AC	–	–	IEC	5SG7234-1 [2]	–	5SG7234-2 [2]
				110 V DC	–	IEC	–	5SG7230 [1]	–

[1] From 35 A current load use 5SH5526 lateral module
[2] From 35 A current load use 5SH5533 lateral module

Note:
NEOZED adapter sleeves or DIAZED screw adapters are required for NEOZED and DIAZED bus-mounting fuse bases.

Suitable accessories

Auxiliary switches



- For signaling the switching state for bus-mounting switch disconnectors

Contacts	Modular width	Article No.	Article No.	Article No.
1 CO	0.5 MW	–	5SH5525	–

Lateral modules



- For greater heat dissipation for loads from 35 A

Modular width	Article No.	Article No.	Article No.
0.5 MW	5SH5533	5SH5526	5SH5533

Reducers



- For NEOZED D01 fuse links in SR60 bus-mounting switch disconnectors

	Article No.	Article No.	Article No.
	–	5SH5527	–

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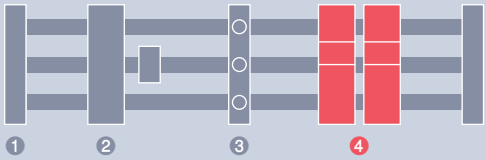
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❹ Device adapters and device holders

For universal application up to 1600 A



Rated operational current I_e		Rated operational voltage U_e		Standard	For copper profiles	Adapters		Connecting cable		
IEC	UL 508	IEC	UL 508			Width	Height	Cross-section	Max. temperature	Length
25 A	25 A	690 V AC	600 V AC	IEC, UL 508	5 mm, 10 mm, TT profile	45 mm	200 mm	AWG 12	150 °C	99 mm
										167 mm
							260 mm	AWG 12	150 °C	99 mm
										167 mm
32 A	32 A	690 V AC	600 V AC	IEC, UL 508	5 mm, 10 mm, TT profile	45 mm	200 mm	AWG 10	105 °C	118 mm
									150 °C	99 mm
										167 mm
							260 mm	AWG 10	150 °C	99 mm
										167 mm
80 A	80 A	690 V AC	600 V AC	IEC, UL 508	5 mm, 10 mm, TT profile	54 mm	200 mm	AWG 4	150 °C	150 mm
							260 mm	AWG 4	150 °C	150 mm
						119 mm	260 mm	AWG 4	150 °C	150 mm
100 A	100 A	690 V AC	600 V AC	IEC, UL 508	5 mm, 10 mm, TT profile	72 mm	200 mm	AWG 4	105 °C	210 mm
–	–	–	–	–	5 mm, 10 mm, TT profile	45 mm	200 mm	–	–	–
								–	–	–
							260 mm	–	–	–

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Accessories

Lateral modules



- For extending device adapters and device holders of the same length

Length	Width
200 mm	9 mm

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Device adapters with connecting cables For contact with busbars						Device holders No electrical contact	
							
							For lateral mounting on device adapter
8US1251-5DS10	–	–	–	–	–	–	–
8US1251-5DS11	–	–	–	–	–	–	–
8US1251-5DT10	–	–	–	–	–	–	–
8US1251-5DT11	–	–	–	–	–	–	–
–	8US1211-1NS10	–	–	–	–	–	–
–	–	8US1251-5NS10	–	–	–	–	–
–	–	8US1251-5NS11	–	–	–	–	–
–	–	8US1251-5NT10	–	–	–	–	–
–	–	8US1251-5NT11	–	–	–	–	–
–	–	–	8US1261-5MS13	–	–	–	–
–	–	–	8US1261-6MT10	–	–	–	–
–	–	–	–	–	8US1211-6MT10	–	–
–	–	–	–	8US1211-4TR00	–	–	–
–	–	–	–	–	–	–	8US1250-1AA10
–	–	–	–	–	–	8US1250-5AS10	–
–	–	–	–	–	–	8US1250-5AT10	–

