Technical catalogue 2010
S800/S500
The High Performance MCB

Power and productivity
for a better world™

High performance MCB S800 and S500

The S800 and S500 high performance circuit breakers are miniature circuit breakers that restrict current and energy. The maximum rated ultimate short-circuit breaking capacity I_{cu} is around 50 kA, in accordance with IEC 60947-2.

The excellent back-up and selectivity properties make these switches unique. Furthermore, the S800 and S500 are distinguished by the numerous licences which make it possible to use them worldwide.

S800

S series*
I_{cu} of 50 kA
Rated current: 6–125 A

N series*
I_{cu} of 36 kA
Rated current: 6–125 A

C series
I_{cu} of 25 kA
Rated current: 10–125 A

U series
Approved according to UL 489
Rated current: 10–100 A

PV-S series
I_{cu} of 5 kA
Rated operational voltage up to 1200 VDC
For applications among other things in photovoltaics

PV-M series
DC main switch
Rated currents up to 125 A
Rated operational voltage up to 1200 VDC
For applications among other things in photovoltaics

* Other rated currents on request

S500

X series
Customized high performance circuit breaker

K series
I_{cu} of max. 100 kA
Rated current: 0,1–45 A
With adjustable rated residual operating current

UC series
I_{cu} of 30 kA
Rated current: 0,1–45 A
Only for DC-applications
With adjustable rated residual operating current

HV series
I_{cu} of 1,5 kA
Rated current: 1–45 A
Rated operational voltage up to 1000 VAC

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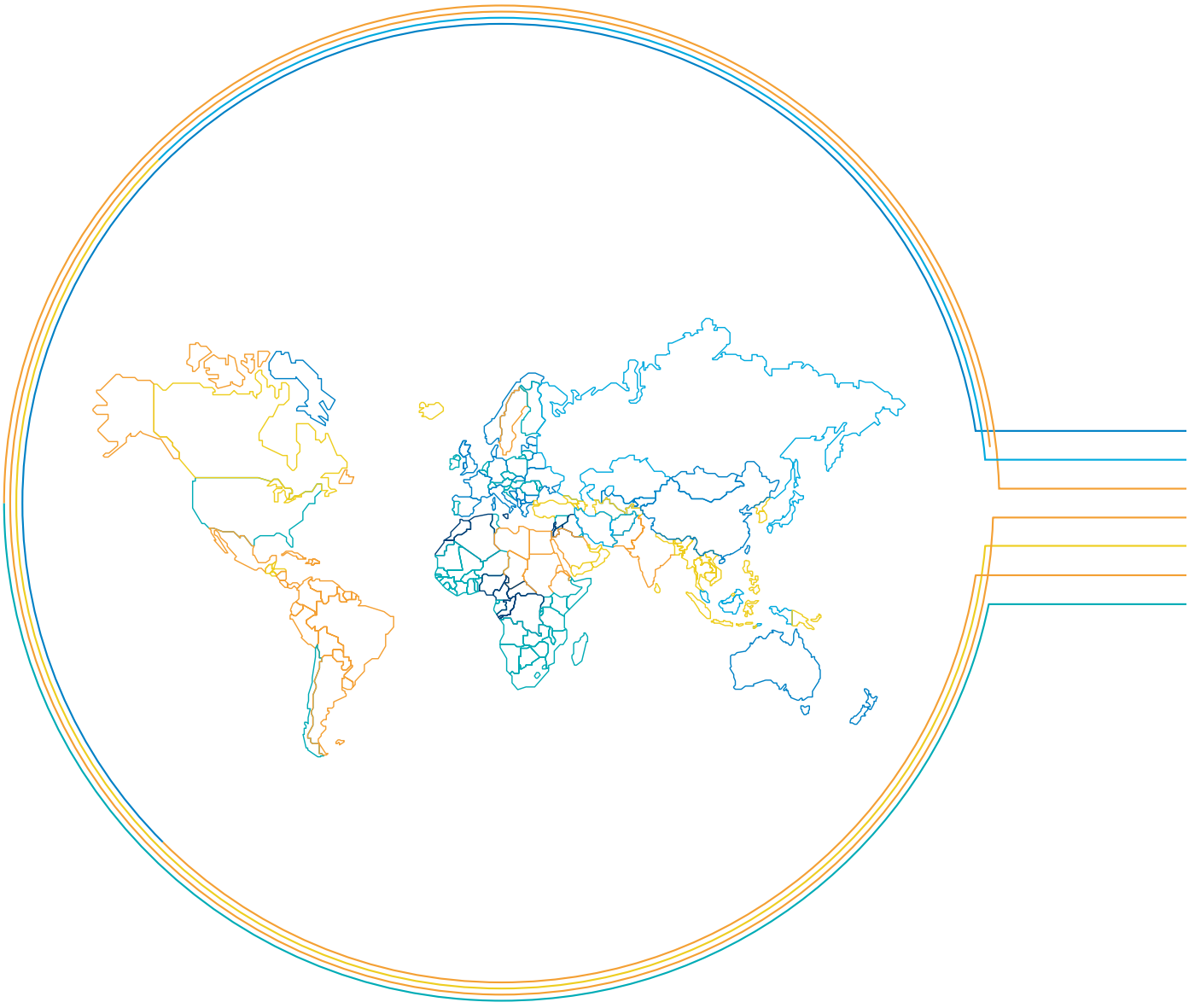


Overview S800

Series						S800S			
Characteristics						B, C, D	K	KM	UCB, UCK
Rated current I_n					[A]	6 … 125	6 … 125	20 … 80	10 … 125
Rated operational voltage U_e	AC	(50/60 Hz)			[V]	400/690	400/690	400/690	-
	DC	per terminal			[V]	max. 125	max. 125	max. 125	250, max. 750 VDC
IEC 60947-2									
Rated ultimate short-circuit breaking capacity I_{cu}	U_e	I_e	Pole						
	AC	240/415	10 … 100	1	[kA]				
		240/415	10 … 100	2 … 4	[kA]				
		240/415	6 … 125	1 … 4	[kA]	50	50	50*4	
		254/440	6 … 125	1 … 4	[kA]	30	30	30*4	
		289/500	6 … 80	1 … 4	[kA]	15	15	15*4	
		289/500	100 … 125	1 … 4	[kA]	10	10	10	
		400/690	6 … 80	1 … 4	[kA]	6	6	6*4	
		400/690	100 … 125	1 … 4	[kA]	4.5	4.5	4.5	
		580/1000	1 … 45	1 … 3	[kA]				
	DC	125	6 … 125	1	[kA]	30	30		
		250	6 … 125	2	[kA]	30	30		
		375	6 … 125	3	[kA]	30	30	30*4	
		500	6 … 125	4	[kA]	30	30		
		250	10 … 125	1	[kA]				50
		500	10 … 125	2	[kA]				50
		750	10 … 125	3	[kA]				50
		750	10 … 125	4	[kA]				50
		800	10 … 125	2	[kA]				
		1‘200	10 … 125	3	[kA]				
		1‘200	10 … 125	4	[kA]				
Rated service short-circuit breaking capacity I_{cs}		0.1 … 3	1 … 3	[kA]					
	AC	240/415	10 … 100	1	[kA]				
		240/415	10 … 100	2 … 4	[kA]				
		240/415	6 … 125	1 … 4	[kA]	40	40	40*4	–
		254/440	6 … 80	1 … 4	[kA]	22.5	22.5	22.5*4	–
		254/440	100 … 125	1 … 4	[kA]	15	15	15	–
		289/500	6 … 63	1 … 4	[kA]	11	11	11*4	–
		289/500	80	1 … 4	[kA]	8	8	8	–
		289/500	100 … 125	1 … 4	[kA]	5	5	5	–
		400/690	6 … 80	1 … 4		4	4	4*4	–
		400/690	100 … 125	1 … 4		3	3	3	–
	DC	125	6 … 125	1	[kA]	30	30		
		250	6 … 125	2	[kA]	30	30		
		375	6 … 125	3	[kA]	30	30	30	
		500	6 … 125	4	[kA]	30	30		
		250	10 … 125	1	[kA]				50
		500	10 … 125	2	[kA]				50
		750	10 … 125	3	[kA]				50
		750	10 … 125	4	[kA]				50
		800	10 … 125	2	[kA]				
		1‘200	10 … 125	3	[kA]				
		1‘200	10 … 125	4	[kA]				

*1 adjustable rated residual operating current
*2 Characteristic B, C, D
*3 I_n of 10 … 125 A
*4 I_n of 20 … 80 A

	S800N	S800C	S800U	S800PV		
	B, C, D	B, C, D, K	K, Z	S	S	M
[A]	6 … 125	10 … 125	10 … 100	10 … 80	100, 125	32, 63, 125
[V]						
[V]				800 (2-pole) 1200 (3-pole) 1200 (4-pole)	600 (2-pole) 1000 (3-pole) 1200 (4-pole)	800 (2-pole) 1200 (3-pole) 1200 (4-pole)
[kA]			30			
[kA]			50			
[kA]	36	25*3				
[kA]	20	15*3				
[kA]	10					
[kA]	10					
[kA]	4.5					
[kA]	4.5					
[kA]						
[kA]	20	10*3				
[kA]	20	10*3				
[kA]	20	10*3				
[kA]	20	10*3				
[kA]						
[kA]						
[kA]						
[kA]						
[kA]				5	5	
[kA]				5	5	
[kA]				5	5	
[kA]						
[kA]			25			
[kA]			40			
[kA]	30	18*3				
[kA]	20	10*3				
[kA]	20	10				
[kA]	8					
[kA]	5					
[kA]	5					
	3					
	3					
[kA]	20	10*3				
[kA]	20	10*3				
[kA]	20	10*3				
[kA]	20	10*3				
[kA]						
[kA]						
[kA]						
[kA]						
[kA]				5	5	
[kA]				5	5	
[kA]				5	5	

Overview S800

Series						**S800S**			
Characteristics						B, C, D	K	KM	UCB, UCK
IEC 60947-3									
Rated short-time withstand current I_{cw}		U_e	I_e	Pole					
	DC	800	32, 63, 125	2	[kA]				
		1200	32, 63, 125	3	[kA]		–	–	–
		1200	32, 63, 125	4	[kA]				
IEC/EN 60898-1									
Rated short-circuit capacity I_{cn}		U_e	I_e	Pole					
	AC	230/400	10 … 125	1 … 4	[kA]				
		240/415	10 … 80	1 … 4	[kA]	25	–	–	–
IEC/EN 60898-1		U_e	I_e	Pole					
Service short-circuit capacity I_{cs}	AC	230/400	10 … 125	1 …. 4					
		240/415	10 … 80	1 … 4	[kA]	12.5	–	–	–
UL 489									
Short-circuit breaking capacity		U_e	I_e	Pole					
	AC	240	10 … 100	1	[kA]				
		240	10 … 100	2 … 4	[kA]				
Standards							IEC 60947-2		
						EN/IEC 60898-1	–	–	–

*1 adjustable rated residual operating current
*2 Characteristic B, C, D
*3 I_n of 10 … 125 A
*4 I_n of 20 … 80 A
*5 Characteristic B and C 10 … 125 A
Characteristic D 10 … 100 A

	S800N	S800C	S800U	S800PV		
	B, C, D	B, C, D, K	K, Z	S	S	M
[kA]						1.5
[kA]						1.5
[kA]						1.5
[kA]		15[*2]				
[kA]	20					
		7.5[*2]				
[kA]	10					
[kA]			30			
[kA]			50			
	IEC 60947-2 EN/IEC 60898-1	IEC 60947-2 EN/IEC 60898-1[*5]	IEC 60947-2 UL 489 CSA22.2 NO.5-02	IEC 60947-2	IEC 60947-2	IEC 60947-3

Overview S500

Series						S500
Characteristics						K[1]
Rated current I_n					[A]	0.1 … 45
Rated operational voltage U_e	**AC**	(50/60 Hz)			[V]	400/690
	DC	per pole			[V]	
IEC 60947-2						
Rated ultimate short-circuit breaking capacity I_{cu}		U_e	I_e	Pole		
	AC	230/400	0.1 … 3	1 … 3	[kA]	100
		230/400	2.8 … 11	1 … 3	[kA]	50
		230/400	10 … 45	1 … 3	[kA]	30
		250/440	0.1 … 3	1 … 3	[kA]	100
		250/440	2.8 … 11	1 … 3	[kA]	30
		250/440	10 … 45	1 … 3	[kA]	25
		3x 500	0.1 … 3	1 … 3	[kA]	100
		3x 500	2.8 … 11	1 … 3	[kA]	20
		3x 500	10 … 45	1 … 3	[kA]	15
		400/690	0.1 … 3	1 … 3	[kA]	100
		400/690	2.8 … 11	1 … 3	[kA]	6
		400/690	10 … 45	1 … 3	[kA]	6
		400/690	0.8 … 63	3	[kA]	
		580/1000	1 … 45	1 … 3	[kA]	
	DC	250 L/R 15 ms	0.1 … 45	1	[kA]	
		500 L/R 15 ms	0.1 … 45	2	[kA]	
		750 L/R 15 ms	0.1 … 45	3 … 4	[kA]	
Rated service short-circuit breaking capacity I_{cs}	**AC**	230/400	0.1 … 3	1 … 3	[kA]	100
		230/400	2.8 … 11	1 … 3	[kA]	30
		230/400	10 … 45	1 … 3	[kA]	25
		250/440	0.1 … 3	1 … 3	[kA]	100
		250/440	2.8 … 11	1 … 3	[kA]	22
		250/440	10 … 45	1 … 3	[kA]	22
		3 x 500	0.1 … 3	1 … 3	[kA]	100
		3 x 500	2.8 … 11	1 … 3	[kA]	15
		3 x 500	10 … 45	1 … 3	[kA]	11
		400/690	0.1 … 3	1 … 3	[kA]	100
		400/690	2.8 … 11	1 … 3	[kA]	3
		400/690	10 … 45	1 … 3	[kA]	3
		400/690	0.8 … 63	3	[kA]	
		580/1000	1 … 45	1 … 3	[kA]	
UL1077 and CSA C22.2						
Rated short-circuit breaking capacity		U_e	I_e	Pole		
	AC	240/415	≤ 25	1 … 3	[kA]	30
		240/415	> 25 … 45	1 … 3	[kA]	18
		277/480	0.1 … 45	1 … 3	[kA]	14
		346/600	0.1 … 45	1 … 3	[kA]	6
	DC	500		4	[kA]	
		250 L/R 15ms	0.1 … 45	1	[kA]	
		500 L/R 15ms	0.1 … 45	2	[kA]	
		750 L/R 15ms	0.1 … 45	3 … 4	[kA]	
Standards						IEC 60947-2 UL 1077 CAN/CSA-C22.2 No. 35

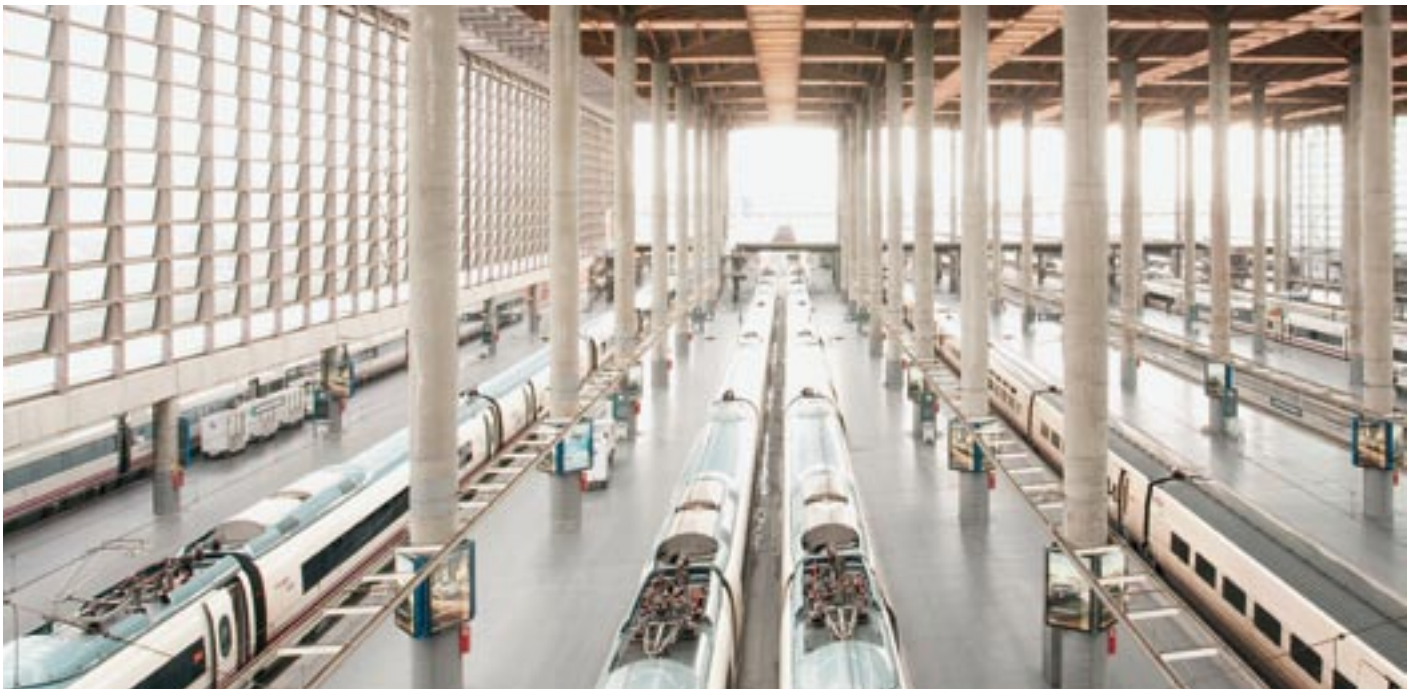
	S500UC	S500HV	S500X	S503X
	K*1	K	AG1499*1	AG0084
[A]	0.1 … 45	1 … 45	0.1 … 45	0.8 … 63
[V]		580/1000	400/690	400/690
[V]	250 max. 750 VDC			
[kA]			100	
[kA]			50	
[kA]			30	
[kA]			100	
[kA]			30	
[kA]			25	
[kA]			100	
[kA]			20	
[kA]			15	
[kA]			100	
[kA]			6	
[kA]			6	
[kA]				50
[kA]		1.5		
[kA]	30			
[kA]	30			
[kA]	30			
[kA]			100	
[kA]			30	
[kA]			25	
[kA]			100	
[kA]			22	
[kA]			22	
[kA]			100	
[kA]			15	
[kA]			11	
[kA]			100	
[kA]			3	
[kA]			3	
[kA]				25
[kA]		1.5		
[kA]	–		30	
[kA]	–		18	
[kA]			14	
[kA]			6	
[kA]				
[kA]	30			
[kA]	30			
[kA]	30			
	IEC 60947-2 UL 1077 CAN/CSA- C22.2 No. 35	IEC 60947-2, UL 1077 CAN/CSA- C22.2 No. 35	IEC 60947-2 SEMKO	IEC 60947-2 UL 1077 CAN/CSA- C22.2 No. 35

Applications

The range of applications of the S800 and S500 high performance circuit breakers is extremely varied: from building installations, transport and renewable energies to an uninterrupted power supply. The S800 and S500 high performance circuit breakers are reliable switches: rated ultimate short-circuit breaking capacity up to 100 kA, adjustable or fixed rated tripping current, current rating up to 125 A, the most varied of characteristics and much more.

The S800 and S500 are flexible, yet at the same time meet the highest safety requirements. See the variety for yourself!

Building installation



Transport

Industry

Renewable energy

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S800S-B Characteristic B

I_{cu} = 50 kA; with interchangeable cage terminal

2CCC413001F0002

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 7612271	Weight [kg]	Pack. unit
50	6	S801S-B6	2CCS861001R0065	408107	0.24	1
50	10	S801S-B10	2CCS861001R0105	200008	0.24	1
50	13	S801S-B13	2CCS861001R0135	200015	0.24	1
50	16	S801S-B16	2CCS861001R0165	200022	0.24	1
50	20	S801S-B20	2CCS861001R0205	200039	0.24	1
50	25	S801S-B25	2CCS861001R0255	200046	0.24	1
50	32	S801S-B32	2CCS861001R0325	200053	0.24	1
50	40	S801S-B40	2CCS861001R0405	200060	0.24	1
50	50	S801S-B50	2CCS861001R0505	200077	0.24	1
50	63	S801S-B63	2CCS861001R0635	200084	0.24	1
50	80	S801S-B80	2CCS861001R0805	200091	0.24	1
50	100	S801S-B100	2CCS861001R0825	200107	0.24	1
50	125	S801S-B125	2CCS861001R0845	200114	0.24	1

2CCC413002F0002

50	6	S802S-B6	2CCS862001R0065	408114	0.49	1
50	10	S802S-B10	2CCS862001R0105	200121	0.49	1
50	13	S802S-B13	2CCS862001R0135	200138	0.49	1
50	16	S802S-B16	2CCS862001R0165	200145	0.49	1
50	20	S802S-B20	2CCS862001R0205	200152	0.49	1
50	25	S802S-B25	2CCS862001R0255	200169	0.49	1
50	32	S802S-B32	2CCS862001R0325	200176	0.49	1
50	40	S802S-B40	2CCS862001R0405	200183	0.49	1
50	50	S802S-B50	2CCS862001R0505	200190	0.49	1
50	63	S802S-B63	2CCS862001R0635	200206	0.49	1
50	80	S802S-B80	2CCS862001R0805	200213	0.49	1
50	100	S802S-B100	2CCS862001R0825	200220	0.49	1
50	125	S802S-B125	2CCS862001R0845	200237	0.49	1

2CCC413003F0002

50	6	S803S-B6	2CCS863001R0065	408121	0.74	1
50	10	S803S-B10	2CCS863001R0105	200244	0.74	1
50	13	S803S-B13	2CCS863001R0135	200251	0.74	1
50	16	S803S-B16	2CCS863001R0165	200268	0.74	1
50	20	S803S-B20	2CCS863001R0205	200275	0.74	1
50	25	S803S-B25	2CCS863001R0255	200282	0.74	1
50	32	S803S-B32	2CCS863001R0325	200299	0.74	1
50	40	S803S-B40	2CCS863001R0405	200305	0.74	1
50	50	S803S-B50	2CCS863001R0505	200312	0.74	1
50	63	S803S-B63	2CCS863001R0635	200329	0.74	1
50	80	S803S-B80	2CCS863001R0805	200336	0.74	1
50	100	S803S-B100	2CCS863001R0825	200343	0.74	1
50	125	S803S-B125	2CCS863001R0845	200350	0.74	1

2CCC413004F0002

50	6	S804S-B6	2CCS864001R0065	408138	0.98	1
50	10	S804S-B10	2CCS864001R0105	200367	0.98	1
50	13	S804S-B13	2CCS864001R0135	200374	0.98	1
50	16	S804S-B16	2CCS864001R0165	200381	0.98	1
50	20	S804S-B20	2CCS864001R0205	200398	0.98	1
50	25	S804S-B25	2CCS864001R0255	200404	0.98	1
50	32	S804S-B32	2CCS864001R0325	200411	0.98	1
50	40	S804S-B40	2CCS864001R0405	200428	0.98	1
50	50	S804S-B50	2CCS864001R0505	200435	0.98	1
50	63	S804S-B63	2CCS864001R0635	200442	0.98	1
50	80	S804S-B80	2CCS864001R0805	200459	0.98	1
50	100	S804S-B100	2CCS864001R0825	200466	0.98	1
50	125	S804S-B125	2CCS864001R0845	200473	0.98	1

S800S-B Characteristic B

I_{cu} = 50 kA; with interchangeable ring terminal connection


2CCC413078F0003

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 7612271	Weight [kg]	Pack. unit
50	6	S801S-B6-R	2CCS861002R0065	408268	0.24	1
50	10	S801S-B10-R	2CCS861002R0105	209636	0.24	1
50	13	S801S-B13-R	2CCS861002R0135	209643	0.24	1
50	16	S801S-B16-R	2CCS861002R0165	209650	0.24	1
50	20	S801S-B20-R	2CCS861002R0205	209667	0.24	1
50	25	S801S-B25-R	2CCS861002R0255	209674	0.24	1
50	32	S801S-B32-R	2CCS861002R0325	209681	0.24	1
50	40	S801S-B40-R	2CCS861002R0405	206826	0.24	1
50	50	S801S-B50-R	2CCS861002R0505	206833	0.24	1
50	63	S801S-B63-R	2CCS861002R0635	206840	0.24	1
50	80	S801S-B80-R	2CCS861002R0805	206857	0.24	1
50	100	S801S-B100-R	2CCS861002R0825	206864	0.24	1
50	125	S801S-B125-R	2CCS861002R0845	206871	0.24	1


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50	6	S802S-B6-R	2CCS862002R0065	408275	0.49	1
50	10	S802S-B10-R	2CCS862002R0105	209698	0.49	1
50	13	S802S-B13-R	2CCS862002R0135	209704	0.49	1
50	16	S802S-B16-R	2CCS862002R0165	209711	0.49	1
50	20	S802S-B20-R	2CCS862002R0205	209728	0.49	1
50	25	S802S-B25-R	2CCS862002R0255	209735	0.49	1
50	32	S802S-B32-R	2CCS862002R0325	209742	0.49	1
50	40	S802S-B40-R	2CCS862002R0405	206888	0.49	1
50	50	S802S-B50-R	2CCS862002R0505	206895	0.49	1
50	63	S802S-B63-R	2CCS862002R0635	206901	0.49	1
50	80	S802S-B80-R	2CCS862002R0805	206918	0.49	1
50	100	S802S-B100-R	2CCS862002R0825	206925	0.49	1
50	125	S802S-B125-R	2CCS862002R0845	206932	0.49	1


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50	6	S803S-B6-R	2CCS863002R0065	408282	0.74	1
50	10	S803S-B10-R	2CCS863002R0105	209759	0.74	1
50	13	S803S-B13-R	2CCS863002R0135	209766	0.74	1
50	16	S803S-B16-R	2CCS863002R0165	209773	0.74	1
50	20	S803S-B20-R	2CCS863002R0205	209780	0.74	1
50	25	S803S-B25-R	2CCS863002R0255	209797	0.74	1
50	32	S803S-B32-R	2CCS863002R0325	209803	0.74	1
50	40	S803S-B40-R	2CCS863002R0405	206949	0.74	1
50	50	S803S-B50-R	2CCS863002R0505	206956	0.74	1
50	63	S803S-B63-R	2CCS863002R0635	206963	0.74	1
50	80	S803S-B80-R	2CCS863002R0805	206970	0.74	1
50	100	S803S-B100-R	2CCS863002R0825	206987	0.74	1
50	125	S803S-B125-R	2CCS863002R0845	206994	0.74	1


2CCC413081F0003

50	6	S804S-B6-R	2CCS864002R0065	408299	0.98	1
50	10	S804S-B10-R	2CCS864002R0105	209810	0.98	1
50	13	S804S-B13-R	2CCS864002R0135	209827	0.98	1
50	16	S804S-B16-R	2CCS864002R0165	209834	0.98	1
50	20	S804S-B20-R	2CCS864002R0205	209841	0.98	1
50	25	S804S-B25-R	2CCS864002R0255	209858	0.98	1
50	32	S804S-B32-R	2CCS864002R0325	209865	0.98	1
50	40	S804S-B40-R	2CCS864002R0405	207007	0.98	1
50	50	S804S-B50-R	2CCS864002R0505	207014	0.98	1
50	63	S804S-B63-R	2CCS864002R0635	207021	0.98	1
50	80	S804S-B80-R	2CCS864002R0805	207038	0.98	1
50	100	S804S-B100-R	2CCS864002R0825	207045	0.98	1
50	125	S804S-B125-R	2CCS864002R0845	207052	0.98	1

S800S-C Characteristic C

I_{cu} = 50 kA; with interchangeable cage terminal

2CCC413005F0002

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 7612271	Weight [kg]	Pack. unit
50	6	S801S-C6	2CCS861001R0064	408145	0.24	1
50	10	S801S-C10	2CCS861001R0104	200480	0.24	1
50	13	S801S-C13	2CCS861001R0134	200497	0.24	1
50	16	S801S-C16	2CCS861001R0164	200503	0.24	1
50	20	S801S-C20	2CCS861001R0204	200510	0.24	1
50	25	S801S-C25	2CCS861001R0254	200527	0.24	1
50	32	S801S-C32	2CCS861001R0324	200534	0.24	1
50	40	S801S-C40	2CCS861001R0404	200541	0.24	1
50	50	S801S-C50	2CCS861001R0504	200558	0.24	1
50	63	S801S-C63	2CCS861001R0634	200565	0.24	1
50	80	S801S-C80	2CCS861001R0804	200572	0.24	1
50	100	S801S-C100	2CCS861001R0824	200589	0.24	1
50	125	S801S-C125	2CCS861001R0844	200596	0.24	1

2CCC413006F0002

50	6	S802S-C6	2CCS862001R0064	408152	0.49	1
50	10	S802S-C10	2CCS862001R0104	200602	0.49	1
50	13	S802S-C13	2CCS862001R0134	200619	0.49	1
50	16	S802S-C16	2CCS862001R0164	200626	0.49	1
50	20	S802S-C20	2CCS862001R0204	200633	0.49	1
50	25	S802S-C25	2CCS862001R0254	200640	0.49	1
50	32	S802S-C32	2CCS862001R0324	200657	0.49	1
50	40	S802S-C40	2CCS862001R0404	200664	0.49	1
50	50	S802S-C50	2CCS862001R0504	200671	0.49	1
50	63	S802S-C63	2CCS862001R0634	200688	0.49	1
50	80	S802S-C80	2CCS862001R0804	200695	0.49	1
50	100	S802S-C100	2CCS862001R0824	200701	0.49	1
50	125	S802S-C125	2CCS862001R0844	200718	0.49	1

2CCC413007F0002

50	6	S803S-C6	2CCS863001R0064	408169	0.74	1
50	10	S803S-C10	2CCS863001R0104	200725	0.74	1
50	13	S803S-C13	2CCS863001R0134	200732	0.74	1
50	16	S803S-C16	2CCS863001R0164	200749	0.74	1
50	20	S803S-C20	2CCS863001R0204	200756	0.74	1
50	25	S803S-C25	2CCS863001R0254	200763	0.74	1
50	32	S803S-C32	2CCS863001R0324	200770	0.74	1
50	40	S803S-C40	2CCS863001R0404	200787	0.74	1
50	50	S803S-C50	2CCS863001R0504	200794	0.74	1
50	63	S803S-C63	2CCS863001R0634	200800	0.74	1
50	80	S803S-C80	2CCS863001R0804	200817	0.74	1
50	100	S803S-C100	2CCS863001R0824	200824	0.74	1
50	125	S803S-C125	2CCS863001R0844	200831	0.74	1

2CCC413008F0002

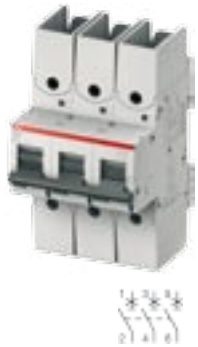
50	6	S804S-C6	2CCS864001R0064	408176	0.98	1
50	10	S804S-C10	2CCS864001R0104	200848	0.98	1
50	13	S804S-C13	2CCS864001R0134	200855	0.98	1
50	16	S804S-C16	2CCS864001R0164	200862	0.98	1
50	20	S804S-C20	2CCS864001R0204	200879	0.98	1
50	25	S804S-C25	2CCS864001R0254	200886	0.98	1
50	32	S804S-C32	2CCS864001R0324	200893	0.98	1
50	40	S804S-C40	2CCS864001R0404	200909	0.98	1
50	50	S804S-C50	2CCS864001R0504	200916	0.98	1
50	63	S804S-C63	2CCS864001R0634	200923	0.98	1
50	80	S804S-C80	2CCS864001R0804	200930	0.98	1
50	100	S804S-C100	2CCS864001R0824	200947	0.98	1
50	125	S804S-C125	2CCS864001R0844	200954	0.98	1

S800S-C Characteristic C

I_{cu} = 50 kA; with interchangeable ring terminal connection

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 7612271	Weight [kg]	Pack. unit
50	6	S801S-C6-R	2CCS861002R0064	408305	0.24	1
50	10	S801S-C10-R	2CCS861002R0104	209872	0.24	1
50	13	S801S-C13-R	2CCS861002R0134	209889	0.24	1
50	16	S801S-C16-R	2CCS861002R0164	209896	0.24	1
50	20	S801S-C20-R	2CCS861002R0204	209902	0.24	1
50	25	S801S-C25-R	2CCS861002R0254	209919	0.24	1
50	32	S801S-C32-R	2CCS861002R0324	209926	0.24	1
50	40	S801S-C40-R	2CCS861002R0404	207069	0.24	1
50	50	S801S-C50-R	2CCS861002R0504	207076	0.24	1
50	63	S801S-C63-R	2CCS861002R0634	207083	0.24	1
50	80	S801S-C80-R	2CCS861002R0804	207090	0.24	1
50	100	S801S-C100-R	2CCS861002R0824	207106	0.24	1
50	125	S801S-C125-R	2CCS861002R0844	207113	0.24	1

50	6	S802S-C6-R	2CCS862002R0064	408312	0.49	1
50	10	S802S-C10-R	2CCS862002R0104	209933	0.49	1
50	13	S802S-C13-R	2CCS862002R0134	209940	0.49	1
50	16	S802S-C16-R	2CCS862002R0164	209957	0.49	1
50	20	S802S-C20-R	2CCS862002R0204	209964	0.49	1
50	25	S802S-C25-R	2CCS862002R0254	209971	0.49	1
50	32	S802S-C32-R	2CCS862002R0324	209988	0.49	1
50	40	S802S-C40-R	2CCS862002R0404	207120	0.49	1
50	50	S802S-C50-R	2CCS862002R0504	207137	0.49	1
50	63	S802S-C63-R	2CCS862002R0634	207144	0.49	1
50	80	S802S-C80-R	2CCS862002R0804	207151	0.49	1
50	100	S802S-C100-R	2CCS862002R0824	207168	0.49	1
50	125	S802S-C125-R	2CCS862002R0844	207175	0.49	1



50	6	S803S-C6-R	2CCS863002R0064	408329	0.74	1
50	10	S803S-C10-R	2CCS863002R0104	209995	0.74	1
50	13	S803S-C13-R	2CCS863002R0134	210007	0.74	1
50	16	S803S-C16-R	2CCS863002R0164	210014	0.74	1
50	20	S803S-C20-R	2CCS863002R0204	210021	0.74	1
50	25	S803S-C25-R	2CCS863002R0254	210038	0.74	1
50	32	S803S-C32-R	2CCS863002R0324	210045	0.74	1
50	40	S803S-C40-R	2CCS863002R0404	207182	0.74	1
50	50	S803S-C50-R	2CCS863002R0504	207199	0.74	1
50	63	S803S-C63-R	2CCS863002R0634	207205	0.74	1
50	80	S803S-C80-R	2CCS863002R0804	207212	0.74	1
50	100	S803S-C100-R	2CCS863002R0824	207229	0.74	1
50	125	S803S-C125-R	2CCS863002R0844	207236	0.74	1

50	6	S804S-C6-R	2CCS864002R0064	408336	0.98	1
50	10	S804S-C10-R	2CCS864002R0104	210052	0.98	1
50	13	S804S-C13-R	2CCS864002R0134	210069	0.98	1
50	16	S804S-C16-R	2CCS864002R0164	210076	0.98	1
50	20	S804S-C20-R	2CCS864002R0204	210083	0.98	1
50	25	S804S-C25-R	2CCS864002R0254	210090	0.98	1
50	32	S804S-C32-R	2CCS864002R0324	210106	0.98	1
50	40	S804S-C40-R	2CCS864002R0404	207243	0.98	1
50	50	S804S-C50-R	2CCS864002R0504	207250	0.98	1
50	63	S804S-C63-R	2CCS864002R0634	207267	0.98	1
50	80	S804S-C80-R	2CCS864002R0804	207274	0.98	1
50	100	S804S-C100-R	2CCS864002R0824	207281	0.98	1
50	125	S804S-C125-R	2CCS864002R0844	207298	0.98	1

S800S-D Characteristic D

I_{cu} = 50 kA; with interchangeable cage terminal

2CCC413009F0002

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 7612271	Weight [kg]	Pack. unit
50	6	S801S-D6	2CCS861001R0061	408183	0.24	1
50	10	S801S-D10	2CCS861001R0101	200961	0.24	1
50	13	S801S-D13	2CCS861001R0131	200978	0.24	1
50	16	S801S-D16	2CCS861001R0161	200985	0.24	1
50	20	S801S-D20	2CCS861001R0201	200992	0.24	1
50	25	S801S-D25	2CCS861001R0251	201005	0.24	1
50	32	S801S-D32	2CCS861001R0321	201012	0.24	1
50	40	S801S-D40	2CCS861001R0401	201029	0.24	1
50	50	S801S-D50	2CCS861001R0501	201036	0.24	1
50	63	S801S-D63	2CCS861001R0631	201043	0.24	1
50	80	S801S-D80	2CCS861001R0801	201050	0.24	1
50	100	S801S-D100	2CCS861001R0821	201067	0.24	1
50	125	S801S-D125	2CCS861001R0841	201074	0.24	1

2CCC413010F0002

50	6	S802S-D6	2CCS862001R0061	408190	0.49	1
50	10	S802S-D10	2CCS862001R0101	201081	0.49	1
50	13	S802S-D13	2CCS862001R0131	201098	0.49	1
50	16	S802S-D16	2CCS862001R0161	201104	0.49	1
50	20	S802S-D20	2CCS862001R0201	201111	0.49	1
50	25	S802S-D25	2CCS862001R0251	201128	0.49	1
50	32	S802S-D32	2CCS862001R0321	201135	0.49	1
50	40	S802S-D40	2CCS862001R0401	201142	0.49	1
50	50	S802S-D50	2CCS862001R0501	201159	0.49	1
50	63	S802S-D63	2CCS862001R0631	201166	0.49	1
50	80	S802S-D80	2CCS862001R0801	201173	0.49	1
50	100	S802S-D100	2CCS862001R0821	201180	0.49	1
50	125	S802S-D125	2CCS862001R0841	201197	0.49	1

2CCC413011F0002

50	6	S803S-D6	2CCS863001R0061	408206	0.74	1
50	10	S803S-D10	2CCS863001R0101	201203	0.74	1
50	13	S803S-D13	2CCS863001R0131	201210	0.74	1
50	16	S803S-D16	2CCS863001R0161	201227	0.74	1
50	20	S803S-D20	2CCS863001R0201	201234	0.74	1
50	25	S803S-D25	2CCS863001R0251	201241	0.74	1
50	32	S803S-D32	2CCS863001R0321	201258	0.74	1
50	40	S803S-D40	2CCS863001R0401	201265	0.74	1
50	50	S803S-D50	2CCS863001R0501	201272	0.74	1
50	63	S803S-D63	2CCS863001R0631	201289	0.74	1
50	80	S803S-D80	2CCS863001R0801	201296	0.74	1
50	100	S803S-D100	2CCS863001R0821	201302	0.74	1
50	125	S803S-D125	2CCS863001R0841	201319	0.74	1

2CCC413012F0002

50	6	S804S-D6	2CCS864001R0061	408213	0.98	1
50	10	S804S-D10	2CCS864001R0101	201326	0.98	1
50	13	S804S-D13	2CCS864001R0131	201333	0.98	1
50	16	S804S-D16	2CCS864001R0161	201340	0.98	1
50	20	S804S-D20	2CCS864001R0201	201357	0.98	1
50	25	S804S-D25	2CCS864001R0251	201364	0.98	1
50	32	S804S-D32	2CCS864001R0321	201371	0.98	1
50	40	S804S-D40	2CCS864001R0401	201388	0.98	1
50	50	S804S-D50	2CCS864001R0501	201395	0.98	1
50	63	S804S-D63	2CCS864001R0631	201401	0.98	1
50	80	S804S-D80	2CCS864001R0801	201418	0.98	1
50	100	S804S-D100	2CCS864001R0821	201425	0.98	1
50	125	S804S-D125	2CCS864001R0841	201432	0.98	1

S800S-D Characteristic D

I_{cu} = 50 kA; with interchangeable ring terminal connection


2CCC413086F0003

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 7612271	Weight [kg]	Pack. unit
50	6	S801S-D6-R	2CCS861002R0061	408343	0.24	1
50	10	S801S-D10-R	2CCS861002R0101	210113	0.24	1
50	13	S801S-D13-R	2CCS861002R0131	210120	0.24	1
50	16	S801S-D16-R	2CCS861002R0161	210137	0.24	1
50	20	S801S-D20-R	2CCS861002R0201	210144	0.24	1
50	25	S801S-D25-R	2CCS861002R0251	210151	0.24	1
50	32	S801S-D32-R	2CCS861002R0321	210168	0.24	1
50	40	S801S-D40-R	2CCS861002R0401	207304	0.24	1
50	50	S801S-D50-R	2CCS861002R0501	207311	0.24	1
50	63	S801S-D63-R	2CCS861002R0631	207328	0.24	1
50	80	S801S-D80-R	2CCS861002R0801	207335	0.24	1
50	100	S801S-D100-R	2CCS861002R0821	207342	0.24	1
50	125	S801S-D125-R	2CCS861002R0841	207359	0.24	1
50	6	S802S-D6-R	2CCS862002R0061	408350	0.49	1
50	10	S802S-D10-R	2CCS862002R0101	210175	0.49	1
50	13	S802S-D13-R	2CCS862002R0131	210182	0.49	1
50	16	S802S-D16-R	2CCS862002R0161	210199	0.49	1
50	20	S802S-D20-R	2CCS862002R0201	210205	0.49	1
50	25	S802S-D25-R	2CCS862002R0251	210212	0.49	1
50	32	S802S-D32-R	2CCS862002R0321	210229	0.49	1
50	40	S802S-D40-R	2CCS862002R0401	207366	0.49	1
50	50	S802S-D50-R	2CCS862002R0501	207373	0.49	1
50	63	S802S-D63-R	2CCS862002R0631	207380	0.49	1
50	80	S802S-D80-R	2CCS862002R0801	207397	0.49	1
50	100	S802S-D100-R	2CCS862002R0821	207403	0.49	1
50	125	S802S-D125-R	2CCS862002R0841	207410	0.49	1
50	6	S803S-D6-R	2CCS863002R0061	408367	0.74	1
50	10	S803S-D10-R	2CCS863002R0101	210236	0.74	1
50	13	S803S-D13-R	2CCS863002R0131	210243	0.74	1
50	16	S803S-D16-R	2CCS863002R0161	210250	0.74	1
50	20	S803S-D20-R	2CCS863002R0201	210267	0.74	1
50	25	S803S-D25-R	2CCS863002R0251	210274	0.74	1
50	32	S803S-D32-R	2CCS863002R0321	210281	0.74	1
50	40	S803S-D40-R	2CCS863002R0401	207427	0.74	1
50	50	S803S-D50-R	2CCS863002R0501	207434	0.74	1
50	63	S803S-D63-R	2CCS863002R0631	207441	0.74	1
50	80	S803S-D80-R	2CCS863002R0801	207458	0.74	1
50	100	S803S-D100-R	2CCS863002R0821	207465	0.74	1
50	125	S803S-D125-R	2CCS863002R0841	207472	0.74	1
50	6	S804S-D6-R	2CCS864002R0061	408374	0.98	1
50	10	S804S-D10-R	2CCS864002R0101	210298	0.98	1
50	13	S804S-D13-R	2CCS864002R0131	210304	0.98	1
50	16	S804S-D16-R	2CCS864002R0161	210311	0.98	1
50	20	S804S-D20-R	2CCS864002R0201	210328	0.98	1
50	25	S804S-D25-R	2CCS864002R0251	210335	0.98	1
50	32	S804S-D32-R	2CCS864002R0321	210342	0.98	1
50	40	S804S-D40-R	2CCS864002R0401	207489	0.98	1
50	50	S804S-D50-R	2CCS864002R0501	207496	0.98	1
50	63	S804S-D63-R	2CCS864002R0631	207502	0.98	1
50	80	S804S-D80-R	2CCS864002R0801	207519	0.98	1
50	100	S804S-D100-R	2CCS864002R0821	207526	0.98	1
50	125	S804S-D125-R	2CCS864002R0841	207533	0.98	1


2CCC413087F0003


2CCC413088F0003


2CCC413089F0003

S800S-K Characteristic K

I_{cu} = 50 kA; with interchangeable cage terminal


2CCC413013F0001

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 7612271	Weight [kg]	Pack. unit
50	6	S801S-K6	2CCS861001R0067	408220	0.24	1
50	10	S801S-K10	2CCS861001R0427	201449	0.24	1
50	13	S801S-K13	2CCS861001R0447	201456	0.24	1
50	16	S801S-K16	2CCS861001R0467	201463	0.24	1
50	20	S801S-K20	2CCS861001R0487	201470	0.24	1
50	25	S801S-K25	2CCS861001R0517	201487	0.24	1
50	32	S801S-K32	2CCS861001R0537	201494	0.24	1
50	40	S801S-K40	2CCS861001R0557	201500	0.24	1
50	50	S801S-K50	2CCS861001R0577	201517	0.24	1
50	63	S801S-K63	2CCS861001R0597	201524	0.24	1
50	80	S801S-K80	2CCS861001R0627	201531	0.24	1
50	100	S801S-K100	2CCS861001R0637	201548	0.24	1
50	125	S801S-K125	2CCS861001R0647	201555	0.24	1


2CCC413014F0001

50	6	S802S-K6	2CCS862001R0067	408237	0.49	1
50	10	S802S-K10	2CCS862001R0427	201562	0.49	1
50	13	S802S-K13	2CCS862001R0447	201579	0.49	1
50	16	S802S-K16	2CCS862001R0467	201586	0.49	1
50	20	S802S-K20	2CCS862001R0487	201593	0.49	1
50	25	S802S-K25	2CCS862001R0517	201609	0.49	1
50	32	S802S-K32	2CCS862001R0537	201616	0.49	1
50	40	S802S-K40	2CCS862001R0557	201623	0.49	1
50	50	S802S-K50	2CCS862001R0577	201630	0.49	1
50	63	S802S-K63	2CCS862001R0597	201647	0.49	1
50	80	S802S-K80	2CCS862001R0627	201654	0.49	1
50	100	S802S-K100	2CCS862001R0637	201661	0.49	1
50	125	S802S-K125	2CCS862001R0647	201678	0.49	1


2CCC413015F0001

50	6	S803S-K6	2CCS863001R0067	408244	0.74	1
50	10	S803S-K10	2CCS863001R0427	201685	0.74	1
50	13	S803S-K13	2CCS863001R0447	201692	0.74	1
50	16	S803S-K16	2CCS863001R0467	201708	0.74	1
50	20	S803S-K20	2CCS863001R0487	201715	0.74	1
50	25	S803S-K25	2CCS863001R0517	201722	0.74	1
50	32	S803S-K32	2CCS863001R0537	201739	0.74	1
50	40	S803S-K40	2CCS863001R0557	201746	0.74	1
50	50	S803S-K50	2CCS863001R0577	201753	0.74	1
50	63	aS803S-K63	2CCS863001R0597	201760	0.74	1
50	80	S803S-K80	2CCS863001R0627	201777	0.74	1
50	100	S803S-K100	2CCS863001R0637	201784	0.74	1
50	125	S803S-K125	2CCS863001R0647	201791	0.74	1


2CCC413016F0001

50	6	S804S-K6	2CCS864001R0067	408251	0.98	1
50	10	S804S-K10	2CCS864001R0427	201807	0.98	1
50	13	S804S-K13	2CCS864001R0447	201814	0.98	1
50	16	S804S-K16	2CCS864001R0467	201821	0.98	1
50	20	S804S-K20	2CCS864001R0487	201838	0.98	1
50	25	S804S-K25	2CCS864001R0517	201845	0.98	1
50	32	S804S-K32	2CCS864001R0537	201852	0.98	1
50	40	S804S-K40	2CCS864001R0557	201869	0.98	1
50	50	S804S-K50	2CCS864001R0577	201876	0.98	1
50	63	S804S-K63	2CCS864001R0597	201883	0.98	1
50	80	S804S-K80	2CCS864001R0627	201890	0.98	1
50	100	S804S-K100	2CCS864001R0637	201906	0.98	1
50	125	S804S-K125	2CCS864001R0647	201913	0.98	1

S800S-K Characteristic K

I_{cu} = 50 kA; with interchangeable ring terminal connection

2CCC413090F0003

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 7612271	Weight [kg]	Pack. unit
50	6	S801S-K6-R	2CCS861002R0067	408381	0.24	1
50	10	S801S-K10-R	2CCS861002R0427	209391	0.24	1
50	13	S801S-K13-R	2CCS861002R0447	209407	0.24	1
50	16	S801S-K16-R	2CCS861002R0467	209414	0.24	1
50	20	S801S-K20-R	2CCS861002R0487	209421	0.24	1
50	25	S801S-K25-R	2CCS861002R0517	209438	0.24	1
50	32	S801S-K32-R	2CCS861002R0537	209445	0.24	1
50	40	S801S-K40-R	2CCS861002R0557	207540	0.24	1
50	50	S801S-K50-R	2CCS861002R0577	207557	0.24	1
50	63	S801S-K63-R	2CCS861002R0597	207564	0.24	1
50	80	S801S-K80-R	2CCS861002R0627	207571	0.24	1
50	100	S801S-K100-R	2CCS861002R0637	207588	0.24	1
50	125	S801S-K125-R	2CCS861002R0647	207595	0.24	1

2CCC413091F0003

50	6	S802S-K6-R	2CCS862002R0067	408398	0.49	1
50	10	S802S-K10-R	2CCS862002R0427	209452	0.49	1
50	13	S802S-K13-R	2CCS862002R0447	209469	0.49	1
50	16	S802S-K16-R	2CCS862002R0467	209476	0.49	1
50	20	S802S-K20-R	2CCS862002R0487	209483	0.49	1
50	25	S802S-K25-R	2CCS862002R0517	209490	0.49	1
50	32	S802S-K32-R	2CCS862002R0537	209506	0.49	1
50	40	S802S-K40-R	2CCS862002R0557	207601	0.49	1
50	50	S802S-K50-R	2CCS862002R0577	207618	0.49	1
50	63	S802S-K63-R	2CCS862002R0597	207625	0.49	1
50	80	S802S-K80-R	2CCS862002R0627	207632	0.49	1
50	100	S802S-K100-R	2CCS862002R0637	207649	0.49	1
50	125	S802S-K125-R	2CCS862002R0647	207656	0.49	1

2CCC413092F0003

50	6	S803S-K6-R	2CCS863002R0067	408404	0.74	1
50	10	S803S-K10-R	2CCS863002R0427	209513	0.74	1
50	13	S803S-K13-R	2CCS863002R0447	209520	0.74	1
50	16	S803S-K16-R	2CCS863002R0467	209537	0.74	1
50	20	S803S-K20-R	2CCS863002R0487	209544	0.74	1
50	25	S803S-K25-R	2CCS863002R0517	209551	0.74	1
50	32	S803S-K32-R	2CCS863002R0537	209568	0.74	1
50	40	S803S-K40-R	2CCS863002R0557	207663	0.74	1
50	50	S803S-K50-R	2CCS863002R0577	207670	0.74	1
50	63	S803S-K63-R	2CCS863002R0597	207687	0.74	1
50	80	S803S-K80-R	2CCS863002R0627	207694	0.74	1
50	100	S803S-K100-R	2CCS863002R0637	207700	0.74	1
50	125	S803S-K125-R	2CCS863002R0647	207717	0.74	1

2CCC413093F0003

50	6	S804S-K6-R	2CCS864002R0067	408411	0.98	1
50	10	S804S-K10-R	2CCS864002R0427	209575	0.98	1
50	13	S804S-K13-R	2CCS864002R0447	209582	0.98	1
50	16	S804S-K16-R	2CCS864002R0467	209599	0.98	1
50	20	S804S-K20-R	2CCS864002R0487	209605	0.98	1
50	25	S804S-K25-R	2CCS864002R0517	209612	0.98	1
50	32	S804S-K32-R	2CCS864002R0537	209629	0.98	1
50	40	S804S-K40-R	2CCS864002R0557	207724	0.98	1
50	50	S804S-K50-R	2CCS864002R0577	207731	0.98	1
50	63	S804S-K63-R	2CCS864002R0597	207748	0.98	1
50	80	S804S-K80-R	2CCS864002R0627	207755	0.98	1
50	100	S804S-K100-R	2CCS864002R0637	207762	0.98	1
50	125	S804S-K125-R	2CCS864002R0647	207779	0.98	1

S800S-KM Characteristic K*

I_{cu} = 50 kA; with interchangeable cage terminal

2CCC413017F0001

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
50	20	S803S-KM20	2CCS863001R0486	02194	0.74	1
50	25	S803S-KM25	2CCS863001R0516	02200	0.74	1
50	32	S803S-KM32	2CCS863001R0536	02217	0.74	1
50	40	S803S-KM40	2CCS863001R0556	02224	0.74	1
50	50	S803S-KM50	2CCS863001R0576	02231	0.74	1
50	63	S803S-KM63	2CCS863001R0596	02248	0.74	1
50	80	S803S-KM80	2CCS863001R0626	02255	0.74	1

*M stands for magnetic release

S800S-KM Characteristic K*

I_{cu} = 50 kA; with interchangeable ring terminal connection

2CCC413018F0001

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
50	20	S803S-KM20-R	2CCS863002R0486	10830	0.74	1
50	25	S803S-KM25-R	2CCS863002R0516	10847	0.74	1
50	32	S803S-KM32-R	2CCS863002R0536	10854	0.74	1
50	40	S803S-KM40-R	2CCS863002R0556	07786	0.74	1
50	50	S803S-KM50-R	2CCS863002R0576	07793	0.74	1
50	63	S803S-KM63-R	2CCS863002R0596	07809	0.74	1
50	80	S803S-KM80-R	2CCS863002R0626	07816	0.74	1

*M stands for magnetic release

S800S-UCB Characteristic B*

I_{cu} = 50 kA; with interchangeable cage terminal

2CCC413223F0001

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
50	10	S801S-UCB10	2CCS861001R1105	02842	0.24	1
50	13	S801S-UCB13	2CCS861001R1135	02859	0.24	1
50	16	S801S-UCB16	2CCS861001R1165	02866	0.24	1
50	20	S801S-UCB20	2CCS861001R1205	02873	0.24	1
50	25	S801S-UCB25	2CCS861001R1255	02880	0.24	1
50	32	S801S-UCB32	2CCS861001R1325	02897	0.24	1
50	40	S801S-UCB40	2CCS861001R1405	02903	0.24	1
50	50	S801S-UCB50	2CCS861001R1505	02910	0.24	1
50	63	S801S-UCB63	2CCS861001R1635	02927	0.24	1
50	80	S801S-UCB80	2CCS861001R1805	02934	0.24	1
50	100	S801S-UCB100	2CCS861001R1825	02941	0.24	1
50	125	S801S-UCB125	2CCS861001R1845	02958	0.24	1