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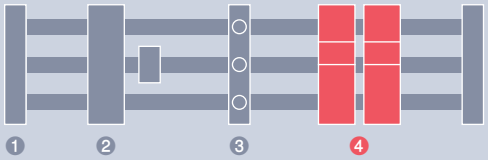
Article No.	Article No.	Article No.	Article No.	Article No.	Article No.	Article No.	Article No.
8US1998-2BJ10	8US1998-2BJ10	8US1998-2BJ10	8US1998-2BJ10	–	–	8US1998-2BJ10	–

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❹ Device adapters and device holders

For molded case circuit breakers and switch disconnectors up to 1600 A



Rated operational current I_e		Rated operational voltage U_e		Standard	For copper profile	Adapters		Connecting cable
IEC	UL 508	IEC	UL 508			Length	Width	
Screw terminals								
80 A	80 A	–	600 V AC	UL 508	5 mm, 10 mm, TT profile	200 mm	81 mm	AWG 4
125 A	125 A	690 V AC	600 V AC	IEC, UL 508	5 mm, 10 mm, TT profile	200 mm	90 mm	Cu laminated 6 × 9 × 0.8 mm
Busbar contact								
144 A	–	690 V AC	–	IEC	5 mm, 10 mm, TT profile	200 mm	76 mm	–
160 A	–	690 V AC	–	IEC	5 mm, 10 mm, TT profile	175 mm	108 mm	–
250 A	–	690 V AC	–	IEC	5 mm, 10 mm, TT profile	175 mm	108 mm	–
Tubular contacts								
150 A	150 A	690 V AC	600 V AC	IEC, UL 508	5 mm, 10 mm, TT profile	190 mm	105 mm	–
250 A	250 A	690 V AC	600 V AC	IEC, UL 508	5 mm, 10 mm, TT profile	190 mm	105 mm	–
						240 mm	105 mm	–
	–	690 V AC	–	IEC	5 mm, 10 mm, TT profile	270 mm	140 mm	–
400 A	400 A	690 V AC	600 V AC	IEC, UL 508	5 mm, 10 mm, TT profile	296 mm	140 mm	–
540 A	540 A	690 V AC	600 V AC	IEC, UL 508	5 mm, 10 mm, TT profile	296 mm	140 mm	–
580 A	–	690 V AC	–	IEC	5 mm, 10 mm, TT profile	325 mm	184 mm	–
590 A	600 A	690 V AC	600 V AC	IEC, UL 508	5 mm, 10 mm, TT profile	300 mm	140 mm	–
	–	690 V AC	–	IEC	5 mm, 10 mm, TT profile	300 mm	185 mm	–
M10 pin connector								
400 A	–	690 V AC	–	IEC	5 mm, 10 mm, TT profile	320 mm	184 mm	–
630 A	630 A	690 V AC	600 V AC	IEC, UL 508	5 mm, 10 mm, TT profile	320 mm	250 mm	–
	–	690 V AC	–	IEC	5 mm, 10 mm, TT profile	320 mm	184 mm	–
						320 mm	250 mm	–

[1] Observe the short-circuit strength of the busbar system: Short-circuit strength > 50 kA on request.
[2] Usable only for 3VL circuit breakers with line-side box terminals.
[3] Only for 3VL 250 A circuit breakers, for screw fixing with metric thread, for flat terminals.
[4] Without connecting cables. The connecting cable between adapter and device should be manufactured in accordance with the rated operational current as a round cable, e.g. H07V-R with cable lug, or as a flat conductor for an M10 pin connector.
[5] Without connecting cables. The connecting cable between adapter and device should be manufactured in accordance with the rated operational current as a round cable, e.g. H07V-R, bared at both ends for tunnel terminals.