2CCC413224F0001

50	10	S802S-UCB10	2CCS862001R1105	02965	0.49	1
50	13	S802S-UCB13	2CCS862001R1135	02972	0.49	1
50	16	S802S-UCB16	2CCS862001R1165	02989	0.49	1
50	20	S802S-UCB20	2CCS862001R1205	02996	0.49	1
50	25	S802S-UCB25	2CCS862001R1255	03009	0.49	1
50	32	S802S-UCB32	2CCS862001R1325	03016	0.49	1
50	40	S802S-UCB40	2CCS862001R1405	03023	0.49	1
50	50	S802S-UCB50	2CCS862001R1505	03030	0.49	1
50	63	S802S-UCB63	2CCS862001R1635	03047	0.49	1
50	80	S802S-UCB80	2CCS862001R1805	03054	0.49	1
50	100	S802S-UCB100	2CCS862001R1825	03061	0.49	1
50	125	S802S-UCB125	2CCS862001R1845	03078	0.49	1

2CCC413225F0001

50	10	S803S-UCB10	2CCS863001R1105	03085	0.74	1
50	13	S803S-UCB13	2CCS863001R1135	03092	0.74	1
50	16	S803S-UCB16	2CCS863001R1165	03108	0.74	1
50	20	S803S-UCB20	2CCS863001R1205	03115	0.74	1
50	25	S803S-UCB25	2CCS863001R1255	03122	0.74	1
50	32	S803S-UCB32	2CCS863001R1325	03139	0.74	1
50	40	S803S-UCB40	2CCS863001R1405	03146	0.74	1
50	50	S803S-UCB50	2CCS863001R1505	03153	0.74	1
50	63	S803S-UCB63	2CCS863001R1635	03160	0.74	1
50	80	S803S-UCB80	2CCS863001R1805	03177	0.74	1
50	100	S803S-UCB100	2CCS863001R1825	03184	0.74	1
50	125	S803S-UCB125	2CCS863001R1845	03191	0.74	1

2CCC413226F0001

50	10	S804S-UCB10	2CCS864001R1105	03207	0.98	1
50	13	S804S-UCB13	2CCS864001R1135	03214	0.98	1
50	16	S804S-UCB16	2CCS864001R1165	03221	0.98	1
50	20	S804S-UCB20	2CCS864001R1205	03238	0.98	1
50	25	S804S-UCB25	2CCS864001R1255	03245	0.98	1
50	32	S804S-UCB32	2CCS864001R1325	03252	0.98	1
50	40	S804S-UCB40	2CCS864001R1405	03269	0.98	1
50	50	S804S-UCB50	2CCS864001R1505	03276	0.98	1
50	63	S804S-UCB63	2CCS864001R1635	03283	0.98	1
50	80	S804S-UCB80	2CCS864001R1805	03290	0.98	1
50	100	S804S-UCB100	2CCS864001R1825	03306	0.98	1
50	125	S804S-UCB125	2CCS864001R1845	03313	0.98	1

*For DC applications

S800S-UCB Characteristic B*

I_{cu} = 50 kA; with interchangeable ring terminal connection

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
50	10	S801S-UCB10-R	2CCS861002R1105	10359	0.24	1
50	13	S801S-UCB13-R	2CCS861002R1135	10366	0.24	1
50	16	S801S-UCB16-R	2CCS861002R1165	10373	0.24	1
50	20	S801S-UCB20-R	2CCS861002R1205	10380	0.24	1
50	25	S801S-UCB25-R	2CCS861002R1255	10397	0.24	1
50	32	S801S-UCB32-R	2CCS861002R1325	10403	0.24	1
50	40	S801S-UCB40-R	2CCS861002R1405	08424	0.24	1
50	50	S801S-UCB50-R	2CCS861002R1505	08431	0.24	1
50	63	S801S-UCB63-R	2CCS861002R1635	08448	0.24	1
50	80	S801S-UCB80-R	2CCS861002R1805	08455	0.24	1
50	100	S801S-UCB100-R	2CCS861002R1825	08462	0.24	1
50	125	S801S-UCB125-R	2CCS861002R1845	08479	0.24	1

50	10	S802S-UCB10-R	2CCS862002R1105	10410	0.49	1
50	13	S802S-UCB13-R	2CCS862002R1135	10427	0.49	1
50	16	S802S-UCB16-R	2CCS862002R1165	10434	0.49	1
50	20	S802S-UCB20-R	2CCS862002R1205	10441	0.49	1
50	25	S802S-UCB25-R	2CCS862002R1255	10458	0.49	1
50	32	S802S-UCB32-R	2CCS862002R1325	10465	0.49	1
50	40	S802S-UCB40-R	2CCS862002R1405	08486	0.49	1
50	50	S802S-UCB50-R	2CCS862002R1505	08493	0.49	1
50	63	S802S-UCB63-R	2CCS862002R1635	08509	0.49	1
50	80	S802S-UCB80-R	2CCS862002R1805	08516	0.49	1
50	100	S802S-UCB100-R	2CCS862002R1825	08523	0.49	1
50	125	S802S-UCB125-R	2CCS862002R1845	08530	0.49	1

50	10	S803S-UCB10-R	2CCS863002R1105	10472	0.74	1
50	13	S803S-UCB13-R	2CCS863002R1135	10489	0.74	1
50	16	S803S-UCB16-R	2CCS863002R1165	10496	0.74	1
50	20	S803S-UCB20-R	2CCS863002R1205	10502	0.74	1
50	25	S803S-UCB25-R	2CCS863002R1255	10519	0.74	1
50	32	S803S-UCB32-R	2CCS863002R1325	10526	0.74	1
50	40	S803S-UCB40-R	2CCS863002R1405	08547	0.74	1
50	50	S803S-UCB50-R	2CCS863002R1505	08554	0.74	1
50	63	S803S-UCB63-R	2CCS863002R1635	08561	0.74	1
50	80	S803S-UCB80-R	2CCS863002R1805	08578	0.74	1
50	100	S803S-UCB100-R	2CCS863002R1825	08585	0.74	1
50	125	S803S-UCB125-R	2CCS863002R1845	08592	0.74	1

50	10	S804S-UCB10-R	2CCS864002R1105	10533	0.98	1
50	13	S804S-UCB13-R	2CCS864002R1135	10540	0.98	1
50	16	S804S-UCB16-R	2CCS864002R1165	10557	0.98	1
50	20	S804S-UCB20-R	2CCS864002R1205	10564	0.98	1
50	25	S804S-UCB25-R	2CCS864002R1255	10571	0.98	1
50	32	S804S-UCB32-R	2CCS864002R1325	10588	0.98	1
50	40	S804S-UCB40-R	2CCS864002R1405	08608	0.98	1
50	50	S804S-UCB50-R	2CCS864002R1505	08615	0.98	1
50	63	S804S-UCB63-R	2CCS864002R1635	08622	0.98	1
50	80	S804S-UCB80-R	2CCS864002R1805	08639	0.98	1
50	100	S804S-UCB100-R	2CCS864002R1825	08646	0.98	1
50	125	S804S-UCB125-R	2CCS864002R1845	08653	0.98	1

*For DC applications

S800S-UCK Characteristic K*

I_{cu} = 50 kA; with interchangeable cage terminal

2CCC413227F0001

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
50	10	S801S-UCK10	2CCS861001R1427	03320	0.24	1
50	13	S801S-UCK13	2CCS861001R1447	03337	0.24	1
50	16	S801S-UCK16	2CCS861001R1467	03344	0.24	1
50	20	S801S-UCK20	2CCS861001R1487	03351	0.24	1
50	25	S801S-UCK25	2CCS861001R1517	03368	0.24	1
50	32	S801S-UCK32	2CCS861001R1537	03375	0.24	1
50	40	S801S-UCK40	2CCS861001R1557	03382	0.24	1
50	50	S801S-UCK50	2CCS861001R1577	03399	0.24	1
50	63	S801S-UCK63	2CCS861001R1597	03405	0.24	1
50	80	S801S-UCK80	2CCS861001R1627	03412	0.24	1
50	100	S801S-UCK100	2CCS861001R1637	03429	0.24	1
50	125	S801S-UCK125	2CCS861001R1647	03436	0.24	1

2CCC413228F0001

50	10	S802S-UCK10	2CCS862001R1427	03443	0.49	1
50	13	S802S-UCK13	2CCS862001R1447	03450	0.49	1
50	16	S802S-UCK16	2CCS862001R1467	03467	0.49	1
50	20	S802S-UCK20	2CCS862001R1487	03474	0.49	1
50	25	S802S-UCK25	2CCS862001R1517	03481	0.49	1
50	32	S802S-UCK32	2CCS862001R1537	03498	0.49	1
50	40	S802S-UCK40	2CCS862001R1557	03504	0.49	1
50	50	S802S-UCK50	2CCS862001R1577	03511	0.49	1
50	63	S802S-UCK63	2CCS862001R1597	03528	0.49	1
50	80	S802S-UCK80	2CCS862001R1627	03535	0.49	1
50	100	S802S-UCK100	2CCS862001R1637	03542	0.49	1
50	125	S802S-UCK125	2CCS862001R1647	03559	0.49	1

2CCC413229F0001

50	10	S803S-UCK10	2CCS863001R1427	03566	0.74	1
50	13	S803S-UCK13	2CCS863001R1447	03573	0.74	1
50	16	S803S-UCK16	2CCS863001R1467	03580	0.74	1
50	20	S803S-UCK20	2CCS863001R1487	03597	0.74	1
50	25	S803S-UCK25	2CCS863001R1517	03603	0.74	1
50	32	S803S-UCK32	2CCS863001R1537	03610	0.74	1
50	40	S803S-UCK40	2CCS863001R1557	03627	0.74	1
50	50	S803S-UCK50	2CCS863001R1577	03634	0.74	1
50	63	S803S-UCK63	2CCS863001R1597	03641	0.74	1
50	80	S803S-UCK80	2CCS863001R1627	03658	0.74	1
50	100	S803S-UCK100	2CCS863001R1637	03665	0.74	1
50	125	S803S-UCK125	2CCS863001R1647	03672	0.74	1

2CCC413230F0001

50	10	S804S-UCK10	2CCS864001R1427	03689	0.98	1
50	13	S804S-UCK13	2CCS864001R1447	03696	0.98	1
50	16	S804S-UCK16	2CCS864001R1467	03702	0.98	1
50	20	S804S-UCK20	2CCS864001R1487	03719	0.98	1
50	25	S804S-UCK25	2CCS864001R1517	03726	0.98	1
50	32	S804S-UCK32	2CCS864001R1537	03733	0.98	1
50	40	S804S-UCK40	2CCS864001R1557	03740	0.98	1
50	50	S804S-UCK50	2CCS864001R1577	03757	0.98	1
50	63	S804S-UCK63	2CCS864001R1597	03764	0.98	1
50	80	S804S-UCK80	2CCS864001R1627	03771	0.98	1
50	100	S804S-UCK100	2CCS864001R1637	03788	0.98	1
50	125	S804S-UCK125	2CCS864001R1647	03795	0.98	1

*For DC applications

S800S-UCK Characteristic K*

I_{cu} = 50 kA; with interchangeable ring terminal connection

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
50	10	S801S-UCK10-R	2CCS861002R1427	10595	0.24	1
50	13	S801S-UCK13-R	2CCS861002R1447	10601	0.24	1
50	16	S801S-UCK16-R	2CCS861002R1467	10618	0.24	1
50	20	S801S-UCK20-R	2CCS861002R1487	10625	0.24	1
50	25	S801S-UCK25-R	2CCS861002R1517	10632	0.24	1
50	32	S801S-UCK32-R	2CCS861002R1537	10649	0.24	1
50	40	S801S-UCK40-R	2CCS861002R1557	08660	0.24	1
50	50	S801S-UCK50-R	2CCS861002R1577	08677	0.24	1
50	63	S801S-UCK63-R	2CCS861002R1597	08684	0.24	1
50	80	S801S-UCK80-R	2CCS861002R1627	08691	0.24	1
50	100	S801S-UCK100-R	2CCS861002R1637	08707	0.24	1
50	125	S801S-UCK125-R	2CCS861002R1647	08714	0.24	1

50	10	S802S-UCK10-R	2CCS862002R1427	10656	0.49	1
50	13	S802S-UCK13-R	2CCS862002R1447	10663	0.49	1
50	16	S802S-UCK16-R	2CCS862002R1467	10670	0.49	1
50	20	S802S-UCK20-R	2CCS862002R1487	10687	0.49	1
50	25	S802S-UCK25-R	2CCS862002R1517	10694	0.49	1
50	32	S802S-UCK32-R	2CCS862002R1537	10700	0.49	1
50	40	S802S-UCK40-R	2CCS862002R1557	08721	0.49	1
50	50	S802S-UCK50-R	2CCS862002R1577	08738	0.49	1
50	63	S802S-UCK63-R	2CCS862002R1597	08745	0.49	1
50	80	S802S-UCK80-R	2CCS862002R1627	08752	0.49	1
50	100	S802S-UCK100-R	2CCS862002R1637	08769	0.49	1
50	125	S802S-UCK125-R	2CCS862002R1647	08776	0.49	1

50	10	S803S-UCK10-R	2CCS863002R1427	10717	0.74	1
50	13	S803S-UCK13-R	2CCS863002R1447	10724	0.74	1
50	16	S803S-UCK16-R	2CCS863002R1467	10731	0.74	1
50	20	S803S-UCK20-R	2CCS863002R1487	10748	0.74	1
50	25	S803S-UCK25-R	2CCS863002R1517	10755	0.74	1
50	32	S803S-UCK32-R	2CCS863002R1537	10762	0.74	1
50	40	S803S-UCK40-R	2CCS863002R1557	08783	0.74	1
50	50	S803S-UCK50-R	2CCS863002R1577	08790	0.74	1
50	63	S803S-UCK63-R	2CCS863002R1597	08806	0.74	1
50	80	S803S-UCK80-R	2CCS863002R1627	08813	0.74	1
50	100	S803S-UCK100-R	2CCS863002R1637	08820	0.74	1
50	125	S803S-UCK125-R	2CCS863002R1647	08837	0.74	1

50	10	S804S-UCK10-R	2CCS864002R1427	10779	0.98	1
50	13	S804S-UCK13-R	2CCS864002R1447	10786	0.98	1
50	16	S804S-UCK16-R	2CCS864002R1467	10793	0.98	1
50	20	S804S-UCK20-R	2CCS864002R1487	10809	0.98	1
50	25	S804S-UCK25-R	2CCS864002R1517	10816	0.98	1
50	32	S804S-UCK32-R	2CCS864002R1537	10823	0.98	1
50	40	S804S-UCK40-R	2CCS864002R1557	08844	0.98	1
50	50	S804S-UCK50-R	2CCS864002R1577	08851	0.98	1
50	63	S804S-UCK63-R	2CCS864002R1597	08868	0.98	1
50	80	S804S-UCK80-R	2CCS864002R1627	08875	0.98	1
50	100	S804S-UCK100-R	2CCS864002R1637	08882	0.98	1
50	125	S804S-UCK125-R	2CCS864002R1647	08899	0.98	1

*For DC applications

S800N-B Characteristic B

I_{cu} = 36 kA; with interchangeable cage terminal


2CCC413026F0001

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 7612271	Weight [kg]	Pack. unit
36	6	S801N-B6	2CCS891001R0065	408428	0.24	1
36	10	S801N-B10	2CCS891001R0105	203801	0.24	1
36	13	S801N-B13	2CCS891001R0135	203818	0.24	1
36	16	S801N-B16	2CCS891001R0165	203825	0.24	1
36	20	S801N-B20	2CCS891001R0205	203832	0.24	1
36	25	S801N-B25	2CCS891001R0255	203849	0.24	1
36	32	S801N-B32	2CCS891001R0325	203856	0.24	1
36	40	S801N-B40	2CCS891001R0405	203863	0.24	1
36	50	S801N-B50	2CCS891001R0505	203870	0.24	1
36	63	S801N-B63	2CCS891001R0635	203887	0.24	1
36	80	S801N-B80	2CCS891001R0805	203894	0.24	1
36	100	S801N-B100	2CCS891001R0825	203900	0.24	1
36	125	S801N-B125	2CCS891001R0845	203917	0.24	1


2CCC413027F0001

36	6	S802N-B6	2CCS892001R0065	408435	0.48	1
36	10	S802N-B10	2CCS892001R0105	203924	0.48	1
36	13	S802N-B13	2CCS892001R0135	203931	0.48	1
36	16	S802N-B16	2CCS892001R0165	203948	0.48	1
36	20	S802N-B20	2CCS892001R0205	203955	0.48	1
36	25	S802N-B25	2CCS892001R0255	203962	0.48	1
36	32	S802N-B32	2CCS892001R0325	203979	0.48	1
36	40	S802N-B40	2CCS892001R0405	203986	0.48	1
36	50	S802N-B50	2CCS892001R0505	203993	0.48	1
36	63	S802N-B63	2CCS892001R0635	204006	0.48	1
36	80	S802N-B80	2CCS892001R0805	204013	0.48	1
36	100	S802N-B100	2CCS892001R0825	204020	0.48	1
36	125	S802N-B125	2CCS892001R0845	204037	0.48	1


2CCC413028F0001

36	6	S803N-B6	2CCS893001R0065	408442	0.72	1
36	10	S803N-B10	2CCS893001R0105	204044	0.72	1
36	13	S803N-B13	2CCS893001R0135	204051	0.72	1
36	16	S803N-B16	2CCS893001R0165	204068	0.72	1
36	20	S803N-B20	2CCS893001R0205	204075	0.72	1
36	25	S803N-B25	2CCS893001R0255	204082	0.72	1
36	32	S803N-B32	2CCS893001R0325	204099	0.72	1
36	40	S803N-B40	2CCS893001R0405	204105	0.72	1
36	50	S803N-B50	2CCS893001R0505	204112	0.72	1
36	63	S803N-B63	2CCS893001R0635	204129	0.72	1
36	80	S803N-B80	2CCS893001R0805	204136	0.72	1
36	100	S803N-B100	2CCS893001R0825	204143	0.72	1
36	125	S803N-B125	2CCS893001R0845	204150	0.72	1


2CCC413029F0001

36	6	S804N-B6	2CCS894001R0065	408459	0.96	1
36	10	S804N-B10	2CCS894001R0105	204167	0.96	1
36	13	S804N-B13	2CCS894001R0135	204174	0.96	1
36	16	S804N-B16	2CCS894001R0165	204181	0.96	1
36	20	S804N-B20	2CCS894001R0205	204198	0.96	1
36	25	S804N-B25	2CCS894001R0255	204204	0.96	1
36	32	S804N-B32	2CCS894001R0325	204211	0.96	1
36	40	S804N-B40	2CCS894001R0405	204228	0.96	1
36	50	S804N-B50	2CCS894001R0505	204235	0.96	1
36	63	S804N-B63	2CCS894001R0635	204242	0.96	1
36	80	S804N-B80	2CCS894001R0805	204259	0.96	1
36	100	S804N-B100	2CCS894001R0825	204266	0.96	1
36	125	S804N-B125	2CCS894001R0845	204273	0.96	1

S800N-C Characteristic C

I_{cu} = 36 kA; with interchangeable cage terminal


2CCC413030F0001

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 7612271	Weight [kg]	Pack. unit
36	6	S801N-C6	2CCS891001R0064	408466	0.24	1
36	10	S801N-C10	2CCS891001R0104	204280	0.24	1
36	13	S801N-C13	2CCS891001R0134	204297	0.24	1
36	16	S801N-C16	2CCS891001R0164	204303	0.24	1
36	20	S801N-C20	2CCS891001R0204	204310	0.24	1
36	25	S801N-C25	2CCS891001R0254	204327	0.24	1
36	32	S801N-C32	2CCS891001R0324	204334	0.24	1
36	40	S801N-C40	2CCS891001R0404	204341	0.24	1
36	50	S801N-C50	2CCS891001R0504	204358	0.24	1
36	63	S801N-C63	2CCS891001R0634	204365	0.24	1
36	80	S801N-C80	2CCS891001R0804	204372	0.24	1
36	100	S801N-C100	2CCS891001R0824	204389	0.24	1
36	125	S801N-C125	2CCS891001R0844	204396	0.24	1


2CCC413031F0001

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 7612271	Weight [kg]	Pack. unit
36	6	S802N-C6	2CCS892001R0064	408473	0.48	1
36	10	S802N-C10	2CCS892001R0104	204402	0.48	1
36	13	S802N-C13	2CCS892001R0134	204419	0.48	1
36	16	S802N-C16	2CCS892001R0164	204426	0.48	1
36	20	S802N-C20	2CCS892001R0204	204433	0.48	1
36	25	S802N-C25	2CCS892001R0254	204440	0.48	1
36	32	S802N-C32	2CCS892001R0324	204457	0.48	1
36	40	S802N-C40	2CCS892001R0404	204464	0.48	1
36	50	S802N-C50	2CCS892001R0504	204471	0.48	1
36	63	S802N-C63	2CCS892001R0634	204488	0.48	1
36	80	S802N-C80	2CCS892001R0804	204495	0.48	1
36	100	S802N-C100	2CCS892001R0824	204501	0.48	1
36	125	S802N-C125	2CCS892001R0844	204518	0.48	1


2CCC413032F0001

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 7612271	Weight [kg]	Pack. unit
36	6	S803N-C6	2CCS893001R0064	408480	0.72	1
36	10	S803N-C10	2CCS893001R0104	204525	0.72	1
36	13	S803N-C13	2CCS893001R0134	204532	0.72	1
36	16	S803N-C16	2CCS893001R0164	204549	0.72	1
36	20	S803N-C20	2CCS893001R0204	204556	0.72	1
36	25	S803N-C25	2CCS893001R0254	204563	0.72	1
36	32	S803N-C32	2CCS893001R0324	204570	0.72	1
36	40	S803N-C40	2CCS893001R0404	204587	0.72	1
36	50	S803N-C50	2CCS893001R0504	204594	0.72	1
36	63	S803N-C63	2CCS893001R0634	204600	0.72	1
36	80	S803N-C80	2CCS893001R0804	204617	0.72	1
36	100	S803N-C100	2CCS893001R0824	204624	0.72	1
36	125	S803N-C125	2CCS893001R0844	204631	0.72	1


2CCC413033F0001

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 7612271	Weight [kg]	Pack. unit
36	6	S804N-C6	2CCS894001R0064	408497	0.96	1
36	10	S804N-C10	2CCS894001R0104	204648	0.96	1
36	13	S804N-C13	2CCS894001R0134	204655	0.96	1
36	16	S804N-C16	2CCS894001R0164	204662	0.96	1
36	20	S804N-C20	2CCS894001R0204	204679	0.96	1
36	25	S804N-C25	2CCS894001R0254	204686	0.96	1
36	32	S804N-C32	2CCS894001R0324	204693	0.96	1
36	40	S804N-C40	2CCS894001R0404	204709	0.96	1
36	50	S804N-C50	2CCS894001R0504	204716	0.96	1
36	63	S804N-C63	2CCS894001R0634	204723	0.96	1
36	80	S804N-C80	2CCS894001R0804	204730	0.96	1
36	100	S804N-C100	2CCS894001R0824	204747	0.96	1
36	125	S804N-C125	2CCS894001R0844	204754	0.96	1

S800N-D Characteristic D

I_{cu} = 36 kA; with interchangeable cage terminal


2CCC413034F0001

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 7612271	Weight [kg]	Pack. unit
36	6	S801N-D6	2CCS891001R0061	408503	0.24	1
36	10	S801N-D10	2CCS891001R0101	204761	0.24	1
36	13	S801N-D13	2CCS891001R0131	204778	0.24	1
36	16	S801N-D16	2CCS891001R0161	204785	0.24	1
36	20	S801N-D20	2CCS891001R0201	204792	0.24	1
36	25	S801N-D25	2CCS891001R0251	204808	0.24	1
36	32	S801N-D32	2CCS891001R0321	204815	0.24	1
36	40	S801N-D40	2CCS891001R0401	204822	0.24	1
36	50	S801N-D50	2CCS891001R0501	204839	0.24	1
36	63	S801N-D63	2CCS891001R0631	204846	0.24	1
36	80	S801N-D80	2CCS891001R0801	204853	0.24	1
36	100	S801N-D100	2CCS891001R0821	204860	0.24	1
36	125	S801N-D125	2CCS891001R0841	204877	0.24	1


2CCC413035F0001

36	6	S802N-D6	2CCS892001R0061	408510	0.49	1
36	10	S802N-D10	2CCS892001R0101	204884	0.49	1
36	13	S802N-D13	2CCS892001R0131	204891	0.49	1
36	16	S802N-D16	2CCS892001R0161	204907	0.49	1
36	20	S802N-D20	2CCS892001R0201	204914	0.49	1
36	25	S802N-D25	2CCS892001R0251	204921	0.49	1
36	32	S802N-D32	2CCS892001R0321	204938	0.49	1
36	40	S802N-D40	2CCS892001R0401	204945	0.49	1
36	50	S802N-D50	2CCS892001R0501	204952	0.49	1
36	63	S802N-D63	2CCS892001R0631	204969	0.49	1
36	80	S802N-D80	2CCS892001R0801	204976	0.49	1
36	100	S802N-D100	2CCS892001R0821	204983	0.49	1
36	125	S802N-D125	2CCS892001R0841	204990	0.49	1


2CCC413036F0001

36	6	S803N-D6	2CCS893001R0061	408527	0.74	1
36	10	S803N-D10	2CCS893001R0101	205003	0.74	1
36	13	S803N-D13	2CCS893001R0131	205010	0.74	1
36	16	S803N-D16	2CCS893001R0161	205027	0.74	1
36	20	S803N-D20	2CCS893001R0201	205034	0.74	1
36	25	S803N-D25	2CCS893001R0251	205041	0.74	1
36	32	S803N-D32	2CCS893001R0321	205058	0.74	1
36	40	S803N-D40	2CCS893001R0401	205065	0.74	1
36	50	S803N-D50	2CCS893001R0501	205072	0.74	1
36	63	S803N-D63	2CCS893001R0631	205089	0.74	1
36	80	S803N-D80	2CCS893001R0801	205096	0.74	1
36	100	S803N-D100	2CCS893001R0821	205102	0.74	1
36	125	S803N-D125	2CCS893001R0841	205119	0.74	1


2CCC413037F0001

36	6	S804N-D6	2CCS894001R0061	408534	0.98	1
36	10	S804N-D10	2CCS894001R0101	205126	0.98	1
36	13	S804N-D13	2CCS894001R0131	205133	0.98	1
36	16	S804N-D16	2CCS894001R0161	205140	0.98	1
36	20	S804N-D20	2CCS894001R0201	205157	0.98	1
36	25	S804N-D25	2CCS894001R0251	205164	0.98	1
36	32	S804N-D32	2CCS894001R0321	205171	0.98	1
36	40	S804N-D40	2CCS894001R0401	205188	0.98	1
36	50	S804N-D50	2CCS894001R0501	205195	0.98	1
36	63	S804N-D63	2CCS894001R0631	205201	0.98	1
36	80	S804N-D80	2CCS894001R0801	205218	0.98	1
36	100	S804N-D100	2CCS894001R0821	205225	0.98	1
36	125	S804N-D125	2CCS894001R0841	205232	0.98	1