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	Device adapter For molded case circuit breakers			For switch disconnectors	For fuse switch disconnectors
	3VA		3VL [1]	3KA and 3KL	3NP5
					
Device	**3-pole**	**4-pole**	**3-pole**	**3-pole**	**3-pole**
Size/type					
NGG, HGG, LGG	8US1240-5MA00	–	–	–	–
3VA10, 3VA11, 3VA51, NGG, HGG, LGG (connection at top)	8US1211-4SS00	–	–	–	–
3VA10, 3VA11, 3VA51 (connection at bottom)	8US1215-4SS00	–	–	–	–
3VA10, 3VA11	8US1213-4AU01	–	–	–	–
3VL1 [2], 3VL2 [2]	–	–	8US1211-4SL01	–	–
3NP5060 (NH00)	–	–	–	–	8US1291-4SB00
3VL3 [3]	–	–	8US1211-4SL00	–	–
VL150X UL CG frame	–	–	8US1213-4AQ01	–	–
VL150 UL DG frame	–	–	8US1213-4AQ03	–	–
VL250 UL FG frame	–	–	8US1213-4AQ03	–	–
3VA12, 3VA20, 3VA21, 3VA22, 3VA52, 3VA61, 3VA62	8US1213-4AP03	–	–	–	–
3VA12, 3VA20, 3VA21, 3VA22	–	8US1313-4AH03	–	–	–
VL400 UL JG frame	–	–	8US1213-4AH00	–	–
VL400X UL LG frame	–	–	8US1213-4AH00	–	–
3VL5	–	–	8US1213-4AF00	–	–
3VA13, 3VA14, 3VA23, 3VA24, 3VA53, 3VA54, 3VA63, 3VA64	8US1213-4AH04	–	–	–	–
3VA13, 3VA14, 3VA23, 3VA24	–	8US1313-4AM04	–	–	–
3VL1 to 3VL4 (also with RCD module) [2]	–	–	8US1210-4AF00 + 8US1927-4AF01	–	–
3NP52, 3NP53, 3NP54 [5]	–	–	–	–	8US1210-4AG00
3KA52, 3KA53, 3KL52, 3KL53	–	–	–	8US1210-4AF00 [4]	–
3KA55, 3KA57, 3KA58, 3KL55, 3KL57	–	–	–	8US1210-4AG00 [4]	–

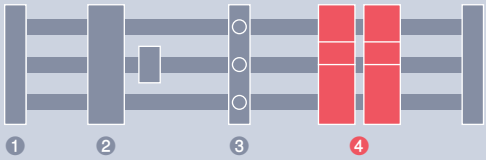
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❹ Device adapters and device holders

For load feeders up to 1600 A



Rated operational current I_e		Rated operational voltage U_e			Standard	For copper profile	Adapters		Connecting cable		Device
IEC	UL 508	IEC	UL 508	,			Length	Width	Cross-section	Max. temperature	Size
Screw terminals											
25 A	25 A	690 V AC	600 V AC	–	IEC, UL 508	5 mm, 10 mm, TT profile	200 mm	45 mm	AWG 12	150 °C	S00
											S0
							260 mm	45 mm	AWG 12	150 °C	S00
32 A	32 A	690 V AC	600 V AC	–	IEC, UL 508	5 mm, 10 mm, TT profile	200 mm	45 mm	AWG 10	150 °C	S0
							260 mm	45 mm	AWG 10	150 °C	S0
		–	–	690 V AC	,	5 mm, 10 mm, TT profile	200 mm	45 mm	AWG 10	105 °C	S00/S0
65 A	65 A	690 V AC	600 V AC	–	IEC, UL 508	5 mm, 10 mm, TT profile	260 mm	54 mm	AWG 4	150 °C	S2
								119 mm	AWG 4	150 °C	S2
80 A	80 A	690 V AC	600 V AC	–	IEC, UL 508	5 mm, 10 mm, TT profile	200 mm	54 mm	AWG 4	150 °C	S2
							215 mm	72 mm	AWG 4	150 °C	S3
Spring-loaded terminals											
25 A	25 A	690 V AC	600 V AC	–	IEC, UL 508	5 mm, 10 mm, TT profile	200 mm	45 mm	AWG 12	150 °C	S00
							260 mm	45 mm	AWG 12	150 °C	S00
32 A	32 A	690 V AC	600 V AC	–	IEC, UL 508	5 mm, 10 mm, TT profile	200 mm	45 mm	AWG 10	150 °C	S0
							260 mm	45 mm	AWG 10	150 °C	S0

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Suitable accessories

Vibration & shock kit S2



Use
For size 2 devices

Lateral modules



- For extending device adapters and device holders of the same length

Length	Width
200 mm	9 mm

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For 3-pole system

Device adapters for load feeders

SIRIUS 3RV2/3RT2			SIRIUS 3RV1/3RT1	SIRIUS 3RA6	
Circuit breakers	Direct-on-line starters	Reversing starters	Circuit breakers	Direct-on-line starters	Reversing starters
					
8US1251-5DS10	8US1251-5DS10	8US1251-5DS10 + 8US1250-5AS10	–	–	–
8US1251-5DS10	–	–	–	–	–
–	8US1251-5DT10	–	–	–	–
8US1251-5NS10	–	–	–	–	–
8US1251-5NT10	8US1251-5NT10	8US1251-5NT10 + 8US1250-5AT10	–	–	–
–	–	–	–	8US1211-1NS10	8US1211-1NS10 + 8US1250-1AA10
–	8US1261-6MT10	–	–	–	–
–	–	8US1211-6MT10	–	–	–
8US1261-5MS13	–	–	–	–	–
–	–	–	8US1211-4TR00	–	–
8US1251-5DS11	–	–	–	–	–
8US1251-5DT11	8US1251-5DT11	8US1251-5DT11 + 8US1250-5AT10	–	–	–
8US1251-5NS11	–	–	–	–	–
8US1251-5NT11	8US1251-5NT11	8US1251-5NT11 + 8US1250-5AT10	–	–	–
Article No.	Article No.	Article No.	Article No.	Article No.	Article No.
8US1998-1DA10	8US1998-1DA10	8US1998-1DA10	–	–	–
Article No.	Article No.	Article No.	Article No.	Article No.	Article No.
8US1998-2BJ10	8US1998-2BJ10	8US1998-2BJ10	–	8US1998-2BJ10	8US1998-2BJ10

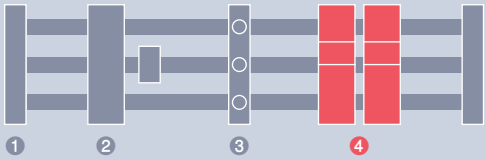
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❹ Device adapters and device holders

Accessories for device adapters for SIRIUS 3RV2/3RT2 load feeders



Support rails (35 mm) made of plastic with fixing screws

	Width	For adapter width	Article No.
	45 mm	45 mm	8US1998-7CB45
	54 mm	54 mm	8US1998-7CB54
	72 mm	54 mm	8US1998-7CB72

Positioning pieces

- For pushing on
- Secures the adaptable devices on the adapter

	For adapter width	Article No.
	45 mm	8US1998-1DA45
	54 mm	8US1998-1DA54

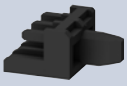
Connecting element



- For connecting busbar adapters and device holders

Article No.
8US1998-1AA10

Spacers



- Fix the feeder to the busbar adapter

Article No.
8US1998-1BA10

Vibration & shock kit

Article No.
8US1998-1CA10

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Appendix



Conditions of sale and delivery A/2

Link directory A/4

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Conditions of sale and delivery

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Catalog LV 10

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CAx download manager	www.siemens.com/cax
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Catalogs and further information



LV 10
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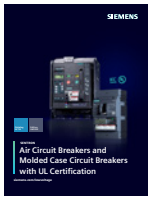
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ET D1
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SENTRON

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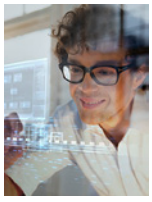
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