S800C-B Characteristic B

I_{cu} = 25 kA; with locked cage terminal


2CCC413262F0001

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
25	10	S801C-B10	2CCS881001R0105	12087	0.25	1
25	13	S801C-B13	2CCS881001R0135	12247	0.25	1
25	16	S801C-B16	2CCS881001R0165	12407	0.25	1
25	20	S801C-B20	2CCS881001R0205	12568	0.25	1
25	25	S801C-B25	2CCS881001R0255	12728	0.25	1
25	32	S801C-B32	2CCS881001R0325	12889	0.25	1
25	40	S801C-B40	2CCS881001R0405	13046	0.25	1
25	50	S801C-B50	2CCS881001R0505	13206	0.25	1
25	63	S801C-B63	2CCS881001R0635	13367	0.25	1
25	80	S801C-B80	2CCS881001R0805	13527	0.25	1
25	100	S801C-B100	2CCS881001R0825	13688	0.25	1
25	125	S801C-B125	2CCS881001R0845	13848	0.25	1


2CCC413263F0001

25	10	S802C-B10	2CCS882001R0105	12094	0.49	1
25	13	S802C-B13	2CCS882001R0135	12254	0.49	1
25	16	S802C-B16	2CCS882001R0165	12414	0.49	1
25	20	S802C-B20	2CCS882001R0205	12575	0.49	1
25	25	S802C-B25	2CCS882001R0255	12735	0.49	1
25	32	S802C-B32	2CCS882001R0325	12896	0.49	1
25	40	S802C-B40	2CCS882001R0405	13053	0.49	1
25	50	S802C-B50	2CCS882001R0505	13213	0.49	1
25	63	S802C-B63	2CCS882001R0635	13374	0.49	1
25	80	S802C-B80	2CCS882001R0805	13534	0.49	1
25	100	S802C-B100	2CCS882001R0825	13695	0.49	1
25	125	S802C-B125	2CCS882001R0845	13855	0.49	1


2CCC413264F0001

25	10	S803C-B10	2CCS883001R0105	12100	0.74	1
25	13	S803C-B13	2CCS883001R0135	12261	0.74	1
25	16	S803C-B16	2CCS883001R0165	12421	0.74	1
25	20	S803C-B20	2CCS883001R0205	12582	0.74	1
25	25	S803C-B25	2CCS883001R0255	12742	0.74	1
25	32	S803C-B32	2CCS883001R0325	12902	0.74	1
25	40	S803C-B40	2CCS883001R0405	13060	0.74	1
25	50	S803C-B50	2CCS883001R0505	13220	0.74	1
25	63	S803C-B63	2CCS883001R0635	13381	0.74	1
25	80	S803C-B80	2CCS883001R0805	13541	0.74	1
25	100	S803C-B100	2CCS883001R0825	13701	0.74	1
25	125	S803C-B125	2CCS883001R0845	13862	0.74	1


2CCC413265F0001

25	10	S804C-B10	2CCS884001R0105	12117	0.98	1
25	13	S804C-B13	2CCS884001R0135	12278	0.98	1
25	16	S804C-B16	2CCS884001R0165	12438	0.98	1
25	20	S804C-B20	2CCS884001R0205	12599	0.98	1
25	25	S804C-B25	2CCS884001R0255	12759	0.98	1
25	32	S804C-B32	2CCS884001R0325	12919	0.98	1
25	40	S804C-B40	2CCS884001R0405	13077	0.98	1
25	50	S804C-B50	2CCS884001R0505	13237	0.98	1
25	63	S804C-B63	2CCS884001R0635	13398	0.98	1
25	80	S804C-B80	2CCS884001R0805	13558	0.98	1
25	100	S804C-B100	2CCS884001R0825	13718	0.98	1
25	125	S804C-B125	2CCS884001R0845	13879	0.98	1

S800C-C Characteristic C

I_{cu} = 25 kA; with locked cage terminal

2CCC413266F0001

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
25	10	S801C-C10	2CCS881001R0104	12124	0.25	1
25	13	S801C-C13	2CCS881001R0134	12285	0.25	1
25	16	S801C-C16	2CCS881001R0164	12445	0.25	1
25	20	S801C-C20	2CCS881001R0204	12605	0.25	1
25	25	S801C-C25	2CCS881001R0254	12766	0.25	1
25	32	S801C-C32	2CCS881001R0324	12926	0.25	1
25	40	S801C-C40	2CCS881001R0404	13084	0.25	1
25	50	S801C-C50	2CCS881001R0504	13244	0.25	1
25	63	S801C-C63	2CCS881001R0634	13404	0.25	1
25	80	S801C-C80	2CCS881001R0804	13565	0.25	1
25	100	S801C-C100	2CCS881001R0824	13725	0.25	1
25	125	S801C-C125	2CCS881001R0844	13886	0.25	1

2CCC413267F0001

25	10	S802C-C10	2CCS882001R0104	12131	0.49	1
25	13	S802C-C13	2CCS882001R0134	12292	0.49	1
25	16	S802C-C16	2CCS882001R0164	12452	0.49	1
25	20	S802C-C20	2CCS882001R0204	12612	0.49	1
25	25	S802C-C25	2CCS882001R0254	12773	0.49	1
25	32	S802C-C32	2CCS882001R0324	12933	0.49	1
25	40	S802C-C40	2CCS882001R0404	13091	0.49	1
25	50	S802C-C50	2CCS882001R0504	13251	0.49	1
25	63	S802C-C63	2CCS882001R0634	13411	0.49	1
25	80	S802C-C80	2CCS882001R0804	13572	0.49	1
25	100	S802C-C100	2CCS882001R0824	13732	0.49	1
25	125	S802C-C125	2CCS882001R0844	13893	0.49	1

2CCC413268F0001

25	10	S803C-C10	2CCS883001R0104	12148	0.74	1
25	13	S803C-C13	2CCS883001R0134	12308	0.74	1
25	16	S803C-C16	2CCS883001R0164	12469	0.74	1
25	20	S803C-C20	2CCS883001R0204	12629	0.74	1
25	25	S803C-C25	2CCS883001R0254	12780	0.74	1
25	32	S803C-C32	2CCS883001R0324	12940	0.74	1
25	40	S803C-C40	2CCS883001R0404	13107	0.74	1
25	50	S803C-C50	2CCS883001R0504	13268	0.74	1
25	63	S803C-C63	2CCS883001R0634	13428	0.74	1
25	80	S803C-C80	2CCS883001R0804	13589	0.74	1
25	100	S803C-C100	2CCS883001R0824	13749	0.74	1
25	125	S803C-C125	2CCS883001R0844	13909	0.74	1

2CCC413269F0001

25	10	S804C-C10	2CCS884001R0104	12155	0.98	1
25	13	S804C-C13	2CCS884001R0134	12315	0.98	1
25	16	S804C-C16	2CCS884001R0164	12476	0.98	1
25	20	S804C-C20	2CCS884001R0204	12636	0.98	1
25	25	S804C-C25	2CCS884001R0254	12797	0.98	1
25	32	S804C-C32	2CCS884001R0324	12957	0.98	1
25	40	S804C-C40	2CCS884001R0404	13114	0.98	1
25	50	S804C-C50	2CCS884001R0504	13275	0.98	1
25	63	S804C-C63	2CCS884001R0634	13435	0.98	1
25	80	S804C-C80	2CCS884001R0804	13596	0.98	1
25	100	S804C-C100	2CCS884001R0824	13756	0.98	1
25	125	S804C-C125	2CCS884001R0844	13916	0.98	1

S800C-D Characteristic D

I_{cu} = 25 kA; with locked cage terminal

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
25	10	S801C-D10	2CCS881001R0101	12162	0.25	1
25	13	S801C-D13	2CCS881001R0131	12322	0.25	1
25	16	S801C-D16	2CCS881001R0161	12483	0.25	1
25	20	S801C-D20	2CCS881001R0201	12643	0.25	1
25	25	S801C-D25	2CCS881001R0251	12803	0.25	1
25	32	S801C-D32	2CCS881001R0321	12964	0.25	1
25	40	S801C-D40	2CCS881001R0401	13121	0.25	1
25	50	S801C-D50	2CCS881001R0501	13282	0.25	1
25	63	S801C-D63	2CCS881001R0631	13442	0.25	1
25	80	S801C-D80	2CCS881001R0801	13602	0.25	1
25	100	S801C-D100	2CCS881001R0821	13763	0.25	1
25	125	S801C-D125	2CCS881001R0841	13923	0.25	1

25	10	S802C-D10	2CCS882001R0101	12179	0.49	1
25	13	S802C-D13	2CCS882001R0131	12339	0.49	1
25	16	S802C-D16	2CCS882001R0161	12490	0.49	1
25	20	S802C-D20	2CCS882001R0201	12650	0.49	1
25	25	S802C-D25	2CCS882001R0251	12810	0.49	1
25	32	S802C-D32	2CCS882001R0321	12971	0.49	1
25	40	S802C-D40	2CCS882001R0401	13138	0.49	1
25	50	S802C-D50	2CCS882001R0501	13299	0.49	1
25	63	S802C-D63	2CCS882001R0631	13459	0.49	1
25	80	S802C-D80	2CCS882001R0801	13619	0.49	1
25	100	S802C-D100	2CCS882001R0821	13770	0.49	1
25	125	S802C-D125	2CCS882001R0841	13930	0.49	1

25	10	S803C-D10	2CCS883001R0101	12186	0.74	1
25	13	S803C-D13	2CCS883001R0131	12346	0.74	1
25	16	S803C-D16	2CCS883001R0161	12506	0.74	1
25	20	S803C-D20	2CCS883001R0201	12667	0.74	1
25	25	S803C-D25	2CCS883001R0251	12827	0.74	1
25	32	S803C-D32	2CCS883001R0321	12988	0.74	1
25	40	S803C-D40	2CCS883001R0401	13145	0.74	1
25	50	S803C-D50	2CCS883001R0501	13305	0.74	1
25	63	S803C-D63	2CCS883001R0631	13466	0.74	1
25	80	S803C-D80	2CCS883001R0801	13626	0.74	1
25	100	S803C-D100	2CCS883001R0821	13787	0.74	1
25	125	S803C-D125	2CCS883001R0841	13947	0.74	1

25	10	S804C-D10	2CCS884001R0101	12193	0.98	1
25	13	S804C-D13	2CCS884001R0131	12353	0.98	1
25	16	S804C-D16	2CCS884001R0161	12513	0.98	1
25	20	S804C-D20	2CCS884001R0201	12674	0.98	1
25	25	S804C-D25	2CCS884001R0251	12834	0.98	1
25	32	S804C-D32	2CCS884001R0321	12995	0.98	1
25	40	S804C-D40	2CCS884001R0401	13152	0.98	1
25	50	S804C-D50	2CCS884001R0501	13312	0.98	1
25	63	S804C-D63	2CCS884001R0631	13473	0.98	1
25	80	S804C-D80	2CCS884001R0801	13633	0.98	1
25	100	S804C-D100	2CCS884001R0821	13794	0.98	1
25	125	S804C-D125	2CCS884001R0841	13954	0.98	1

S800C-K Characteristic K

I_{cu} = 25 kA; with locked cage terminal

2CCC413274F0001

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
25	10	S801C-K10	2CCS881001R0427	12209	0.25	1
25	13	S801C-K13	2CCS881001R0447	12360	0.25	1
25	16	S801C-K16	2CCS881001R0467	12520	0.25	1
25	20	S801C-K20	2CCS881001R0487	12681	0.25	1
25	25	S801C-K25	2CCS881001R0517	12841	0.25	1
25	32	S801C-K32	2CCS881001R0537	13008	0.25	1
25	40	S801C-K40	2CCS881001R0557	13169	0.25	1
25	50	S801C-K50	2CCS881001R0577	13329	0.25	1
25	63	S801C-K63	2CCS881001R0597	13480	0.25	1
25	80	S801C-K80	2CCS881001R0627	13640	0.25	1
25	100	S801C-K100	2CCS881001R0637	13800	0.25	1
25	125	S801C-K125	2CCS881001R0647	13961	0.25	1

2CCC413275F0001

25	10	S802C-K10	2CCS882001R0427	12216	0.49	1
25	13	S802C-K13	2CCS882001R0447	12377	0.49	1
25	16	S802C-K16	2CCS882001R0467	12537	0.49	1
25	20	S802C-K20	2CCS882001R0487	12698	0.49	1
25	25	S802C-K25	2CCS882001R0517	12858	0.49	1
25	32	S802C-K32	2CCS882001R0537	13015	0.49	1
25	40	S802C-K40	2CCS882001R0557	13176	0.49	1
25	50	S802C-K50	2CCS882001R0577	13336	0.49	1
25	63	S802C-K63	2CCS882001R0597	13497	0.49	1
25	80	S802C-K80	2CCS882001R0627	13657	0.49	1
25	100	S802C-K100	2CCS882001R0637	13817	0.49	1
25	125	S802C-K125	2CCS882001R0647	13978	0.49	1

2CCC413276F0001

25	10	S803C-K10	2CCS883001R0427	12223	0.74	1
25	13	S803C-K13	2CCS883001R0447	12384	0.74	1
25	16	S803C-K16	2CCS883001R0467	12544	0.74	1
25	20	S803C-K20	2CCS883001R0487	12704	0.74	1
25	25	S803C-K25	2CCS883001R0517	12865	0.74	1
25	32	S803C-K32	2CCS883001R0537	13022	0.74	1
25	40	S803C-K40	2CCS883001R0557	13183	0.74	1
25	50	S803C-K50	2CCS883001R0577	13343	0.74	1
25	63	S803C-K63	2CCS883001R0597	13503	0.74	1
25	80	S803C-K80	2CCS883001R0627	13664	0.74	1
25	100	S803C-K100	2CCS883001R0637	13824	0.74	1
25	125	S803C-K125	2CCS883001R0647	13985	0.74	1

2CCC413277F0001

25	10	S804C-K10	2CCS884001R0427	12230	0.98	1
25	13	S804C-K13	2CCS884001R0447	12391	0.98	1
25	16	S804C-K16	2CCS884001R0467	12551	0.98	1
25	20	S804C-K20	2CCS884001R0487	12711	0.98	1
25	25	S804C-K25	2CCS884001R0517	12872	0.98	1
25	32	S804C-K32	2CCS884001R0537	13039	0.98	1
25	40	S804C-K40	2CCS884001R0557	13190	0.98	1
25	50	S804C-K50	2CCS884001R0577	13350	0.98	1
25	63	S804C-K63	2CCS884001R0597	13510	0.98	1
25	80	S804C-K80	2CCS884001R0627	13671	0.98	1
25	100	S804C-K100	2CCS884001R0637	13831	0.98	1
25	125	S804C-K125	2CCS884001R0647	13992	0.98	1

S800U-Z Characteristic Z*

I_{cu} = 50 kA; with interchangeable cage terminal


2CCC413315F0001

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
30	10	S801U-Z10	2CCS881017R0105	14487	0.25	1
30	15	S801U-Z15	2CCS881017R0155	14524	0.25	1
30	20	S801U-Z20	2CCS881017R0205	14562	0.25	1
30	25	S801U-Z25	2CCS881017R0255	14609	0.25	1
30	30	S801U-Z30	2CCS881017R0305	14647	0.25	1
30	40	S801U-Z40	2CCS881017R0405	14685	0.25	1
30	50	S801U-Z50	2CCS881017R0505	14722	0.25	1
30	60	S801U-Z60	2CCS881017R0605	14760	0.25	1
30	70	S801U-Z70	2CCS881017R0705	14807	0.25	1
30	80	S801U-Z80	2CCS881017R0805	14845	0.25	1
30	90	S801U-Z90	2CCS881017R0905	14883	0.25	1
30	100	S801U-Z100	2CCS881017R0825	14920	0.25	1


2CCC413316F0001

50	10	S802U-Z10	2CCS862017R0105	14494	0.49	1
50	15	S802U-Z15	2CCS862017R0155	14531	0.49	1
50	20	S802U-Z20	2CCS862017R0205	14579	0.49	1
50	25	S802U-Z25	2CCS862017R0255	14616	0.49	1
50	30	S802U-Z30	2CCS862017R0305	14654	0.49	1
50	40	S802U-Z40	2CCS862017R0405	14692	0.49	1
50	50	S802U-Z50	2CCS862017R0505	14739	0.49	1
50	60	S802U-Z60	2CCS862017R0605	14777	0.49	1
50	70	S802U-Z70	2CCS862017R0705	14814	0.49	1
50	80	S802U-Z80	2CCS862017R0805	14852	0.49	1
50	90	S802U-Z90	2CCS862017R0905	14890	0.49	1
50	100	S802U-Z100	2CCS862017R0825	14937	0.49	1


2CCC413317F0001

50	10	S803U-Z10	2CCS863017R0105	14500	0.74	1
50	15	S803U-Z15	2CCS863017R0155	14548	0.74	1
50	20	S803U-Z20	2CCS863017R0205	14586	0.74	1
50	25	S803U-Z25	2CCS863017R0255	14623	0.74	1
50	30	S803U-Z30	2CCS863017R0305	14661	0.74	1
50	40	S803U-Z40	2CCS863017R0405	14708	0.74	1
50	50	S803U-Z50	2CCS863017R0505	14746	0.74	1
50	60	S803U-Z60	2CCS863017R0605	14784	0.74	1
50	70	S803U-Z70	2CCS863017R0705	14821	0.74	1
50	80	S803U-Z80	2CCS863017R0805	14869	0.74	1
50	90	S803U-Z90	2CCS863017R0905	14906	0.74	1
50	100	S803U-Z100	2CCS863017R0825	14944	0.74	1


2CCC413318F0001

50	10	S804U-Z10	2CCS864017R0105	14517	0.98	1
50	15	S804U-Z15	2CCS864017R0155	14555	0.98	1
50	20	S804U-Z20	2CCS864017R0205	14593	0.98	1
50	25	S804U-Z25	2CCS864017R0255	14630	0.98	1
50	30	S804U-Z30	2CCS864017R0305	14678	0.98	1
50	40	S804U-Z40	2CCS864017R0405	14715	0.98	1
50	50	S804U-Z50	2CCS864017R0505	14753	0.98	1
50	60	S804U-Z60	2CCS864017R0605	14791	0.98	1
50	70	S804U-Z70	2CCS864017R0705	14838	0.98	1
50	80	S804U-Z80	2CCS864017R0805	14876	0.98	1
50	90	S804U-Z90	2CCS864017R0905	14913	0.98	1
50	100	S804U-Z100	2CCS864017R0825	14951	0.98	1

*For AC applications that also conform to UL489

S800U-K Characteristic K*

I_{cu} = 30 kA; with interchangeable cage terminal

2CCC413304F0002

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
30	10	S801U-K10	2CCS881017R0427	14005	0.25	1
30	15	S801U-K15	2CCS881017R0457	14043	0.25	1
30	20	S801U-K20	2CCS881017R0487	14081	0.25	1
30	25	S801U-K25	2CCS881017R0517	14128	0.25	1
30	30	S801U-K30	2CCS881017R0527	14166	0.25	1
30	40	S801U-K40	2CCS881017R0557	14203	0.25	1
30	50	S801U-K50	2CCS881017R0577	14241	0.25	1
30	60	S801U-K60	2CCS881017R0587	14289	0.25	1
30	70	S801U-K70	2CCS881017R0707	14326	0.25	1
30	80	S801U-K80	2CCS881017R0627	14364	0.25	1
30	90	S801U-K90	2CCS881017R0907	14401	0.25	1
30	100	S801U-K100	2CCS881017R0637	14449	0.25	1

2CCC413305F0002

50	10	S802U-K10	2CCS862017R0427	14012	0.49	1
50	15	S802U-K15	2CCS862017R0457	14050	0.49	1
50	20	S802U-K20	2CCS862017R0487	14098	0.49	1
50	25	S802U-K25	2CCS862017R0517	14135	0.49	1
50	30	S802U-K30	2CCS862017R0527	14173	0.49	1
50	40	S802U-K40	2CCS862017R0557	14210	0.49	1
50	50	S802U-K50	2CCS862017R0577	14258	0.49	1
50	60	S802U-K60	2CCS862017R0587	14296	0.49	1
50	70	S802U-K70	2CCS862017R0707	14333	0.49	1
50	80	S802U-K80	2CCS862017R0627	14371	0.49	1
50	90	S802U-K90	2CCS862017R0907	14418	0.49	1
50	100	S802U-K100	2CCS862017R0637	14456	0.49	1

2CCC413306F0002

50	10	S803U-K10	2CCS863017R0427	14029	0.74	1
50	15	S803U-K15	2CCS863017R0457	14067	0.74	1
50	20	S803U-K20	2CCS863017R0487	14104	0.74	1
50	25	S803U-K25	2CCS863017R0517	14142	0.74	1
50	30	S803U-K30	2CCS863017R0527	14180	0.74	1
50	40	S803U-K40	2CCS863017R0557	14227	0.74	1
50	50	S803U-K50	2CCS863017R0577	14265	0.74	1
50	60	S803U-K60	2CCS863017R0587	14302	0.74	1
50	70	S803U-K70	2CCS863017R0707	14340	0.74	1
50	80	S803U-K80	2CCS863017R0627	14388	0.74	1
50	90	S803U-K90	2CCS863017R0907	14425	0.74	1
50	100	S803U-K100	2CCS863017R0637	14463	0.74	1

2CCC413307F0002

50	10	S804U-K10	2CCS864017R0427	14036	0.98	1
50	15	S804U-K15	2CCS864017R0457	14074	0.98	1
50	20	S804U-K20	2CCS864017R0487	14111	0.98	1
50	25	S804U-K25	2CCS864017R0517	14159	0.98	1
50	30	S804U-K30	2CCS864017R0527	14197	0.98	1
50	40	S804U-K40	2CCS864017R0557	14234	0.98	1
50	50	S804U-K50	2CCS864017R0577	14272	0.98	1
50	60	S804U-K60	2CCS864017R0587	14319	0.98	1
50	70	S804U-K70	2CCS864017R0707	14357	0.98	1
50	80	S804U-K80	2CCS864017R0627	14395	0.98	1
50	90	S804U-K90	2CCS864017R0907	14432	0.98	1
50	100	S804U-K100	2CCS864017R0637	14470	0.98	1

*For AC applications that also conform to UL489

S800PV-S Characteristic S*

Photovoltaic string protection with interchangeable cage terminal

2CCC413246F0001

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
5	10	S802PV-S10	2CCP842001R1109	10939	0.49	1
5	13	S802PV-S13	2CCP842001R1139	10946	0.49	1
5	16	S802PV-S16	2CCP842001R1169	10953	0.49	1
5	20	S802PV-S20	2CCP842001R1209	10960	0.49	1
5	25	S802PV-S25	2CCP842001R1259	10977	0.49	1
5	32	S802PV-S32	2CCP842001R1329	10984	0.49	1
5	40	S802PV-S40	2CCP842001R1409	10991	0.49	1
5	50	S802PV-S50	2CCP842001R1509	11004	0.49	1
5	63	S802PV-S63	2CCP842001R1639	11011	0.49	1
5	80	S802PV-S80	2CCP842001R1809	11028	0.49	1
5	100	S802PV-S100	2CCP842001R1829	14968	0.49	1
5	125	S802PV-S125	2CCP842001R1849	14999	0.49	1

2CCC413247F0001

5	10	S803PV-S10	2CCP843001R1109	11035	0.74	1
5	13	S803PV-S13	2CCP843001R1139	11042	0.74	1
5	16	S803PV-S16	2CCP843001R1169	11059	0.74	1
5	20	S803PV-S20	2CCP843001R1209	11066	0.74	1
5	25	S803PV-S25	2CCP843001R1259	11073	0.74	1
5	32	S803PV-S32	2CCP843001R1329	11080	0.74	1
5	40	S803PV-S40	2CCP843001R1409	11097	0.74	1
5	50	S803PV-S50	2CCP843001R1509	11103	0.74	1
5	63	S803PV-S63	2CCP843001R1639	11110	0.74	1
5	80	S803PV-S80	2CCP843001R1809	11127	0.74	1
5	100	S803PV-S100	2CCP843001R1829	14975	0.74	1
5	125	S803PV-S125	2CCP843001R1849	15002	0.74	1

2CCC413248F0001

5	10	S804PV-S10	2CCP844001R1109	11134	0.98	1
5	13	S804PV-S13	2CCP844001R1139	11141	0.98	1
5	16	S804PV-S16	2CCP844001R1169	11158	0.98	1
5	20	S804PV-S20	2CCP844001R1209	11165	0.98	1
5	25	S804PV-S25	2CCP844001R1259	11172	0.98	1
5	32	S804PV-S32	2CCP844001R1329	11189	0.98	1
5	40	S804PV-S40	2CCP844001R1409	11196	0.98	1
5	50	S804PV-S50	2CCP844001R1509	11202	0.98	1
5	63	S804PV-S63	2CCP844001R1639	11219	0.98	1
5	80	S804PV-S80	2CCP844001R1809	11226	0.98	1
5	100	S804PV-S100	2CCP844001R1829	14982	0.98	1
5	125	S804PV-S125	2CCP844001R1849	15019	0.98	1

* Detailed information is contained in our S800PV Document 2CCC413002C0202

S800PV-M*

Photovoltaic DC disconnector with interchangeable cage terminal

2CCC413249F0001

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
1.5	32	S802PV-M32	2CCP812001R1329	11233	0.43	1
1.5	63	S802PV-M63	2CCD842001R1590	15026	0.43	1
1.5	125	S802PV-M125	2CCP812001R1849	11240	0.43	1

2CCC413250F0001

1.5	32	S803PV-M32	2CCP813001R1329	11257	0.65	1
1.5	63	S803PV-M63	2CCD843001R1590	15033	0.65	1
1.5	125	S803PV-M125	2CCP813001R1849	11264	0.65	1

2CCC413251F0001

1.5	32	S804PV-M32	2CCP814001R1329	11271	0.86	1
1.5	63	S804PV-M63	2CCD844001R1590	15040	0.86	1
1.5	125	S804PV-M125	2CCP814001R1849	11288	0.86	1

* Detailed information is contained in our S800PV Document 2CCC413002C0202

S800
Accessories


2CCC413019F0002

Short-circuit current with interchangeable cage terminal Designation [A]	Type designation	Product number	EAN number 7612271	Weight [kg]	Pack. unit
32	S803S-SCL32	2CCS800900R0291	1208912	0.74	1
63	S803S-SCL63	2CCS800900R0301	1208929	0.74	1
125	S803S-SCL125	2CCS800900R0281	1208905	0.74	1


2CCC413020F0001

Short-circuit current limiter with interchangeable ring terminal connection Designation [A]	Type designation	Product number	EAN number 761227	Weight [kg]	Pack. unit
32	S803S-SCL32-R	2CCS800900R0332	1408916	0.74	1
63	S803S-SCL63-R	2CCS800900R0331	1208950	0.74	1
125	S803S-SCL125-R	2CCS800900R0311	1208936	0.74	1


2CCC413069F0001

Auxiliary contact Designation	Type designation	Product number	EAN number 761227	Weight [kg]	Pack. unit
Auxiliary contact	S800-AUX	2CCS800900R0011	1206802	0.05	1


2CCC413070F0001

Combined auxiliary and signal contact Designation	Type designation	Product number	EAN number 761227	Weight [kg]	Pack. unit
Auxiliary/signal contact	S800-AUX/ALT	2CCS800900R0021	1206819	0.05	1


2CCC413067F0001

Disconnectable neutral conductor 63 A Designation	Type designation	Product number	EAN number 761227	Weight [kg]	Pack. unit
Disconnectable neutral conductor 63 A	S800-NT	2CCS800900R0061	1208196	0.12	1


2CCC413239F0001

Shunt operation release Designation	Type designation	Product number	EAN number 761227	Weight [kg]	Pack. unit
Shunt operat. release 12 VAC/DC	S800-SOR12	2CCS800900R0201	1212070	0,15	1
Shunt operat. release 24 VAC/DC	S800-SOR24	2CCS800900R0191	1208318	0.15	1
Shunt operat. release 48...130 VAC/DC	S800-SOR130	2CCS800900R0221	1208349	0.15	1
Shunt operat. release 110...250 VAC/DC	S800-SOR250	2CCS800900R0211	1208332	0.15	1
Shunt operat. release 220...400 VAC/DC	S800-SOR400	2CCS800900R0231	1208356	0.15	1


2CCC413240F0001

Undervoltage release Designation	Type designation	Product number	EAN number 761227	Weight [kg]	Pack. unit
Undervoltage release 24...36 VAC/DC	S800-UVR36	2CCS800900R0241	1208363	0.15	1
Undervoltage release 48...60 VAC/DC	S800-UVR60	2CCS800900R0251	1208370	0.15	1
Undervoltage release 110...130 VAC/DC	S800-UVR130	2CCS800900R0261	1208387	0.15	1
Undervoltage release 220...250 VAC/DC	S800-UVR250	2CCS800900R0271	1208394	0.15	1


2CCC413061F0002

Rotary drive adapter for 2- to 4-pole high performance MCB Designation	Type designation	Product number	EAN number 761227	Weight [kg]	Pack. unit
Rotary drive	S800-RD	2CCS800900R0041	1208172	0.08	1


2CCC413062F0001

Anthracite/Standard rotary handle for door assembly Designation	Type designation	Product number	EAN number 80156446	Weight [kg]	Pack. unit
Anthracite rotary handle	S800-RHE-H	1SDA060150R1	25771	0.21	1


2CCC413063F0001

Red/Emergency rotary handle for door assembly Designation	Type designation	Product number	EAN number 80156446	Weight [kg]	Pack. unit
Red rotary handle	S800-RHE-EM	1SDA060151R1	25764	0.21	1

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Accessories


2CCC413064F0001

Axle extension Rotary drive-rotary handle 500 mm Designation	Type designation	Product number	EAN number 80156446	Weight [kg]	Pack. unit
Axial extension 500 mm	S800-RHE-S	1SDA060179R1	26242	0.2	1

IP54 kit for door mounting Designation	Type designation	Product number	EAN number 80156446	Weight [kg]	Pack. unit
IP54 Kit	S800-RHE-IP54	1SDA060180R1	26259	0.08	1


2CCC413068F0001

Intermediate piece 9 mm Designation	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
Intermediate piece 9 mm	S800-IP9	2CCS800900R0031	08202	0.01	1


2CCC413066F0001

Padlock lever lock with hasp Designation	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
Padlock lever lock with hasp 4 mm	S800-PLL	2CCS800900R0051	08189	0.12	10


2CCC413308F0001

UL locking device* Designation	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
UL locking device	S800U-PLL	2CCS800017R0001	15057	0.02	1

*High performance circuit breaker and lockout tag not included in delivery

2CCC413045F0001

Interchangeable adapter kit Designation	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
Cage terminal	S800N-CT2125	2CCS800900R0471	12049	0.03	2
Cage terminal	S800N-CT4125	2CCS800900R0461	12032	0.06	4

2CCC413046F0004

Interchangeable adapter kit Designation	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
Ring terminal connection	S800-RT232	2CCS800900R0431	11981	0.03	2
Ring terminal connection	S800-RT2125	2CCS800900R0161	08240	0.03	2
Ring terminal connection	S800-RT4125	2CCS800900R0131	08219	0.06	4

2CCC413057F0001

Busbar Designation	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
Busbar 250 A	S803-BB250	2CCS800900R0071	08288	1.5	1

2CCC413058F0001

Feed block Designation	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
Feed block 120 mm^2	S803-BBPC120	2CCS800900R0101	08301	0.46	1

2CCC413059F0001

Contact-protection cover Designation	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
Contact-protection cover	S800-BBIC	2CCS800900R0081	08967	0.02	12

End cap Designation	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
End cap	S800-END	2CCS800900R0091	08295	0.04	10

2CCC413254F0001

Pole connector Designation	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
Pole connector 50 A	S802-LINK50	2CCS800900R0411	11295	0.03	3

S800-ILS Designation	Type designation	Product number	EAN number 76122712	Weight [kg]	Pack. unit
Identification labeling system 168 x 6x11.5 mm	S800-ILS	2CCS800900R0121	08271	0.01	1

Assignment of the FI protection devices

Type A	Type AC	Type AS	Type A-AP-R
Pulse current sensitive FI protection device	Alternating current sensitive FI protection device	Pulse current sensitive FI protection device (selective)	Pulse current sensitive FI protection device (short-time delay)


2CCC413051F0001

Quantity Pole	Rated current [A]	Type designation	Type	$I_{\Delta n}$	Product number	EAN No 801254	Weight [kg]	Pack. unit
2	63	DDA802AC-63/0.03	AC	0.03	2CSB802001R1630	2919704	0.3	1
2	63	DDA802AC-63/0.3	AC	0.3	2CSB802001R3630	2919902	0.3	1
2	63	DDA802A-63/0.03	A	0.03	2CSB802101R1630	2920007	0.3	1
2	63	DDA802A-63/0.3	A	0.3	2CSB802101R3630	2920205	0.3	1
2	63	DDA802A-63/0.5	A	0.5	2CSB802101R4630	2920403	0.3	1
2	63	DDA802AS-63/0.3	AS	0.3	2CSB802201R3630	2920601	0.3	1
2	63	DDA802AS-63/1	AS	1	2CSB802201R5630	2920809	0.3	1
2	63	DDA802A-63/0.03AP-R	A-AP-R	0.03	2CSB802401R1630	2921400	0.3	1
2	100	DDA802A-100/0.3	A	0.3	2CSB802101R3000	2545033	0.42	1
2	100	DDA802A-100/0.5	A	0.5	2CSB802101R4000	2542636	0.42	1
2	100	DDA802AS-100/0.3	AS	0.3	2CSB802201R3000	2542537	0.42	1
2	100	DDA802AS-100/1	AS	1	2CSB802201R5000	2547433	0.42	1
2	100	DDA802A-100/0.03AP-R	A-AP-R	0.03	2CSB802401R1000	2544630	0.42	1


2CCC413052F0001

3	63	DDA803AC-63/0.03	AC	0.03	2CSB803001R1630	2922001	0.4	1
3	63	DDA803AC-63/0.3	AC	0.3	2CSB803001R3630	2922209	0.4	1
3	63	DDA803A-63/0.03	A	0.03	2CSB803101R1630	2922308	0.4	1
3	63	DDA803A-63/0.3	A	0.3	2CSB803101R3630	2922506	0.4	1
3	63	DDA803A-63/0.5	A	0.5	2CSB803101R4630	2922704	0.4	1
3	63	DDA803AS-63/0.3	AS	0.3	2CSB803201R3630	2922902	0.4	1
3	63	DDA803AS-63/1	AS	1	2CSB803201R5630	2923206	0.4	1
3	63	DDA803A-63/0.03AP-R	A-AP-R	0.03	2CSB803401R1630	2923800	0.4	1
3	100	DDA803A-100/0.3	A	0.3	2CSB803101R3000	2544135	0.64	1
3	100	DDA803A-100/0.5	A	0.5	2CSB803101R4000	2541738	0.64	1
3	100	DDA803AS-100/0.3	AS	0.3	2CSB803201R3000	2544838	0.64	1
3	100	DDA803AS-100/0.5	AS	0.5	2CSB803201R4000	2542438	0.64	1
3	100	DDA803AS-100/1	AS	1	2CSB803201R5000	2547334	0.64	1
3	100	DDA803A-100/0.03AP-R	A-AP-R	0.03	2CSB803401R1000	2542230	0.64	1


2CCC413053F0001

4	63	DDA804AC-63/0.03	AC	0.03	2CSB804001R1630	2924401	0.46	1
4	63	DDA804AC-63/0.3	AC	0.3	2CSB804001R3630	2924609	0.46	1
4	63	DDA804A-63/0.03	A	0.03	2CSB804101R1630	2924807	0.46	1
4	63	DDA804A-63/0.3	A	0.3	2CSB804101R3630	2925002	0.46	1
4	63	DDA804A-63/0.5	A	0.5	2CSB804101R4630	2925200	0.46	1
4	63	DDA804AS-63/0.3	AS	0.3	2CSB804201R3630	2926207	0.46	1
4	63	DDA804AS-63/1	AS	1	2CSB804201R5630	2926504	0.46	1
4	63	DDA804A-63/0.03AP-R	A-AP-R	0.03	2CSB804401R1630	2927709	0.46	1
4	100	DDA804A-100/0.3	A	0.3	2CSB802101R3000	2545033	0.77	1
4	100	DDA804A-100/0.5	A	0.5	2CSB802101R4000	2542636	0.77	1
4	100	DDA804AS-100/0.3	AS	0.3	2CSB804201R3000	2544739	0.77	1
4	100	DDA804AS-100/0.5	AS	0.5	2CSB804201R4000	2542339	0.77	1
4	100	DDA804AS-100/1	AS	1	2CSB804201R5000	2547235	0.77	1
4	100	DDA804A-100/0.03AP-R	A-AP-R	0.03	2CSB804401R1000	2547136	0.77	1


2CCC413257F0001

Quantity Pole	Rated current [A]	Type designation	Type	$I_{\Delta n}$	Product number 2CC	EAN No 76122712	Weight [kg]	Pack. unit
2	125	DS802S-B125/0.03AP-R	A-AP-R	0.03	B862004R0845	11301	0.79	1
2	125	DS802S-C125/0.03AP-R	A-AP-R	0.03	B862004R0844	11318	0.79	1
2	125	DS802S-D125/0.03AP-R	A-AP-R	0.03	B862004R0841	11325	0.79	1
2	125	DS802S-K125/0.03AP-R	A-AP-R	0.03	B862004R0647	11332	0.79	1
2	125	DS802N-B125/0.03AP-R	A-AP-R	0.03	B892004R0845	11424	0.79	1
2	125	DS802N-C125/0.03AP-R	A-AP-R	0.03	B892004R0844	11431	0.79	1
2	125	DS802N-D125/0.03AP-R	A-AP-R	0.03	B892004R0841	11448	0.79	1
2	125	DS802S-B125/1AS	AS	1	C862006R0845	11516	0.79	1
2	125	DS802S-C125/1AS	AS	1	C862006R0844	11523	0.79	1
2	125	DS802S-D125/1AS	AS	1	C862006R0841	11530	0.79	1
2	125	DS802S-K125/1AS	AS	1	C862006R0647	11547	0.79	1
2	125	DS802N-B125/1AS	AS	1	C892006R0845	11639	0.79	1
2	125	DS802N-C125/1AS	AS	1	C892006R0844	11646	0.79	1
2	125	DS802N-D125/1AS	AS	1	C892006R0841	11653	0.79	1
2	125	DS802S-B125/0.3A	A	0.3	A862005R0845	11721	0.79	1
2	125	DS802S-C125/0.3A	A	0.3	A862005R0844	11738	0.79	1
2	125	DS802S-D125/0.3A	A	0.3	A862005R0841	11745	0.79	1
2	125	DS802S-K125/0.3A	A	0.3	A862005R0647	11752	0.79	1
2	125	DS802N-B125/0.3A	A	0.3	A892005R0845	11844	0.79	1
2	125	DS802N-C125/0.3A	A	0.3	A892005R0844	11851	0.79	1
2	125	DS802N-D125/0.3A	A	0.3	A892005R0841	11868	0.79	1


2CCC413258F0001

3	125	DS803S-B125/0.03AP-R	A-AP-R	0.03	B863004R0845	11349	1.14	1
3	125	DS803S-C125/0.03AP-R	A-AP-R	0.03	B863004R0844	11356	1.14	1
3	125	DS803S-D125/0.03AP-R	A-AP-R	0.03	B863004R0841	11363	1.14	1
3	125	DS803S-K125/0.03AP-R	A-AP-R	0.03	B863004R0647	11370	1.14	1
3	125	DS803N-B125/0.03AP-R	A-AP-R	0.03	B893004R0845	11455	1.14	1
3	125	DS803N-C125/0.03AP-R	A-AP-R	0.03	B893004R0844	11462	1.14	1
3	125	DS803N-D125/0.03AP-R	A-AP-R	0.03	B893004R0841	11479	1.14	1
3	125	DS803S-B125/0.3A	A	0.3	A863005R0845	11769	1.14	1
3	125	DS803S-C125/0.3A	A	0.3	A863005R0844	11776	1.14	1
3	125	DS803S-D125/0.3A	A	0.3	A863005R0841	11783	1.14	1
3	125	DS803S-K125/0.3A	A	0.3	A863005R0647	11790	1.14	1
3	125	DS803N-B125/0.3A	A	0.3	A893005R0845	11875	1.14	1
3	125	DS803N-C125/0.3A	A	0.3	A893005R0844	11882	1.14	1
3	125	DS803N-D125/0.3A	A	0.3	A893005R0841	11899	1.14	1

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Accessories


2CCC413259F0001

Quantity Pole	Rated current [A]	Type designation	Type	$I_{\Delta n}$	Product number 2CC	EAN No 76122712	Weight [kg]	Pack. unit
4	125	DS804S-B125/0.03AP-R	A-AP-R	0.03	B864004R0845	11387	1.44	1
4	125	DS804S-C125/0.03AP-R	A-AP-R	0.03	B864004R0844	11394	1.44	1
4	125	DS804S-D125/0.03AP-R	A-AP-R	0.03	B864004R0841	11400	1.44	1
4	125	DS804S-K125/0.03AP-R	A-AP-R	0.03	B864004R0647	11417	1.44	1
4	125	DS804N-B125/0.03AP-R	A-AP-R	0.03	B894004R0845	11486	1.44	1
4	125	DS804N-C125/0.03AP-R	A-AP-R	0.03	B894004R0844	11493	1.44	1
4	125	DS804N-D125/0.03AP-R	A-AP-R	0.03	B894004R0841	11509	1.44	1
4	125	DS804S-B125/0.3AS	AS	0.3	C864005R0845	11554	1.44	1
4	125	DS804S-C125/0.3AS	AS	0.3	C864005R0844	11561	1.44	1
4	125	DS804S-D125/0.3AS	AS	0.3	C864005R0841	11578	1.44	1
4	125	DS804S-K125/0.3AS	AS	0.3	C864005R0647	11585	1.44	1
4	125	DS804S-B125/1AS	AS	1	C864006R0845	11592	1.44	1
4	125	DS804S-C125/1AS	AS	1	C864006R0844	11608	1.44	1
4	125	DS804S-D125/1AS	AS	1	C864006R0841	11615	1.44	1
4	125	DS804S-K125/1AS	AS	1	C864006R0647	11622	1.44	1
4	125	DS804N-B125/0.3AS	AS	0.3	C894005R0845	11660	1.44	1
4	125	DS804N-C125/0.3AS	AS	0.3	C894005R0844	11677	1.44	1
4	125	DS804N-D125/0.3AS	AS	0.3	C894005R0841	11684	1.44	1
4	125	DS804N-B125/1AS	AS	1	C894006R0845	11691	1.44	1
4	125	DS804N-C125/1AS	AS	1	C894006R0844	11707	1.44	1
4	125	DS804N-D125/1AS	AS	1	C894006R0841	11714	1.44	1
4	125	DS804S-B125/0.3A	A	0.3	A864005R0845	11806	1.44	1
4	125	DS804S-C125/0.3A	A	0.3	A864005R0844	11813	1.44	1
4	125	DS804S-D125/0.3A	A	0.3	A864005R0841	11820	1.44	1
4	125	DS804S-K125/0.3A	A	0.3	A864005R0647	11837	1.44	1
4	125	DS804N-B125/0.3A	A	0.3	A894005R0845	11905	1.44	1
4	125	DS804N-C125/0.3A	A	0.3	A894005R0844	11912	1.44	1
4	125	DS804N-D125/0.3A	A	0.3	A894005R0841	11929	1.44	1

Table of content S800

High Performance MCB S800
Characteristics of the S and N series

Characteristics

B

2CCC413001F0002

C

2CCC413005F0002

D

2CCC413009F0002

Tripping characteristic B
Thermal tripping 1.13 ...1.3 x I_n
Electromagnetic tripping
3 ... 5 x I_n AC
Calibration temperature 30 °C

As circuit breaker for electric circuits feeding consumers that do not generate any current peaks, or only mild ones (boilers, electric heaters, cooking stoves).

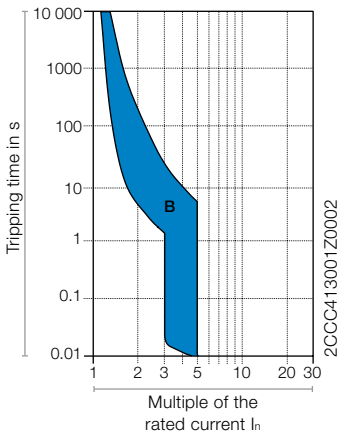
Tripping characteristic C
Thermal tripping 1.13 ...1.3 x I_n
Electromagnetic tripping
5 ...10 x I_n AC
Calibration temperature 30 °C

As „standard“ MCB for electric circuits feeding consumers that generate current peaks normal within inductive devices (fluorescent tubes, electric discharge lamps) as well as for circuits within sockets in commercially used systems/plants.

Tripping characteristic D
Thermal tripping 1.13 ... 1.3 · I_n
Electromagnetic tripping
10 ... 20 x I_n AC
Calibration temperature 30 °C

As main circuit breaker for electric circuits feeding consumers that generate extremely high current peaks (transformers, capacitor banks).
As main circuit breaker connected upstream of other circuit breakers (reference overcurrent circuit breaker).

Tripping characteristics



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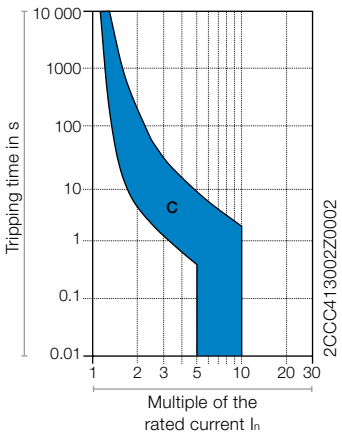

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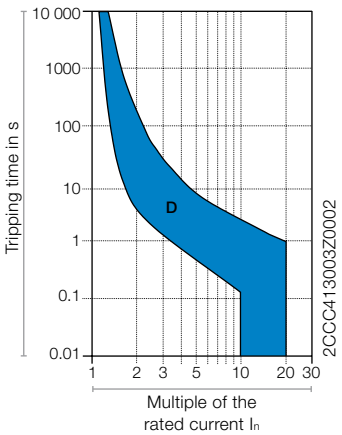

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Tripping behaviour compliant to EN 60898-1

		Thermal tripping			
Characteristics	**Currents**	**Small test current**	**Large test current**	**Small test current**	**Large test current**
B	6 ... 80 A	1.13 x I_n	1.45 x I_n	3 x I_n	5 x I_n
C	6 ... 80 A	1.13 x I_n	1.45 x I_n	5 x I_n	10 x I_n
D	6 ... 80 A	1.13 x I_n	1.45 x I_n	10 x I_n	20 x I_n

* applies exclusively to the S series.

K

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UCB

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UCK

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Tripping characteristic K

Thermal tripping 1.05 ...1.2 x I_n
Electromagnetic tripping
13 x I_n AC
Calibration temperature 40 °C

Serves as High Performance MCB in case of high magnetic inrush currents that occur, e.g. in engines or transformers. This characteristic provides the best protection for a wide range of electrical systems by allowing high inrush currents when starting up the system.

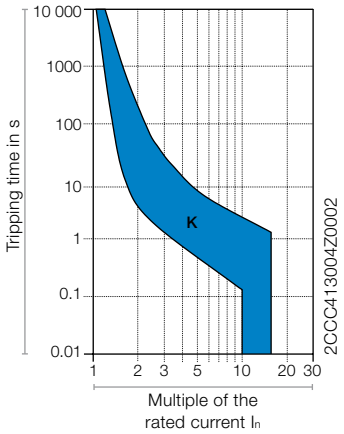
Tripping characteristic UCB

Thermal tripping 1.05 ...1.3 x I_n
Electromagnetic tripping
6 x I_n DC
Calibration temperature 30 °C

Device protection independent of polarity within DC plants up to 750 V = at a time constant of ≤15 ms (emergency networks, electroplating, etc.).

Tripping characteristic UCK

Thermal tripping 1.05 ...1.2 x I_n
Electromagnetic tripping
11 x I_n DC
Calibration temperature 40 °C



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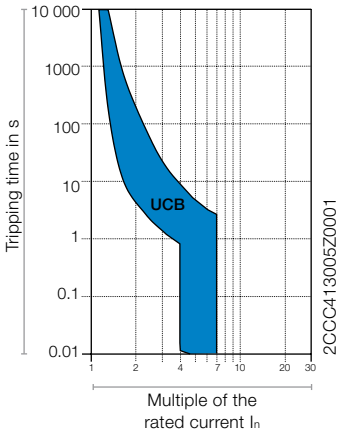

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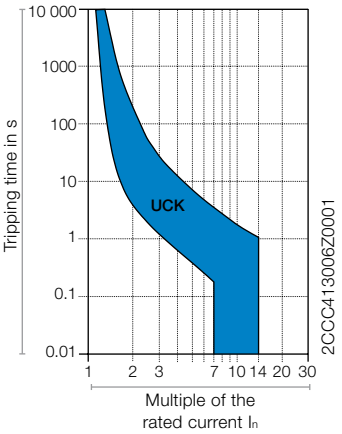

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Tripping behaviour compliant to IEC 60947-2

		Thermal tripping		Electromagnetic tripping
Characteristics	Currents	Small test current	Large test current	
B	6 ... 125 A	1.05 x I_n	1.30 x I_n	4 x I_n ± 20%
C	6 ... 125 A	1.05 x I_n	1.30 x I_n	8 x I_n ± 20%
D	6 ... 125 A	1.05 x I_n	1.30 x I_n	13 x I_n ± 20%
***K**	6 ... 125 A	1.05 x I_n	1.20 x I_n	13 x I_n ± 20%
***KM**	20 ... 63 A			13 x I_n ± 20%
***UCB**	10 ... 125 A	1.05 x I_n	1.30 x I_n	6 x I_n ± 20% (DC)
***UCK**	10 ... 125 A	1.05 x I_n	1.20 x I_n	11 x I_n ± 20% (DC)

High Performance MCB S800
Characteristics of the C series

Characteristics

B

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C

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D

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Tripping characteristic B
Thermal tripping 1.13 ...1.3 x I_n
Electromagnetic tripping
3 ... 5 x I_n AC
Calibration temperature 30 °C

As circuit breaker for electric circuits feeding consumers that do not generate any current peaks, or only mild ones (boilers, electric heaters, cooking stoves).

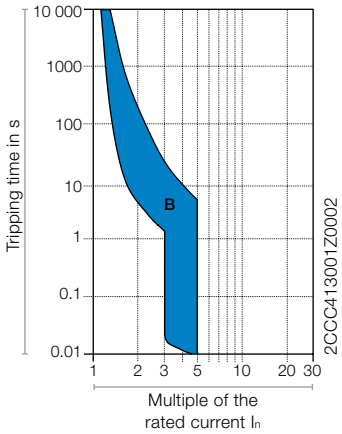
Tripping characteristic C
Thermal tripping 1.13 ...1.3 x I_n
Electromagnetic tripping
5 ...10 x I_n AC
Calibration temperature 30 °C

As „standard“ MCB for electric circuits feeding consumers that generate current peaks normal within inductive devices (fluorescent tubes, electric discharge lamps) as well as for circuits within sockets in commercially used systems/ plants.

Tripping characteristic D
Thermal tripping 1.13 ...1.3 x I_n
Electromagnetic tripping
10 ... 20 x I_n AC
Calibration temperature 30 °C

As main circuit breaker for electric circuits feeding consumers that generate extremely high current peaks (transformers, capacitor banks).
As main circuit breaker connected upstream of other circuit breakers (reference overcurrent circuit breaker).

Tripping characteristics



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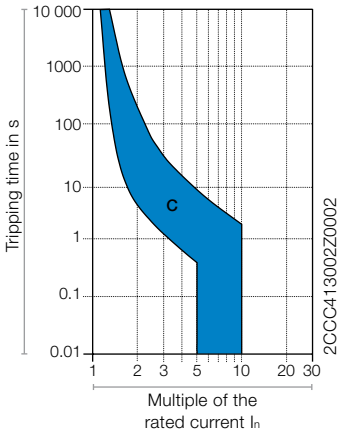

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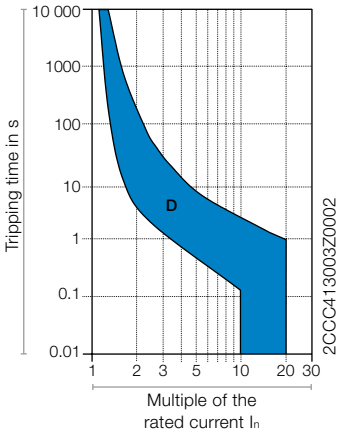

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Tripping behaviour compliant to EN 60898-1

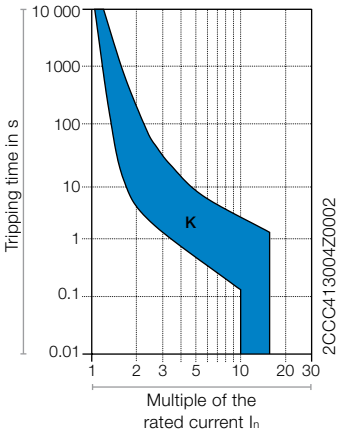
		Thermal tripping		Electromagnetic tripping	
Characteristics	Currents	Small test current	Large test current	Small test current	Large test current
B	10 ... 125 A	1.13 x I_n	1.45 x I_n	3 x I_n	5 x I_n
C	10 ... 125 A	1.13 x I_n	1.45 x I_n	5 x I_n	10 x I_n
D	10 ... 100 A	1.13 x I_n	1.45 x I_n	10 x I_n	20 x I_n

K

Tripping characteristic K

Thermal tripping 1.05 ...1.2 x I_n
Electromagnetic tripping
13 x I_n AC
Calibration temperature 40 °C

Serves as High Performance MCB in case of high magnetic inrush currents that occur, e.g. in engines or transformers. This characteristic provides the best protection for a wide range of electrical systems by allowing high inrush currents when starting up the system.



Tripping behaviour compliant to IEC 60947-2

		Thermal tripping		Electromagnetic tripping
Characteristics	Currents	Small test current	Large test current	
B	10 ... 125 A	1.05 x I_n	1.30 x I_n	4 x I_n ± 20%
C	10 ... 125 A	1.05 x I_n	1.30 x I_n	8 x I_n ± 20%
D	10 ... 125 A	1.05 x I_n	1.30 x I_n	13 x I_n ± 20%
K	10 ... 125 A	1.05 x I_n	1.20 x I_n	13 x I_n ± 20%

High Performance MCB S800
Characteristics of the U series

Characteristics

Z

Tripping characteristic Z
Electromagnetic tripping
4 x I_n AC
Calibration temperature 25 °C

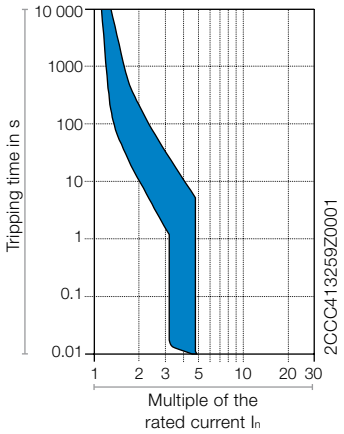
As miniature circuit breaker for electric circuits feeding consumers that do not generate any current peaks, or only mild ones.

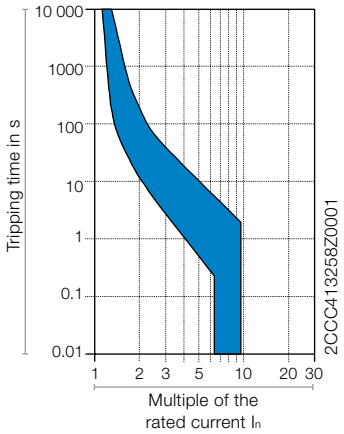
K

Tripping characteristic K
Electromagnetic tripping
8 x I_n AC
Calibration temperature 25 °C

Serves as High Performance MCB in case of high magnetic inrush currents that occur, e.g. in engines or transformers. This characteristic provides the best protection for a wide range of electrical systems by allowing high inrush currents when starting up the system.

Tripping characteristics





Tripping behaviour compliant to UL 489

		Thermal tripping		Electromagnetic tripping
Characteristics	Currents	Small test current	Large test current	
Z	10 ... 100 A	1.00 x I_n	1.35 x I_n	4 x I_n ± 20%
K	10 ... 100 A	1.00 x I_n	1.35 x I_n	8 x I_n ± 20%

Photovoltaic High Performance MCB
Characteristic of the S800PV-S

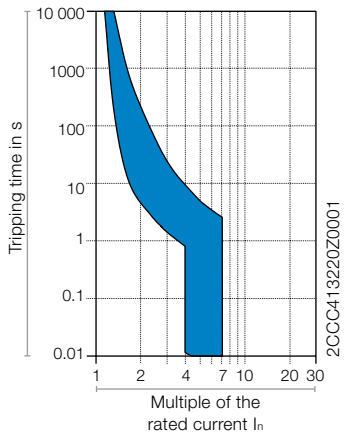
Characteristics

Tripping characteristic

Thermal tripping 1.05 ...1.3 x I_n
Electromagnetic tripping 6 x I_n
Calibration temperature 30 °C

DC protection independent of polarity in photovoltaic plants up to 1200 VDC at a time constant ≤ 5 ms.

Tripping characteristics



Tripping behaviour compliant to IEC 60947-2

		Thermal tripping		Electromagnetic tripping
Characteristics	Currents	Small test current	Large test current	
PV-S	10 ... 125 A	1.05 x I_n	1.30 x I_n	6 x I_n (DC)

Properties
Special features of S800

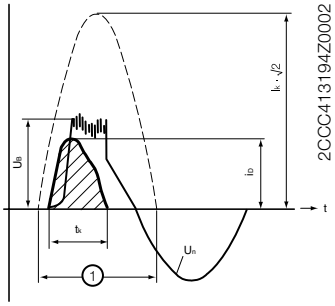
The S800S, -N and -C high performance MCBs: safe innovation

The S800 high performance MCB limits energy and current in case of a short-circuit power cut-off. Its specially developed double arcing chamber system ensures these excellent operating properties. In this way, each single pole of an S800 can build up double the amount of reverse voltage in comparison to conventional single arcing chamber systems.
The electric arc is therefore eliminated quickly and safely in the arcing chamber.
This provides additional protection is case of incorrect wiring.
Additional exceptional features of the S800 series are:

Convincing:	Selectivity to upstream overcurrent protection devices due to a total switch-off time of only ≤ 2.5 ms.
Safe:	Excellent backup protection by limiting the energy to a value ≤ 100 000 A^2s (125A / 50 kA). In case of short-circuit, there is a low load to the circuit and the location of the damage due to the sever limitation of the cut-off - $\int i^2dt$ Joule effect value.
Loads:	Up to 125 A rated current
Checked:	**S series** up to 50 kA rated ultimate short-circuit breaking capacity I_{cu} **N series** up to 36 kA rated ultimate short-circuit breaking capacity I_{cu} **C series** up to 25 kA rated ultimate short-circuit breaking capacity I_{cu}
Selectable:	Characteristics: S series: B, C, D, K, KM, UCB, UCK N series: B, C, D C series: B, C, D, K
Compact:	Smallest sizes.
Flexible:	Accessories installed by the customer.

S800U: Highest safety now also ensured for UL applications

Convincing:	Can be used up to 240 V
Safe:	Excellent backup protection due to limitation of energy.
Loads:	Up to 100 A rated current
Checked:	Rated ultimate short-circuit breaking capacity from 30 kA with 1-pole devices 50 kA with 2 to 4 pole devices compliant to UL 489
Selectable:	Characteristics: Z, K
Compact:	Smallest sizes.
Flexible:	Accessories installed by the customer.



1 sinus half-wave
50 Hz ≙ T/2 = 10 ms

Short description

Two triggers detect overcurrents, effect the switching station and provide short-circuit protection.

1. The thermal trip for overload protection with time delay.
2. The electromagnetic fast-acting trip with concrete anchor for short-circuit protection.

$I_k \times \sqrt{2}$	peak value of the prospective short-circuit current
i_D	max. let-through current of the S800 high performance MCB
U_n	supply voltage
U_B	build up and collapse of the arc voltage
t_K	Turn-off time of S800 high performance MCB

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Play it safe: display the operational state

The mechanical drive of the S800 high performance MCB is equipped with a trip-free release. It therefore switches independent of the actuating force or speed on the actuating lever. The trip position display thereby always reliably displays the exact position of the moving contact. The trip position display* provides additional trip detection allowing you to easily find the reason for the cut-off. Because the switch lever moves to the middle position in case of thermal or magnetic tripping, the user sees at a glance that this is an error state and can then initiate suitable measures.

*Middle position of switch lever, see picture

Reliable: the disconnector properties

In the OFF position (0 position), the S800 high performance MCB guarantees safe electrical isolation of the circuit compliant to IEC 60947-2.

Flexible: the installation

The S800 high performance MCB can be directly mounted onto any position on the DIN mounting rail without any impairment to its characteristics. Because the pole dimensions are identical for all rated currents, installation in switching systems is simplified.

Cage and ring terminals for the S800S

When ordering you can choose between cage terminals or ring terminal connectors. No matter which type you select (cage terminal or ring terminal connector): the replaceable terminal adapter is always equipped with a separate flat connection (6.3 mm) on the feed and load side. This connection allows even wires with the smallest cross-sections of up to 2.5 mm^2 and 6 A to be connected, independent of the connected cross-section.

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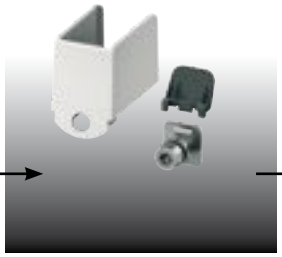

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Doesn't let go: the replaceable terminal adapter*

The S800 standard equipment with interchangeable terminal adapter for wires, cables and rigid conductors guarantees a high level of flexibility and comfort. Fast and safe connection of the conductors is ensured by the „onboard terminal shutter" integrated into the body of the terminal, thereby preventing incorrect underclamping of the connections.

* Available for the S, N, U and PV series.

Properties
Special features of S800

Extra safe: Fire protection acc. to NF F 16-101 and NF F 16-102 (prEN45545-2)

The S800 high performance MCB provides standard compliance to the requirements of Standard prEN45545-2 (Railway applications – Fire Protection on railway vehicles – Part 2: Requirements for fire behaviour of materials and components). This standard is based on the French standard NF F 16-101/ NF F 16-102 and makes new requirements of the fire behaviour of the materials used. The main focus of attention with relation to fire protection is on the following:

- Flame spread
- Rate of heat release
- Smoke development
- Toxicity

The S800 high performance automatic meets the following classification compliant to NF F 16-101 and NF F 16-102:

- I3F2
  I3 no permanent flame at 850 °C
  F2 index of fume density and toxicity ≤ 40

Elevation

Up to 2000 meters above sea level, the rated characteristics of the S800 high performance MCB remain unchanged. With increasing height, the properties of the atmosphere change regarding composition, dielectricity, the cooling capacity and the pressure. The characteristics of the S800 high performance MCB therefore change; this can be measured for the most part using the change in significant parameters such as the maximum rated operational voltage and the rated current.

Elevation	[m]	2000	3000	4000	5000
Rated impulse withstand voltage U_{imp}	[kV]	8	6	6	6
Rated operational voltage U_e	[V]	400/690	289/500	240/415	240/415
Max. rated current I_n	[A]	1 x I_n	0.96 x I_n	0.93 x I_n	0.9 x I_n

Properties
DC Performance

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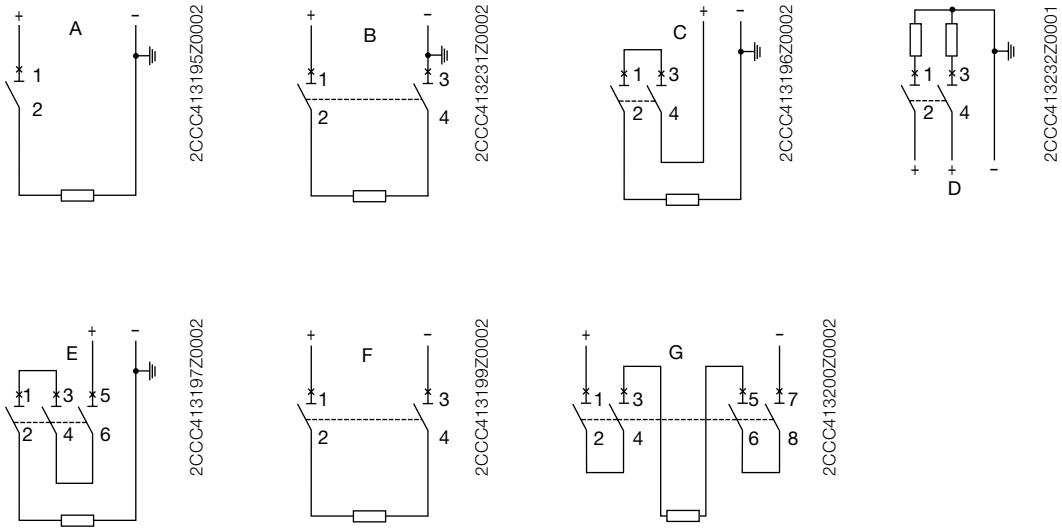
S800S-UC: The first choice as DC high performance MCB

The S800S-UC DC high performance MCB is at home in a wide range of DC applications. Due to their high rated operational voltage of up to 750 VDC (naturally over the entire range of rated current up to 125 A), with a rated ultimate short-circuit breaking capacity of 50 kA and an independent polarity connection, the models with the characteristics UCB and UCK are eminently suited for all possible DC applications such as, e.g.:

– DC track
– Galavanic applications
– Photovoltaics

S800S, N, and C: Up to 125 VDC on each pole

The AC range is also an interesting choice for DC applications up to 125 VDC per pole.



S800S-UC

Graphic	Short-circuit between output terminals	Contact to ground between output terminals and -
A	250 VDC	250 VDC
B	500 VDC	250 VDC
C	500 VDC	500 VDC
D	250 VDC	250 VDC
E	750 VDC	750 VDC
F	500 VDC	250 VDC (double failure)
G	750 VDC	500 VDC (double failure)

S800S, S800N, S800C

Graphic	Short-circuit between output terminals	Contact to ground between output terminals and -
A	125 VDC	125 VDC
B	250 VDC	125 VDC
C	250 VDC	250 VDC
D	125 VDC	125 VDC
E	375 VDC	375 VDC
F	250 VDC	125 VDC (double failure)
G	500 VDC	125 VDC (double failure)

Properties
Special features of S800PV-S, S800PV-M

String protection with S800PV-S

A large proportion of the costs for photovoltaic systems is tied up in the equipment for the DC generation. The S800PV-S protects these investments in the event of a fault.

Convincing:	Suitable for up to 1200 VDC
Loadable:	String protection up to 125 A
	Reliable protection at high ambient temperatures
Tested:	Rated ultimate short-circuit breaking capacity I_{cu} of 5 kA in accordance with IEC60947-2
Fast:	Reclosable for minimum standstill times
Safe:	Disconnector properties, switching under load
Flexible:	Extensive range of accessories for remote shutdown and fault signalling

System isolation with S800PV-M

The use of a DC isolator can be implemented reliably and in the minimum of space with the S800PV-M. Not only the pole-independent installation offers enormous user friendliness here:

Convincing:	Suitable for up to 1200 VDC
Loadable:	System isolation up to 125 A
	No change in operating behaviour up to 60 °C ambient temperature
	Reliable switching of ohmic and industive loads
Compact:	Minimum dimensions with maximum efficiency
Tested:	Short-time withstand current I_{cw} of 1.5 kA in accordance with IEC60947-3
Safe:	Disconnector properties, switching under load

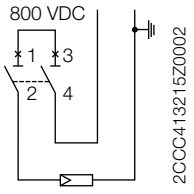
Maximum device voltages

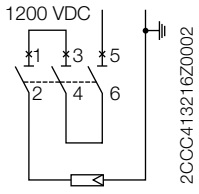
S800PV-S	2-pole	3-pole	4-pole
I_e 10...80 A	800 VDC	1200 VDC	1200 VDC
I_e 100, 125 A	600 VDC	1000 VDC	1200 VDC

S800PV-M			
I_e 32, 63, 125 A	800 VDC	1200 VDC	1200 VDC

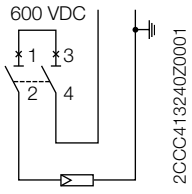
Exemplary circuit diagrams

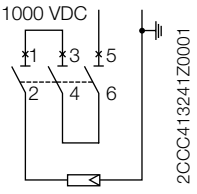
Earthed network **≤ 80 A**



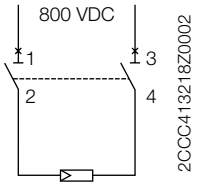


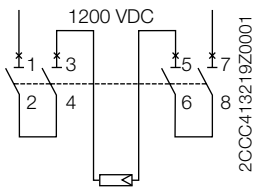
100, 125 A

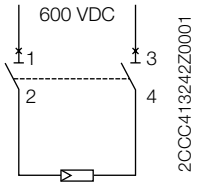


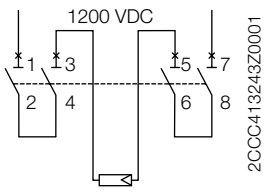


Non-earthed network









Properties
International device releases

Unique: Conformity to standards and quality assurance

Both the S800 high performance MCB as well as its accessories comply to international standards EN/IEC 60898-1, IEC 60947-2 and UL 489. Conformity to the above-mentioned product standards and guidelines are certified by the electrosuisse, a member of the IECEE and the Underwrites Laboratories Inc. The quality assurance system of ABB Schweiz AG CMC Low Voltage Products complies to the international standard ISO 9001:2000. The efforts of ISO14001-certified ABB Schweiz AG CMC Low Voltage Products within the field of environmental protection are not only limited to compliance to international standards; we are also engaged and active of our own accord in protecting the environment – and for achieving the targets of reduction in CO_2 emissions we have received as confirmation the EnAW label of the economic energy agency. To retain this label, an independent check is made every two years.

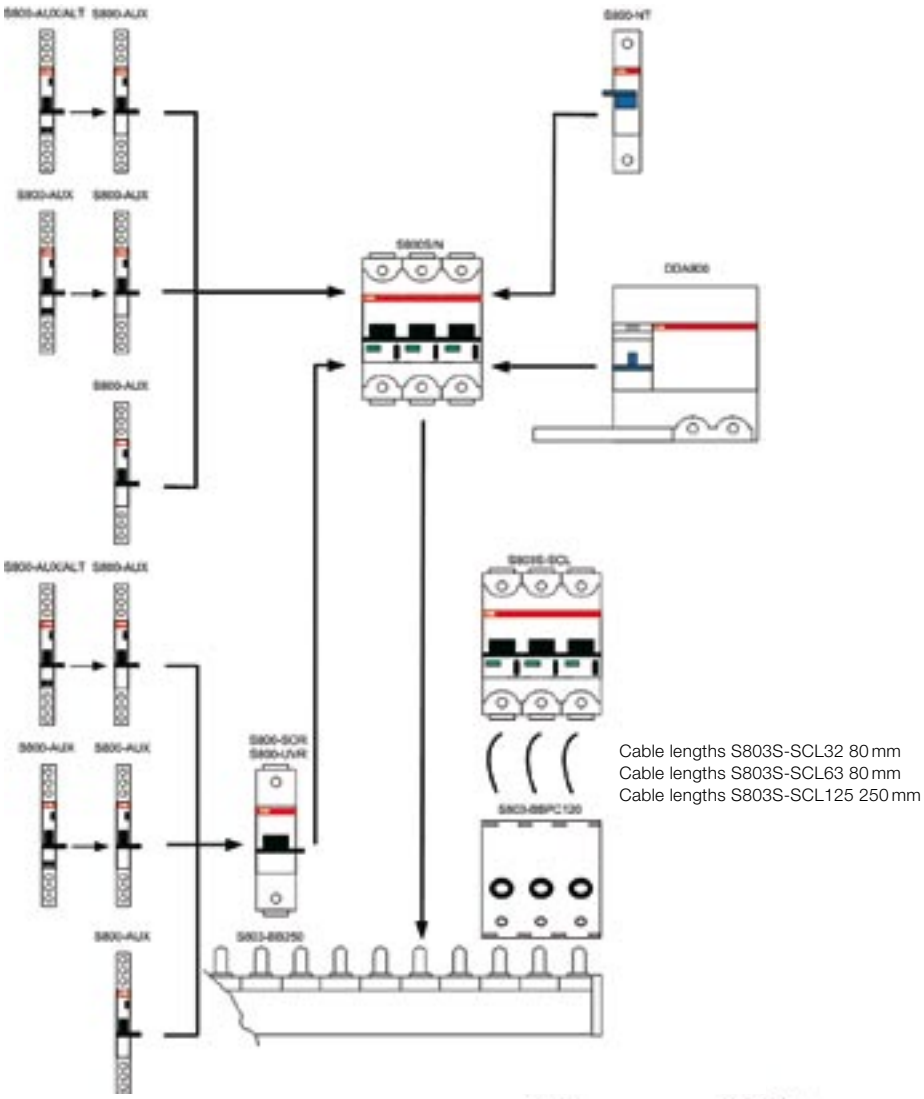
We are committed to a holistic approach in the reduction of environmental pollution. Among other things, this is manifested in our choice of non-toxic plastics, recyclable packaging material and environmentally sound handling of resources.

Approvals

Properties

Accessories for the S, N and C series

Electrical properties



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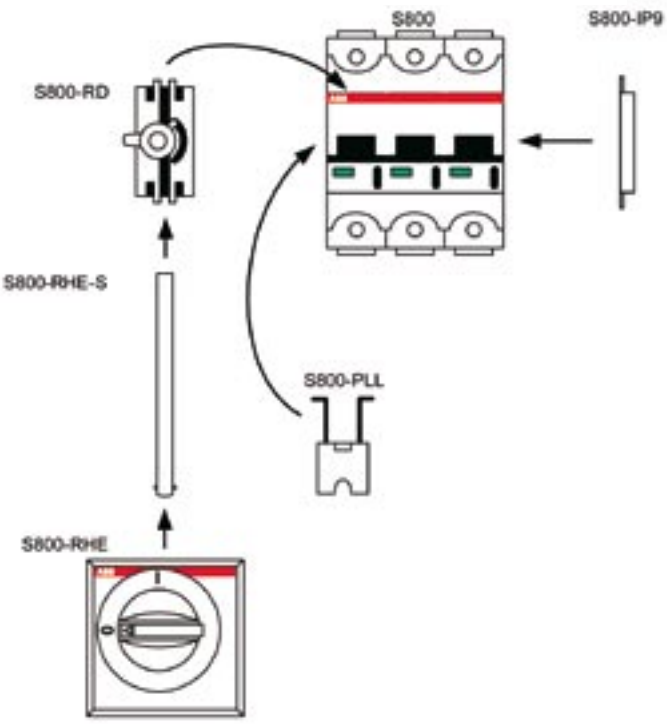

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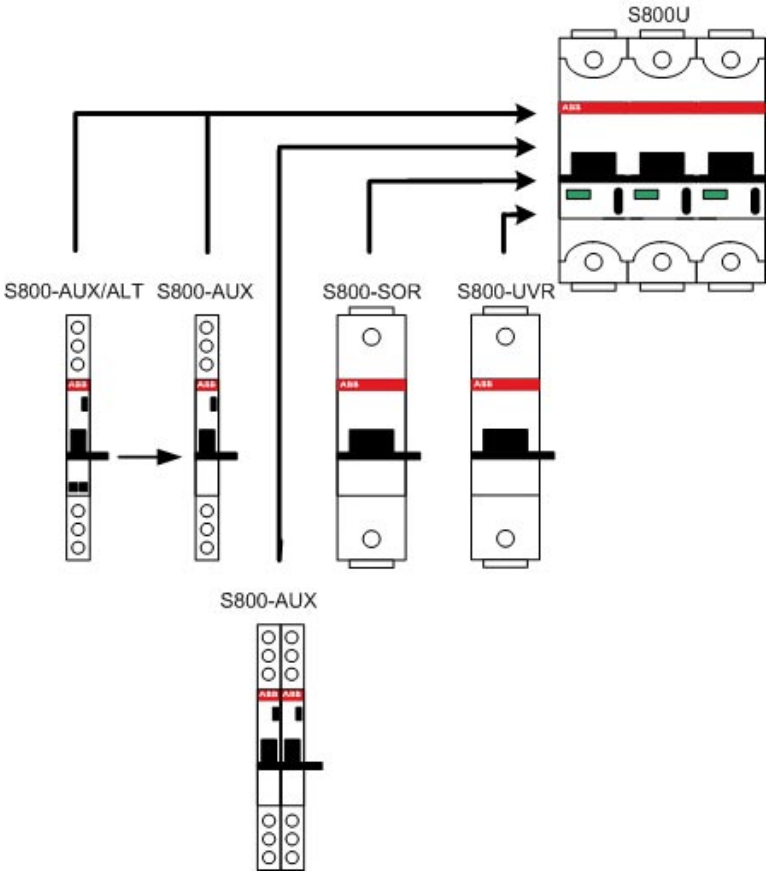
Properties
Accessories for the U series

Electrical properties



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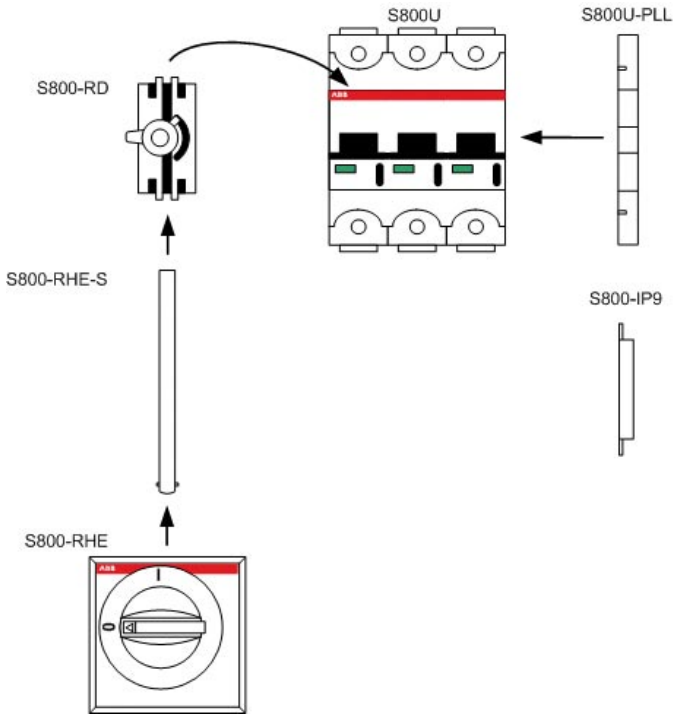

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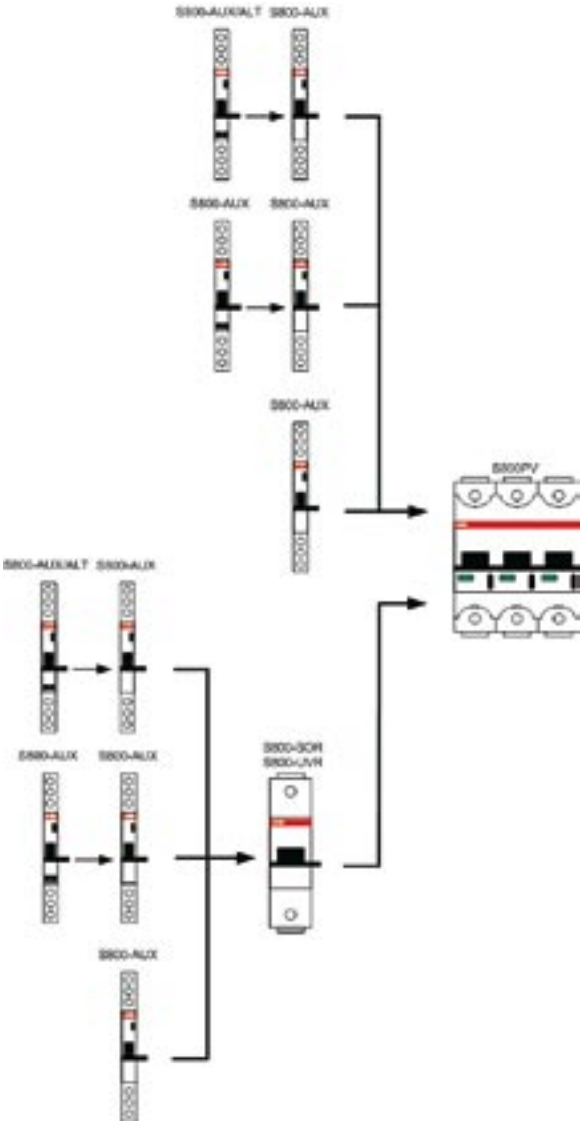
Properties
Accessories for the PV series

Electrical properties



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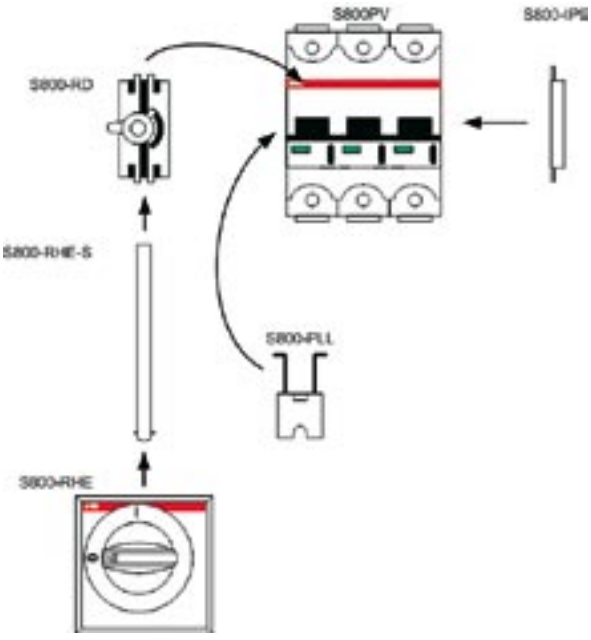

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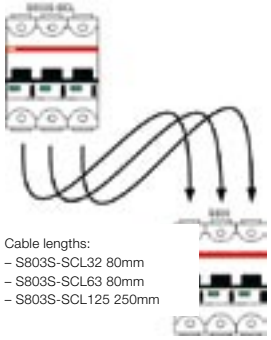
Properties
Accessories

S803S-SCL
Short-circuit current limiter

The S803S used together with an S803S-SCL ensures reliable switch-off of short-circuit currents up to **100 kA**, at an operating voltage of 440 VAC and over the entire rated current range of up to 125 A.
For applications at 690 VAC, the combination of S803S-SCL ensures reliable short-circuit protection up to **50 kA**; here also, this is ensured over the entire rated current range up to 125 A, typical for the S800.

Example combinations	Rated operational voltage U_e	Ultimate short-circuit breaking capacity I_{cu}	Service short-circuit breaking capacity I_{cs}
S803S-SCL125 +	440 VAC	100 kA	100 kA
S803S-C125	690 VAC	50 kA	50 kA
S803S-SCL63 +	440 VAC	100 kA	100 kA
S803S-K63	690 VAC	50 kA	50 kA
S803S-SCL32 +	440 VAC	100 kA	100 kA
S803S-B16	690 VAC	50 kA	50 kA

Single protection



Cable lengths:
– S803S-SCL32 80mm
– S803S-SCL63 80mm
– S803S-SCL125 250mm

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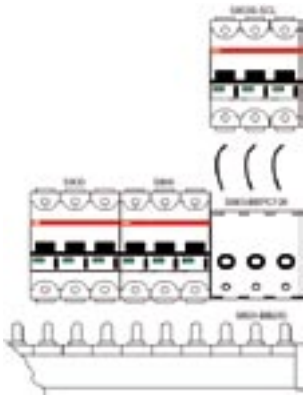
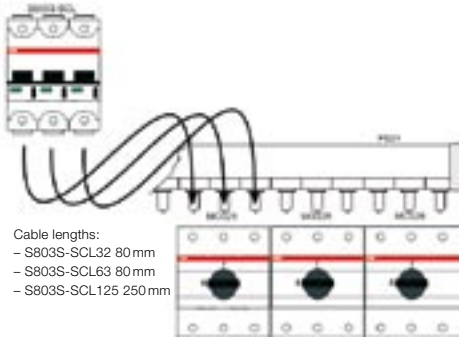
Group protection



Cable lengths:
– S803S-SCL32 80 mm
– S803S-SCL63 80 mm
– S803S-SCL125 250 mm

2CCC413207Z0002

Group protection



Cable lengths:
– S803S-SCL32 80 mm
– S803S-SCL63 80 mm
– S803S-SCL125 250 mm

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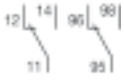


S800-AUX
Auxiliary contact for external display

The S800-AUX auxiliary contact is for electrical display of the operating state of the high performance MCB. Both changeover contacts always switch simultaneously with the live conductor contact and detect the following operating states:
– Manual tripping
– Tripping due to thermal overload
– Tripping due to magnetic overload (short-circuit)

Mode of function of the test button

The test button is operated by a tool and allows the user to simulate the mode of function of the auxiliary contact when switched on without tripping the high performance MCB itself.

Mode of function of the two changeover contacts

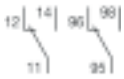
– Off position of the high performance MCB contacts 11–12 and 21–22 closed
– On position of the high performance MCB contacts 11–14 und 21–24 closed

Mounting ability of the auxiliary contact

– Two S800-AUX auxiliary contacts can be mounted by the user at the left on the high performance MCB.

Properties
Accessories

2CCC413070F0001



S800-AUX/ALT
Combined auxiliary and signal contact for the external display

The S800-AUX/ALT combined auxiliary and signal contact is used for electrical signaling of the operating state of the high performance MCB.
The **AUX** auxiliary contact always switches simultaneously with the live conductor contact and detect the following forms of tripping:
- Manual switch on/off
- Tripping due to thermal overload
- Tripping due to magnetic overload (short-circuit)
- Tripping by S800-SOR or S800-UVR

The **ALT** signal contact detects the following forms of tripping of the high performance MCB:
- Tripping due to thermal overload
- Tripping due to magnetic overload (short-circuit)
- Tripping by S800-SOR or S800-UVR

Mode of function of the test button

The test button is operated by a tool and allows the user to simulate the mode of function of the combined auxiliary and signal contact when switched on without tripping the high performance MCB itself.

Mode of function of the ALT reset button

The reset button, which can be used at will, resets the **ALT** signal contact after a tripping.
The high performance MCB is switched on independent of the state of the **ALT** signal contact.

Mode of function of the AUX changeover contact

– Off position of the high performance MCB	Contact 11–12 closed
– On position of the high performance MCB	Contact 11–14 closed

Mode of function of the ALT changeover contact

– No ALT tripping	Contact 95–96 closed
– ALT tripping	Contact 95–98 closed

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S800-NT
Disconnectable neutral conductor 63 A

The S800 high performance MCB is force-opened before actuating the disconnectable neutral conductor S800-NT.

Mounting ability of the S800-NT neutral conductor
- The neutral conductor can be mounted by the user at the right on the high performance MCB.

2CCC413239F0001

S800-SOR

Shunt opening release

The S800-SOR shunt opening release is for remote release of the S800- high performance MCB using an electrical impulse. Operation of the trigger is guaranteed at a voltage between 70% and 110% of the rated mains voltage U_n both for AC and DC.

Mounting ability of the S800-SOR operating current release

– The S800-SOR can be mounted by the user at the left side of the high performance MCB.

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S800-UVR

Undervoltage release

The S800-UVR undervoltage release can be used as an emergency-stop cut-as by use of suitable emergency stop buttons. The undervoltage release switches the power supply to the high performance MCB off in case of a failure or if the value falls below 0.7 x U_n. After tripping, the high performance MCB can be switched back on as soon as the voltage is over 0.85 x U_n.

Mounting ability of the S800-UVR undervoltage release

– The S800-UVR can be mounted by the user at the left side of the high performance MCB.

2CCC413060F0001

S800 Busbar system

The S800 busbar system is comprised of:

S803-BB250	250 A busbar, 3-pole with 24 terminal lugs and 2 end caps
S803-BBPC120	120 mm^2 feed block, 3-pole
S800-BBIC	Optional contact-protection cap for exposed terminal lugs
S800-END	Optional end cap

The busbar, which can be shortened in length by the user, ensures the safe and rational connection of the S800 high performance MCB. A cable cross-section of up to 120 mm^2 can be connected at the feed block.

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Unifix H

The Unifix H System with feed module up to 400 A provides the user a high standardised design of energy distribution. The wide range of assembly and adapter combinations which are also available for the S800 range increase flexibility allowing for compact and cost-effective design of the electrical distribution network.

The following adapters are available for the S800 range:

– ED2557 L1 ≤32 A
– ED2558 L2 ≤32 A
– ED2559 L3 ≤32 A
– ED2560 N ≤32 A
– ED2551 L1 125 A
– ED2552 L2 125 A
– ED2553 L3 125 A
– ED2554 N 125 A
– ED2550 filler

Properties
Accessories

2CCC413050F0001

S800-Mirage

The type-tested S800 distribution box has been developed for easy and fast handling. Compact switch dimensions ensure the highest level of installation space for the housing. The removable head and floor flanges reduce the installation work to a minimum and allow additional expansion with cabinet base, additional cabinet elements and test equipment.

Detailed information is contained in the Mirage S800 document 1SKC802023C0202.

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S800-RD
Rotary drive

The rotary drive for 2-4 pole devices can be delivered for assembly on the switching field door. Switching is effortless due to the ergonomic design of the swivel lever. It is equipped with a lock for the OFF position that prevents switching on of the S800 high performance MCB. The slot hole of the lock can accept up to 3 padlocks with lug diameters of 7 mm (not included in delivery). Operation of the trigger and a view of the characteristics are not prevented Additionally, a rotary drive can also be supplied to switch machines; it has a red grip on a yellow background.

The rotary drive on the switching field door is comprised of the following three components:

– Rotary handle S800-RHE-H, -EM
– Axle (500 mm) S800-RHE-S

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S800-IP9
Intermediate piece

The S800-IP9 intermediate piece fits the profile of the high performance MCB and is used to fill in empty device slots. Thanks to its width of just 9mm, the slots of all devices of the S800 range can be expanded using this intermediate piece.

2CCC413066F0001

S800-PLL
Padlock device

The S800-PLL padlock device safely prevents unintentional switching on and off. Simply insert the lug of the padlock device through the borehole on the high performance MCB and lock with a padlock with lug diameter Ø 4 mm (not included in delivery). Even when the high performance MCB is secured with an padlock device against unintentional switching off, tripping remains possible in case of overload or short-circuit by the S800-SOR, S800-UVR and DDA800.

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S800U-PLL

Locking device – for the American market

The S800U-PLL locking device prevents unintentional switch-on or off of the S800U high performance MCB, or switch on/off by third parties. It is mounted at the side of the high performance MCB and can only be removed using a special tool. A standardised American padlock (not included in delivery) is hung onto the round recess on the locking device, which can be secured by max six locks. Of course, tripping is possible by the S800-SOR or S800-UVR in case of overload or short-circuit.

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2CCC413046F0004

S800-CT, -RT

Interchangeable adapter kit

The S800 interchangeable adapter kit allows the cable clamp – ring terminal connections to be exchanged. Ring terminal connection -> Cage Terminal connection
The following is included in the S800-CT replaceable interchangeable adapter kit:

- Cage terminal
- Insulator

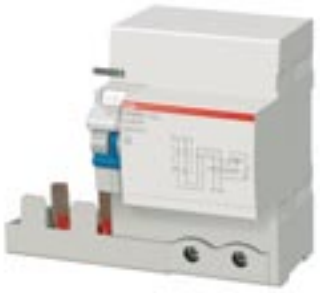
Cage Terminal connection -> ring terminal connection
The following is included in the S800-RT replaceable interchangeable adapter kit:

- Nut, insulation nut – cable lug, Allen screw
- Insulator with 25 mm insulation walls

S800-ILS

Identification labelling system

The individual identification labelling system for ILS legend plates is a DIN A5 polyester foil for inkjet and laser printers with high temperature resistance (if a laser printer is used please check whether self-sticking foils with a thickness of 250 µm can be printed with it). The 3M™9471 LE adhesive backing is UL-approved with Appl. No. MH 11410. The single plates are butt-cut on one side. Can be manually labelled with ink, pen, pencil and felt pen.



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DDA800

RCD Block

RCD blocks from the DDA800 family can be connected to the S800 high performance MCB. The DDA800 can be used both for sine-shaped AC fault currents (type AC) as well as for pulsed DC fault currents (type A). Typical ABB: Selective and short-term delay devices are also available The functionality of the switching device can be checked at any time with the test button. The DDA800 FI switches ensure effective protection against fire and explosion. Devices with $I_n \leq 30$ mA guarantee the protection of persons against shock currents caused by both direct and indirect touching in addition to the obligatory safety measures prescribed by the safety and accident-prevention regulations.
The DDA800 blocks comply to standard:

- EN 60947-2 Annex B

Mounting ability of the DDA800 RCD blocks

- The leakage current trigger can be mounted by the user at the right on the live conductor.

Properties
Definitions

Rated short-circuit capacity I_{cn}
Compliant to EN 60898-1
The maximum current which a switching device can switch off without damage at a rated operational voltage and rated operational frequency. It is specified as an effective value.

Rated ultimate short-circuit breaking capacity I_{cu}
Compliant to EN 60947-2
Ultimate short-circuit breaking capacity that a circuit breaker can switch off without damage at a rated operational voltage and rated operational frequency. It is specified as an effective value.

Rated service short-circuit breaking capacity I_{cs}
Compliant to EN 60947-2
Service short-circuit breaking capacity that a circuit breaker can switch off without damage at a rated operational voltage and rated operational frequency. It is specified as an effective value.

Rated insulation voltage U_i
The rated insulation voltage is the voltage to which dielectric checks and creepage distances refer. The maximum rated operational voltage must not exceed its rated insulation voltage.

Rated impulse withstand voltage U_{imp}
Peak of a withstand voltage of a specified form and polarity with which the circuit can be loaded under specified test conditions without a breakdown and to which clearances relate. The rated impulse withstand voltage must be equal to or greater than the values of the withstand over-voltages (transient overvoltages) which occur in the System in which the device is used.

Backup protection
Assignment of two overcurrent protective devices in series, where the protective device, generally but not necessarily on the supply side, effects the overcurrent protection with or without the assistance of the other protective device and prevents excessive stress on the latter [IEC 60947-1, definition 2.5.24].

Total selectivity
Overcurrent discrimination where, in the presence of two overcurrent protective devices in series, the protective device on the load side effects the protection without causing the other protective device to operate [IEC 60947-2, definition 2.17.2].

Partial selectivity
Overcurrent discrimination where, in the presence of two overcurrent protective devices in series, the protective device on the load side effects the protection up to a given level of overcurrent, without causing the other protective device to operate [IEC 60947-2, definition 2.17.3].

Table of content S800

Technical data
S800S

Characteristics		S800S			
		B, C, D	K	KM	UCB, UCK
Rated current I_n	[A]	6[2] ... 125	6[2] ... 125	20 ... 80	10 ... 125
Pole		1 ... 4	1 ... 4	3	1 ... 4
Rated operational voltage U_e					
(AC) 50/60 Hz	[V]	400/690	400/690	400/690	–
(DC)/Pole	[V]	max. 125	max. 125	max. 125	max. 250
Rated insulation voltage U_i	[V]	690	690	690	250[1]
Rated impulse withstand voltage U_{imp}	[kV]	8	8	8	8
Rated ultimate short-circuit breaking capacity I_{cu} **compliant to IEC 60947-2**					
(AC) 50/60 Hz 240/415 V	[kA]	50	50	50	–
(AC) 50/60 Hz 254/440 V (to 80 A)	[kA]	30	30	30	–
(AC) 50/60 Hz 289/500 V (to 80 A)	[kA]	15	15	15	–
(AC) 50/60 Hz 289/500 V (100 ... 125 A)	[kA]	10	10	10	–
(AC) 50/60 Hz 400/690 V (to 80 A)	[kA]	6	6	6	–
(AC) 50/60 Hz 400/690 V (100 ... 125 A)	[kA]	4.5	4.5	4.5	–
(DC) 125 V (1-pole)	[kA]	30	30		
(DC) 250 V (2-pole)	[kA]	30	30		
(DC) 375 V (3-pole)	[kA]	30	30	30	
(DC) 500 V (4-pole)	[kA]	30	30		
(DC) 250 V (1-pole)	[kA]	–	–	–	50
(DC) 500 V (2-pole)	[kA]	–	–	–	50
(DC) 750 V (3-pole)	[kA]	–	–	–	50
(DC) 750 V (4-pole)	[kA]	–	–	–	50
Rated short-circuit capacity I_{cn} **compliant to EN 60898-1**					
(AC) 50/60 Hz 240/415 V (10 ... 80 A)	[kA]	25	–	–	–
Rated service short-circuit breaking capacity I_{cs} **compliant to IEC 60947-2**				–	–
(AC) 50/60 Hz 240/415 V	[kA]	40	40	40	–
(AC) 50/60 Hz 254/440 V (to 80 A)	[kA]	22.5	22.5	22.5	–
(AC) 50/60 Hz 254/440 V (100 ... 125 A)	[kA]	15	15	15	–
(AC) 50/60 Hz 289/500 V (to 63 A)	[kA]	11	11	11	–
(AC) 50/60 Hz 289/500 V (80 A)	[kA]	8	8	8	–
(AC) 50/60 Hz 289/500 V (100 ... 125 A)	[kA]	5	5	5	–
(AC) 50/60 Hz 400/690 V (to 80 A)	[kA]	4	4	4	–
(AC) 50/60 Hz 400/690 V (100 ... 125 A)	[kA]	3	3	3	–
(DC) 125 V (1-pole)	[kA]	30	30		
(DC) 250 V (2-pole)	[kA]	30	30		
(DC) 375 V (3-pole)	[kA]	30	30	30	
(DC) 500 V (4-pole)	[kA]	30	30		
(DC) 250 V (1-pole)	[kA]	–	–	–	50
(DC) 500 V (2-pole)	[kA]	–	–	–	50
(DC) 750 V (3-pole)	[kA]	–	–	–	50
(DC) 750 V (4-pole)	[kA]	–	–	–	50
Service short-circuit capacity I_{cs} **compliant to EN 60898-1**					
(AC) 50/60 Hz 240/415 V (10 ... 80 A)	[kA]	12.5	–	–	–
Rated frequency	[Hz]	50/60, 16 ⅔	50/60, 16 ⅔	50/60	–
Mounting position		any			
Disconnector properties compliant to IEC 60947-2		yes			
Standards		IEC 60947-2			
		EN/IEC 60898-1	–	–	–

[1] (DC)/pole
[2] Other rated currents on request

Characteristics		S800S			
		B, C, D	K	KM	UCB, UCK
Connections C_u (10...32A)	[mm²]	1...25 strand	1...25 strand	1...25 strand	1...25 strand
		1...35 cable	1...35 cable	1...35 cable	1...35 cable
Connections C_u (40...125A)	[mm²]	6...50 strand	6...50 strand	6...50 strand	6...50 strand
		6...70 cable	6...70 cable	6...70 cable	6...70 cable
Tightening torque	[Nm]	min. 3 / max. 4			
Feed AC/DC		any			
Mounting on DIN top hat rail		EN 60715			
Permissible operating ambient temperature	[°C]	–25...+60			
Storage temperature	[°C]	–40...+70			
Protection category		IP20			
		IP40 (actuating end only)			
Classification acc. to NF F 16-101, NF F 16-102		I3, F2			
Vibration resistance		IEC 60068-2-27; IEC 60068-2; EN/IEC 61373 Cat.1/Class B			

Internal resistances and power losses at 25 °C ambient temperature

Rated current I_n	Internal resistance R_i			Power loss P_v		
[A]	[mΩ]			[W]		
	B, C, D, K	KM	UCB, UCK	B, C, D, K	KM	UCB, UCK
6	*	–	–	*	–	–
10	15.2	–	15.2	1.5	–	1.5
13	12.1	–	12.1	2.0	–	2.0
16	12.1	–	12.1	3.1	–	3.1
20	8.7	2.7	8.7	3.5	1.1	3.5
25	6.8	3.0	6.8	4.3	1.9	4.3
32	3.1	1.7	3.1	3.2	1.7	3.2
40	2.3	1.6	2.3	3.7	2.6	3.7
50	1.7	1.1	1.7	4.3	2.8	4.3
63	1.6	1.0	1.6	6.4	4.0	6.4
80	1.0	–	1.0	6.4	–	6.4
100	0.8	–	0.8	8.0	–	8.0
125	0.6	–	0.6	9.4	–	9.4

* Values available on request

Technical data
S800S

Influence of ambient temperature

Devices mounted singly (specifications in A)

S800S-B, -C, -D, -UCB

I_n [A]	10 °C	15 °C	20 °C	25 °C	30 °C	35 °C	40 °C	45 °C	50 °C	55 °C	60 °C
6*	6.7	6.5	6.3	6.2	6.0	5.8	5.6	5.4	5.3	5.1	4.9
10	11.2	11.0	10.7	10.4	10.0	9.6	9.3	9.0	8.7	8.4	8.0
13	14.6	14.3	13.9	13.5	13.0	12.5	12.1	11.7	11.3	10.9	10.4
16	17.9	17.6	17.1	16.6	16.0	15.4	14.9	14.4	13.9	13.4	12.8
20	22.4	22.0	21.4	20.8	20.0	19.2	18.6	18.0	17.4	16.8	16.0
25	28.0	27.5	26.8	26.0	25.0	24.0	23.3	22.5	21.8	21.0	20.0
32	35.8	35.2	34.2	33.3	32.0	30.7	29.8	28.8	27.8	26.9	25.6
40	44.8	44.0	42.8	41.6	40.0	38.4	37.2	36.0	34.8	33.6	32.0
50	56.0	55.0	53.5	52.0	50.0	48.0	46.5	45.0	43.5	42.0	40.0
63	70.6	69.3	67.4	65.5	63.0	60.5	58.6	56.7	54.8	52.9	50.4
80	89.6	88.0	85.6	83.2	80.0	76.8	74.4	72.0	69.6	67.2	64.0
100	112.0	110.0	107.0	104.0	100.0	96.0	93.0	90.0	87.0	84.0	80.0
125	140.0	137.5	133.8	130.0	125.0	120.0	116.3	112.5	108.8	105.0	100.0

S800S-K, -UCK

I_n [A]	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C	55°C	60°C
6*	7.0	6.9	6.7	6.5	6.3	6.2	6.0	5.8	5.6	5.4	5.3
10	11.9	11.6	11.2	11.0	10.7	10.4	10.0	9.6	9.3	9.0	8.7
13	15.6	15.1	14.6	14.3	13.9	13.5	13.0	12.5	12.1	11.7	11.3
16	19.1	18.6	17.9	17.6	17.1	16.6	16.0	15.4	14.9	14.4	13.9
20	23.9	23.2	22.4	22.0	21.4	20.8	20.0	19.2	18.6	18.0	17.4
25	29.9	29.1	28.0	27.5	26.8	26.0	25.0	24.0	23.3	22.5	21.8
32	38.2	37.2	35.8	35.2	34.2	33.3	32.0	30.7	29.8	28.8	27.8
40	47.8	46.5	44.8	44.0	42.8	41.6	40.0	38.4	37.2	36.0	34.8
50	59.7	58.1	56.0	55.0	53.5	52.0	50.0	48.0	46.5	45.0	43.5
63	75.3	73.2	70.6	69.3	67.4	65.5	63.0	60.5	58.6	56.7	54.8
80	95.6	93.0	89.6	88.0	85.6	83.2	80.0	76.8	74.4	72.0	69.6
100	119.5	116.2	112.0	110.0	107.0	104.0	100.0	96.0	93.0	90.0	87.0
125	149.4	145.3	140.0	137.5	133.8	130.0	125.0	120.0	116.3	112.5	108.8

* Only available in characteristics B, C, D, K

For the effects of temperatures not given in the above table, please get in touch with your ABB contact.

Maximum permissible earth-fault loop impedance Z_s at U_o 230 V* to ensure compliance with the requirements of IEC 60364-4

The instantaneous release of the MCB ensures an operating time of max. 0.1 s (TN system). Determined according to IEC 60364-5-52 / VDE 0100-520 and DIN VDE 0100-520 sheet 2:2002 (source impedance 300 mW, c = 0.95 and conductor tempearture 70 °C = factor 0.8). The internal resistance of the MCB is included.

*U_o: rated voltage against earthed conductor; for U_o: AC 240 V multiply Z_s by 1.04, for U_o: AC 254 V multiply Z_s by 1.10, for U_o: AC 400 V multiply Z_s by 1.74

Rated current (A)	B	C	D	K
		max. Z_s (Ω)		
6		on request		
10	4.8	2.4	1.5	1.5
13	3.7	1.8	1.1	1.1
16	3.0	1.5	0.9	0.9
20	2.4	1.2	0.7	0.7
25	1.9	1.0	0.6	0.6
32	1.5	0.7	0.5	0.5
40	1.2	0.6	0.4	0.4
50	1.0	0.5	0.3	0.3
63	0.8	0.4	0.2	0.2
80	0.6	0.3	0.2	0.2
100	0.5	0.2	0.1	0.1
125	0.4	0.2	0.1	0.1

Technical data
S800N

Characteristics		S800N B, C, D
Rated current I_n	[A]	6[1] ... 125
Pole		1...4
Rated operational voltage U_e		
(AC) 50/60 Hz	[V]	400/690
(DC)/Pol	[V]	max. 125
Rated insulation voltage U_i	[V]	690
Rated impulse withstand voltage U_{imp}	[kV]	8
Rated ultimate short-circuit breaking capacity I_{cu} **compliant to IEC 60947-2**		
(AC) 50/60 Hz 240/415 V	[kA]	36
(AC) 50/60 Hz 254/440 V (6 ... 125 A)	[kA]	20
(AC) 50/60 Hz 289/500 V (6 ... 125 A)	[kA]	10
(AC) 50/60 Hz 400/690 V (6 ... 125 A)	[kA]	4.5
(DC) 125 V (1-pole)	[kA]	20
(DC) 250 V (2-pole)	[kA]	20
(DC) 375 V (3-pole)	[kA]	20
(DC) 500 V (4-pole)	[kA]	20
Rated short-circuit capacity I_{cn} **compliant to EN/IEC 60898-1**		
(AC) 50/60 Hz 240/415 V (10 ... 80 A)	[kA]	20
Rated service short-circuit breaking capacity I_{cs} **compliant to IEC 60947-2**		
(AC) 50/60 Hz 240/415 V	[kA]	30
(AC) 50/60 Hz 254/440 V (6 ... 80 A)	[kA]	15
(AC) 50/60 Hz 254/440 V (100 ... 125 A)	[kA]	10
(AC) 50/60 Hz 289/500 V (6 ... 63 A)	[kA]	8
(AC) 50/60 Hz 289/500 V (80 ... 125 A)	[kA]	5
(AC) 50/60 Hz 400/690 V (6 ... 125 A)	[kA]	3
(DC) 125 V (1-pole)	[kA]	20
(DC) 250 V (2-pole)	[kA]	20
(DC) 375 V (3-pole)	[kA]	20
(DC) 500 V (4-pole)	[kA]	20
Service short-circuit capacity I_{cs} **compliant to EN/IEC 60898-1**		
(AC) 50/60 Hz 240/415 V (10 ... 80 A)	[kA]	10
Rated frequency	[Hz]	50/60
Mounting position		any
Disconnector properties compliant to IEC 60947-2		yes
Standards		IEC 60947-2 EN/IEC 60898-1
Connections C_u (10 ... 32 A)	[mm^2]	1 ... 25 strand, 1 ... 35 cable
Connections C_u (40 ... 125 A)	[mm^2]	6 ... 50 strand, 6 ... 70 cable
Tightening torque	[Nm]	min. 3 / max. 4
AC feed		any
Mounting on DIN top hat rail		EN 60715
Permissible operating ambient temperature	[°C]	–25 ... +60
Storage temperature	[°C]	–40 ... +70
Protection category		IP20 IP40 (actuating end only)
Classification compliant to NF F 16-101, NF F 16-102		I3, F2

[1] Other rated currents on request

Internal resistances and power losses at 25 °C ambient temperature

Rated current I_n [A]	Internal resistance R_i [mΩ]	Power loss P_v [W]
	B, C, D	B, C, D
6	*	*
10	15.2	1.5
13	12.1	2.0
16	12.1	3.1
20	8.7	3.5
25	6.8	4.3
32	3.1	3.2
40	2.3	3.7
50	1.7	4.3
63	1.6	6.4
80	1.0	6.4
100	0.8	8.0
125	0.6	9.4

* Values available on request

Influence of ambient temperature

Devices mounted singly (specifications in A)

S800N-B, C, D

I_n [A]	10 °C	15 °C	20 °C	25 °C	30 °C	35 °C	40 °C	45 °C	50 °C	55 °C	60 °C
6	6.7	6.5	6.3	6.2	6.0	5.8	5.6	5.4	5.3	5.1	4.9
10	11.2	11.0	10.7	10.4	10.0	9.6	9.3	9.0	8.7	8.4	8.0
13	14.6	14.3	13.9	13.5	13.0	12.5	12.1	11.7	11.3	10.9	10.4
16	17.9	17.6	17.1	16.6	16.0	15.4	14.9	14.4	13.9	13.4	12.8
20	22.4	22.0	21.4	20.8	20.0	19.2	18.6	18.0	17.4	16.8	16.0
25	28.0	27.5	26.8	26.0	25.0	24.0	23.3	22.5	21.8	21.0	20.0
32	35.8	35.2	34.2	33.3	32.0	30.7	29.8	28.8	27.8	26.9	25.6
40	44.8	44.0	42.8	41.6	40.0	38.4	37.2	36.0	34.8	33.6	32.0
50	56.0	55.0	53.5	52.0	50.0	48.0	46.5	45.0	43.5	42.0	40.0
63	70.6	69.3	67.4	65.5	63.0	60.5	58.6	56.7	54.8	52.9	50.4
80	89.6	88.0	85.6	83.2	80.0	76.8	74.4	72.0	69.6	67.2	64.0
100	112.0	110.0	107.0	104.0	100.0	96.0	93.0	90.0	87.0	84.0	80.0
125	140.0	137.5	133.8	130.0	125.0	120.0	116.3	112.5	108.8	105.0	100.0

For the effects of temperatures not given in the above table, please get in touch with your ABB contact.

Technical data
S800N

Maximum permissible earth-fault loop impedance Z_s at U_o 230 V* to ensure compliance with the requirements of IEC 60364-4

The instantaneous release of the MCB ensures an operating time of max. 0.1 s (TN system). Determined according to IEC 60364-5-52 / VDE 0100-520 and DIN VDE 0100-520 sheet 2:2002 (source impedance 300 mW, c = 0.95 and conductor tempearture 70 °C = factor 0.8). The internal resistance of the MCB is included.

*U_o: rated voltage against earthed conductor; for U_o: AC 240 V multiply Z_s by 1.04, for U_o: AC 254 V multiply Z_s by 1.10, for U_o: AC 400 V multiply Z_s by 1.74

Rated current (A)	B	C	D
		max. Z_s (Ω)	
6		on request	
10	4.8	2.4	1.5
13	3.7	1.8	1.1
16	3.0	1.5	0.9
20	2.4	1.2	0.7
25	1.9	1.0	0.6
32	1.5	0.7	0.5
40	1.2	0.6	0.4
50	1.0	0.5	0.3
63	0.8	0.4	0.2
80	0.6	0.3	0.2
100	0.5	0.2	0.1
125	0.4	0.2	0.1

Technical data
S800C

Characteristics		S800C B, C, D, K
Rated current I_n	[A]	10 ... 125
Pole		1 ... 4
Rated operational voltage U_e		
(AC) 50/60 Hz	[V]	254/440
(DC) / Pole	[V]	max. 125
Rated insulation voltage U_i	[V]	500
Rated impulse withstand voltage U_{imp}	[kV]	8
Rated ultimate short-circuit breaking capacity I_{cu} **compliant to IEC 60947-2**		
(AC) 50/60 Hz 240/415 V	[kA]	25
(AC) 50/60 Hz 254/440 V	[kA]	15
(DC) 125 V (1-pole)	[kA]	10
(DC) 250 V (2-pole)	[kA]	10
(DC) 375 V (3-pole)	[kA]	10
(DC) 500 V (4-pole)	[kA]	10
Rated service short-circuit breaking capacity I_{cs} **compliant to IEC 60947-2**		
(AC) 50/60 Hz 240/415 V	[kA]	18
(AC) 50/60 Hz 254/440 V	[kA]	10
(DC) 125 V (1-pole)	[kA]	10
(DC) 250 V (2-pole)	[kA]	10
(DC) 375 V (3-pole)	[kA]	10
(DC) 500 V (4-pole)	[kA]	10
Rated short-circuit capacity I_{cn} **compliant to EN/IEC 60898-1**		
(AC) 50/60 Hz 230/400 V (Characteristics: B, C, D *)	[kA]	15
Service short-circuit capacity I_{cs} **compliant to EN/IEC 60898-1**		
(AC) 50/60 Hz 230/400 V (Characteristics: B, C, D *)	[kA]	7.5
Rated frequency	[Hz]	50/60
Mounting position		any
Disconnector properties compliant to IEC 60947-2		yes
Standards		IEC 60947-2
Connections C_u (10...32 A)	[mm^2]	1 ... 25 strand 1 ... 35 cable
Connections C_u (40...125 A)	[mm^2]	6 ... 50 strand 6 ... 70 cable
Tightening torque	[Nm]	3 ... 4
AC feed		any
Mounting on DIN top hat rail		EN 60715
Permissible operating ambient temperature	[°C]	–25 ... +60
Storage temperature	[°C]	–40 ... +70
Protection category		IP20 IP40 (actuating end only)
Classification compliant to NF F 16-101, NF F 16-102		I3, F2

Technical data
S800C

Maximum permissible earth-fault loop impedance Z_s at U_o 230 V* to ensure compliance with the requirements of IEC 60364-4

The instantaneous release of the MCB ensures an operating time of max. 0.1 s (TN system). Determined according to IEC 60364-5-52 / VDE 0100-520 and DIN VDE 0100-520 sheet 2:2002 (source impedance 300 mW, c = 0.95 and conductor tempearture 70 °C = factor 0.8). The internal resistance of the MCB is included.

*U_o: rated voltage against earthed conductor; for U_o: AC 240 V multiply Z_s by 1.04, for U_o: AC 254 V multiply Z_s by 1.10, for U_o: AC 400 V multiply Z_s by 1.74

Rated current (A)	B	C	D	K
		max. Z_s (Ω)		
10	4.8	2.4	1.5	1.5
13	3.7	1.8	1.1	1.1
16	3.0	1.5	0.9	0.9
20	2.4	1.2	0.7	0.7
25	1.9	1.0	0.6	0.6
32	1.5	0.7	0.5	0.5
40	1.2	0.6	0.4	0.4
50	1.0	0.5	0.3	0.3
63	0.8	0.4	0.2	0.2
80	0.6	0.3	0.2	0.2
100	0.5	0.2	0.1	0.1
125	0.4	0.2	0.1	0.1

Technical data
S800U

Characteristics					S800U K, Z
Rated current I_n				[A]	10...100
Pole					1...4
Rated operational voltage U_e **compliant to UL 489**					
(AC)	50/60 Hz			[V]	240
Rated ultimate short-circuit breaking capacity **compliant to UL489**					
(AC)	50/60 Hz	240 V	Single-pole	[kA]	30
(AC)	50/60 Hz	240 V	Multipole	[kA]	50
Rated operational voltage U_e **compliant to IEC 60947-2**					
(AC)				[V]	240/415
Rated ultimate short-circuit breaking capacity I_{cu} **compliant to IEC 60947-2**					
(AC)	50/60 Hz	240/415 V	Single-pole	[kA]	30
(AC)	50/60 Hz	240/415 V	Multipole	[kA]	50
Rated service short-circuit breaking capacity I_{cs} **compliant to IEC 60947-2**					
(AC)	50/60 Hz	240/415 V	Single-pole	[kA]	25
(AC)	50/60 Hz	240/415 V	Multipole	[kA]	40
Connections C_u			10...30 A		14-2 AWG
			40...100 A		8-1 AWG
Rated frequency				[Hz]	50/60
Tightening torque				[Nm]	3,5 (31 in.lb.)
Protection category					IP40
					(actuating end only)
Mounting position					any
Contacts					cadmium-free
Permissible ambient temperature				[°C]	–25...+60
Standards					UL 489
					IEC 60947-2
					CSA22.2 NO.5-02
Approval					cULus
					File E312425

Technical data
S800U

Internal resistances and power losses at 25 °C ambient temperature

Rated current I_n [A]	Internal resistance R_i [mΩ] K, Z	Power loss P_v [W] K, Z
10	15.2	1.5
15	12.1	2.7
20	8.7	3.5
25	6.8	4.2
30	3.1	2.8
40	2.3	3.7
50	1.7	4.3
60	1.6	5.8
70	1.0	4.9
80	1.0	6.4
90	0.8	6.5
100	0.8	8.3

Influence of ambient temperature

Devices mounted singly (specifications in A)

S800U-K, -Z

I_n [A]	10 °C	15 °C	20 °C	25 °C	30 °C	35 °C	40 °C	45 °C	50 °C	55 °C	60 °C
10	10.9	10.7	10.4	10.0	9.6	9.3	9.0	8.7	8.4	8.0	7.6
15	16.5	16.0	15.6	15.0	14.4	14.0	13.5	13.0	12.6	12.0	11.4
20	22.0	21.4	20.8	20.0	19.2	18.6	18.0	17.4	16.8	16.0	15.2
25	27.5	26.8	26.0	25.0	24.0	23.3	22.5	21.8	21.0	20.0	19.0
30	33.1	32.1	31.2	30.0	28.8	27.9	27.0	26.1	25.2	24.0	22.9
40	44.0	42.8	41.6	40.0	38.4	37.2	36.0	34.8	33.6	32.0	30.9
50	55.1	53.5	52.0	50.0	48.0	46.5	45.0	43.5	42.0	40.0	38.3
60	66.2	64.2	62.4	60.0	57.6	55.8	54.0	52.2	50.4	48.0	46.0
70	76.9	74.9	72.8	70.0	67.2	65.1	63.0	60.9	58.8	56.0	53.4
80	88.0	85.6	83.2	80.0	76.8	74.4	72.0	69.6	67.1	64.0	61.6
90	99.1	96.3	93.6	90.0	86.4	83.7	81.0	78.3	75.6	72.0	69.5
100	110.5	107.0	104.0	100.0	96.0	93.0	90.0	87.0	83.8	80.0	77.8

For the effects of temperatures not given in the above table, please get in touch with your ABB contact.

Technical data
S800PV*

Characteristics		S800PV S	S800PV M
Rated current I_n	[A]	10...80	100, 125	32, 63, 125
Pole		2...4	2...4	2...4
Rated operational voltage U_e				
(DC) 2-pole	[V]	800	600	800
(DC) 3-pole	[V]	1200	1000	1200
(DC) 4-pole	[V]	1200	1200	1200
Rated insulation voltage U_i	[V]	1500		1500
Rated impulse withstand voltage U_{imp}	[kV]	8		8
Rated ultimate short-circuit breaking capacity I_{cu} **compliant to IEC 60947-2**				
(DC) 800 V (2-pole)	[kA]	5		–
(DC) 1200 V (3-pole)	[kA]	5		–
(DC) 1200 V (4-pole)	[kA]	5		–
Rated service short-circuit breaking capacity I_{cs} **compliant to IEC 60947-2**				
(DC) 800 V (2-pole)	[kA]	5		–
(DC) 1200 V (3-pole)	[kA]	5		–
(DC) 1200 V (4-pole)	[kA]	5		–
Rated short-term withstand current I_{cw} **compliant to IEC 60947-3**				
(DC) 800 V (2-pole)	[kA]	–		1.5
(DC) 1200 V (3-pole)	[kA]	–		1.5
(DC) 1200 V (4-pole)	[kA]	–		1.5
Rated short-circuit making capacity I_{cm} **compliant to IEC 60947-3**				
(DC) 800 V (2-pole)	[kA]	–		0.5
(DC) 1200 V (3-pole)	[kA]	–		0.5
(DC) 1200 V (4-pole)	[kA]	–		0.5
Mounting position		any		any
Disconnector properties		yes		yes
Standards		IEC 60947-2		IEC 60947-3
Connections C_u (10...32 A)	[mm^2]	1...25 strand		1...25 strand
		1...35 cable		1...35 cable
Connections C_u (40...125 A)	[mm^2]	6...50 strand		6...50 strand
		6...70 cable		6...70 cable
Tightening torque	[Nm]	min. 3 / max. 4		min. 3 / max. 4
DC feed		any		any
Mounting on DIN top hat rail		EN 60715		EN 60715
Permissible operating ambient temperature	[°C]	–25...+60		–25...+60
Storage temperature	[°C]	–40...+70		–40...+70
Protection category		IP20		
		IP40 (actuating end only)		
Vibration resistance		IEC 60068-2-6; EN 61373 Cat.1/Class B		
Utilisation categories		A		DC-21A
Pollution degree		2		2
Overvoltage category		III		III

*Detailed information is contained in our S800PV Document 2CCC413002C0202

Technical data
S800PV*

Internal resistances and power losses at 25°C ambient temperature

Rated current I_n [A]	Internal resistance R_i [mΩ]		Power loss P_v [W]	
	PV-S	PV-M	PV-S	PV-M
10	15.2		1.5	
13	12.1		2.0	
16	12.1		3.1	
20	8.7		3.5	
25	6.8		4.3	
32	3.1	1.8	3.2	1.8
40	2.3		3.7	
50	1.7		4.3	
63	1.6		6.4	
80	1.0		6.4	
100	0.8		8.0	
125	0.6	0.5	9.4	7.8

Influence of ambient temperature

Devices mounted singly (specifications in A)

S800PV-S

I_n [A]	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C	55°C	60°C
10	11.2	11.0	10.7	10.4	10.0	9.6	9.3	9.0	8.7	8.4	8.0
13	14.6	14.3	13.9	13.5	13.0	12.5	12.1	11.7	11.3	10.9	10.4
16	17.9	17.6	17.1	16.6	16.0	15.4	14.9	14.4	13.9	13.4	12.8
20	22.4	22.0	21.4	20.8	20.0	19.2	18.6	18.0	17.4	16.8	16.0
25	28.0	27.5	26.8	26.0	25.0	24.0	23.3	22.5	21.8	21.0	20.0
32	35.8	35.2	34.2	33.3	32.0	30.7	29.8	28.8	27.8	26.9	25.6
40	44.8	44.0	42.8	41.6	40.0	38.4	37.2	36.0	34.8	33.6	32.0
50	56.0	55.0	53.5	52.0	50.0	48.0	46.5	45.0	43.5	42.0	40.0
63	70.6	69.3	67.4	65.5	63.0	60.5	58.6	56.7	54.8	52.9	50.4
80	89.6	88.0	85.6	83.2	80.0	76.8	74.4	72.0	69.6	67.2	64.0
100	112.0	110.0	107.0	104.0	100.0	96.0	93.0	90.0	87.0	84.0	80.0
125	140.0	137.5	133.8	130.0	125.0	120.0	116.3	112.5	108.8	105.0	100.0

*Detailed information is contained in our S800PV Document 2CCC413002C0202

For the effects of temperatures not given in the above table, please get in touch with your ABB contact.

Technical data
Accessories

Electrical properties

Auxiliary contact S800-AUX

Utilisation categories		AC15 400/2 A
compliant to IEC 60947-5-1		AC15 240/6 A
		DC13 250/0.55 A
		DC13 125 V/1.1 A
		DC13 60 V/2 A
		DC13 24 V/4 A
Rated values compliant to UL 489		125 VAC 6 A
		250 VAC 5 A
		24 VDC 4 A
		125 VDC 0.3 A
		250 VDC 0.15 A
Rated operational voltage $\mathbf{I_{th}}$	[A]	6
Rated insulation voltage $\mathbf{I_{min}}$	[mA]	3
Rated impulse withstand voltage $\mathbf{U_{min}}$	[mV]	24
Rated insulation voltage $\mathbf{U_i}$	[V]	690
Number of contacts		2
Rated impulse withstand voltage $\mathbf{U_{imp}}$	[kV]	6
Pollution degree		3
Standard		IEC 60947-5-1 / UL 489
Contact function		Changeover contact
Connection C_u	[mm^2]	1 x 2.5
		2 x 1.5
		14 AWG
Tightening torque	[Nm]	1
AC/DC feed		any
Mounting on DIN top hat rail		EN 60715
Protection category		IP20
Permissible operating ambient temperature	[°C]	–25 ... +60
Storage temperature	[°C]	–40 ... +70
Mech. lifetime of device		6000 switching cycles
I_{cu} mit S450E	[A]	1000
Vibration resistance		IEC 60068-2-6;
		EN 61373 Cat.1/Class B
		5 g, 20 frequency cycle
		5 ... 150 ... 5 Hz
		at 24 V AC/DC, 5 mA short-term interruption
		<10 ms

Technical data
Accessories

Electrical properties

Combined auxiliary and signal contact S800-AUX/ALT

Utilisation categories		AC15 400/2 A
compliant to IEC 60947-5-1		AC15 240/6 A
		DC13 250/0.55 A
		DC13 125 V/1.1 A
		DC13 60 V/2 A
		DC13 24 V/4 A
Rated values compliant to UL 489		125 VAC 6 A 250 VAC 5 A
		24 VDC 4 A
		125 VDC 0.3 A
		250 VDC 0.15 A
Rated operational voltage $\mathbf{I_{th}}$		6
Rated insulation voltage $\mathbf{I_{min}}$	[mA]	3
Rated impulse withstand voltage $\mathbf{U_{min}}$	[mV]	24
Rated insulation voltage $\mathbf{U_i}$	[A]	690
Number of contacts		2 (1x AUX, 1x AUX/ALT)
Rated impulse withstand voltage $\mathbf{U_{imp}}$	[V]	6
Pollution degree	[kV]	3
Standard		IEC 60947-5-1 / UL 489
Contact function		Changeover contact
Connection C_u	[mm^2]	1 x 2.5
		2 x 1.5
		14 AWG
Tightening torque	[Nm]	1
AC/DC feed.		any
Mounting on DIN top hat rail		EN 60715
Protection category		IP20
Permissible operating ambient temperature	[°C]	–25 ... +60
Storage temperature	[°C]	–40 ... +70
Mech. lifetime of device		6000 switching cycles
I_{cu} mit S450E	[A]	1000
Vibration resistance		IEC 60068-2-6;
		EN 61373 Cat.1/Class B
		5 g, 20 frequency cycle 5 ... 150 ... 5 Hz
		at 24 V AC/DC, 5 mA short-term interruption
		<10 ms

Electrical properties

Short-circuit current limiter S803S-SCL

Rated current I_n	[A]	32, 63, 125
Pole		3
Rated operational voltage U_e		
(AC) 50/60 Hz	[V]	400/690
Rated insulation voltage U_i	[V]	690
Rated impulse withstand voltage U_{imp}	[kV]	8
Rated ultimate short-circuit breaking capacity I_{cu} compliant to IEC 60947-2		
400 VAC	[kA]	100
440 VAC	[kA]	100
690 VAC	[kA]	50
Rated service short-circuit breaking capacity I_{cs} compliant to IEC 60947-2		100% I_{cu}
Rated frequency	[Hz]	50/60
Mounting position		any
Disconnector properties compliant to IEC 60947-2		yes
Standard		IEC 60947-2
Connections C_u (32 A)	[mm^2]	1...25 strand
		1...35 cable
Connections C_u (63, 125 A)	[mm^2]	6...50 strand
		6...70 cable
Tightening torque	[Nm]	min. 3/max. 4
Feed		any
Mounting on DIN top hat rail		EN 60715
Permissible operating ambient temperature	[°C]	–25 ... +60
Storage temperature	[°C]	–40 ... +70
Protection category		IP20
		IP40 (actuating end only)
Classification compliant to NF-16-101, NF16-102		I3, F2
Vibration resistance		IEC 60068-2-27; IEC 60068-2; EN 61373 Cat.1/Class B

For permitted combinations, visit: http://www.abb.com/product

Low voltage products/installation devices/high performance circuit breakers/software

Rated current I_n	Internal resistance R_i	Power loss P_v
[A]	[mΩ]	[W]
32	1.7	1.7
63	1.0	4.0
125	0.6	9.4

Technical data
Accessories

Electrical properties — Shunt release S800-SOR

		S800-SOR12*1	S800-SOR24	S800-SOR130	S800-SOR250	S800-SOR400
Rated operational voltage **U_e**	[VAC/DC]	12	24	48 ... 130	110...250	220 ... 400/250*
Operating range	[%] U_e			70 ... 110		
Rated insulation voltage **U_i**	[V]			690		
Coil pull in consumption	[W/VA]		16.6/17*	41.9 ... 307.3	23 ... 119	45 ... 148.1
				42 ... 310*	20 ... 105*	
Rated frequency	[Hz]			DC; 50/60		
Pollution degree				3		
Standard				IEC 60947-5-1/UL 489		
Resistance value*	[V/A]		4.6	25	120	600
Connection C_u	[mm²]			1 ... 25 (14-2 AWG) strand		
				1 ... 35 (14-3 AWG) cable		
Tightening torque	[Nm]			min.3/ max.4		
AC/DC supply				any		
Mounting on DIN top hat rail				EN 60715		
Protection category				IP20 IP40 (actuating end only)		
Permissible operating ambient temperature	[°C]			–25 ... +60		
Storage temperature	[°C]			–40 ... +70		
Vibration resistance			IEC 60068-2-6; EN 61373 Cat.1/Class B			

* compliant to UL 489.
*1 on request

Electrical properties — Undervoltage release S800-UVR

		S800-UVR36	S800-UVR60	S800-UVR130	S800-UVR250
Rated operational voltage U_e	[VAC/DC]	24 ... 36	48 ... 60	110 ... 130	220 ... 250
Operating range					
open	[%] U_e			35 ... 70	
closed	[%] U_e			85	
Rated insulation voltage U_i	[V]			690	
Power loss of coil when attracted	[W/VA]	1.11 ... 1.14/1.2*	1.14 ... 1.25/1.3*	1.3 ... 1.41/1.4*	1.71 ... 1.91/1.9*
Rated frequency	[Hz]			DC; 50/60	
Pollution degree				3	
Standard				IEC 60947-5-1 / UL 489	
Resistance value	[V/A]	2.2	10	56	220
Connection C_u	[mm²]			1 ... 25 (14-2 AWG) strand	
				1 ... 35 (14-3 AWG) cable	
Tightening torque	[Nm]			min.3/ max.4	
AC/DC supply				any	
Mounting on DIN top hat rail				EN 60715	
Protection category				IP20	
				IP40 (actuating end only)	
Permissible operating ambient temperature	[°C]			–25 ... +60	
Storage temperature	[°C]			–40 ... +70	
Vibration resistance				IEC 60068-2-6; EN 61373 Cat.1/Class B	

Busbar S803-BB250

Max. rated current I_n		
Side feed	[A]	125
Middle feed	[A]	250
Conditional rated short-circuit current	[kA eff]	100 mit T_{max} connected upstream
Poles		3
Rated operational voltage U_e		
(AC) 50/60 Hz	[V]	400/690
Rated insulation voltage U_i	[V]	690
Rated impulse withstand voltage U_{imp}	[kV]	8
Rated frequency	[Hz]	50
Standard		EN/IEC 60439-2
Material of rails		E-Cu 58 half-standard, rolled F25
Material of insulation profile		Material group I; UL94 V-0
Material of end caps		Material group I; UL94 V-0
		Free of halogen and phosphate
Busbar cross sections	[mm²]	60
Overvoltage category		III
Pollution degree		2

Technical data
Accessories

Electrical properties

Feed block S803-BBPC120

Max. rated current I_n	[A]	250
Poles		3
Rated operational voltage U_e	[V]	400/690
Rated frequency	[Hz]	50
Standard		EN/IEC 60439-2
Material of terminals		Werkstoffgruppe I
Housing material		Werkstoffgruppe I; UL94 V-0 Free of halogen and phosphate
Tightening torque		
on feed side	[Nm]	19
on busbar side	[Nm]	3
Connection cross-section	[mm^2]	16 ... 120
Pollution degree		2

DDA-800 residual current device

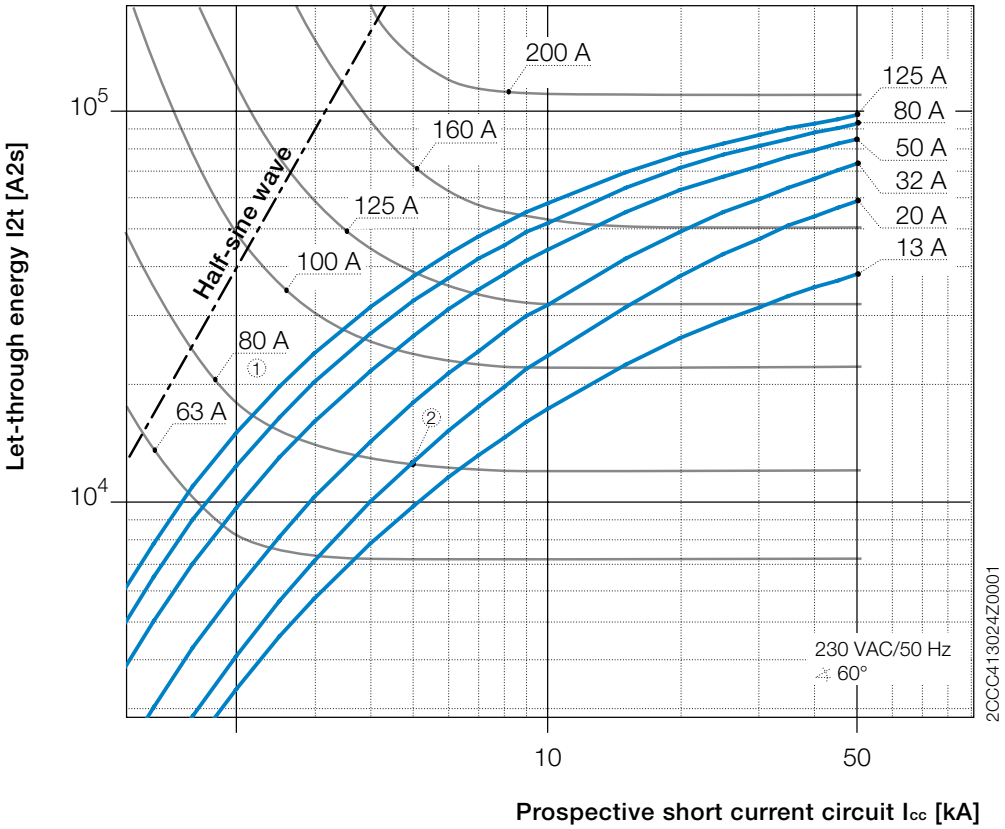
		DDA800AC	DDA800A	DDA800AS	DDA800A AP-R
Standard			IEC 60947-2 Ann. B		
Sensitivity		AC	A	A (selective)	A (with short-term delay)
Rated current	[A]		100		
Number of poles			2P; 3P; 4P		
Rated insulation voltage U_i	[V]		690		
Rated operational voltage U_e	[V]		230/400; 240/415; 400/690		
Max. Rated operational voltage U_b **max.**	[V]		690		
Min. Rated operational voltage U_b **min.**	[V]		195		
Rated ultimate short-circuit breaking capacity I_{cu} **compliant to IEC 60947-2**			Depends on ultimate breaking capacity of MCB's		
Rated ultimate short-circuit breaking capacity $I_{\Delta m}$ with S800N	[kA]		Depends on ultimate breaking capacity of MCB's		
Rated ultimate short-circuit breaking capacity $I_{\Delta m}$ with S800S	[kA]		Depends on ultimate breaking capacity of MCB's		
Rated impulse withstand voltage U_{imp} Impulse (1.2/50)	[kV]		6		
Rated impulse withstand voltage U_{imp} (50...60Hz) x 1min	[kV]		2.5		
Max. operating voltage of test circuit	[V]		690		
Min. operating voltage of test circuit	[V]		195		
Electrical strength compliant to VDE	[A]		250	5000	3000
Rated frequency	[Hz]		50/60		
Rated residual operating current $I_{\Delta n}$	[A]	0.03; 0.3	0.03; 0.3; 0.5	0.3; 1	0.03
Switch lever			blue, can only be switched in OFF position		
Protection category, housing			IP4X (without terminal area)		
Protection category, terminal			IP2X		
Permissible operating ambient temperature	[°C]		–25 ... +60		
Permissible storage temperature	[°C]		–40 ... +70		
Strand connections	[mm^2]		6 ... 50		
Cable connections	[mm^2]		6 ... 70		
Tightening torque	[Nm]		min. 3; max. 4		
Fixed on mounting rail			EN 60715		

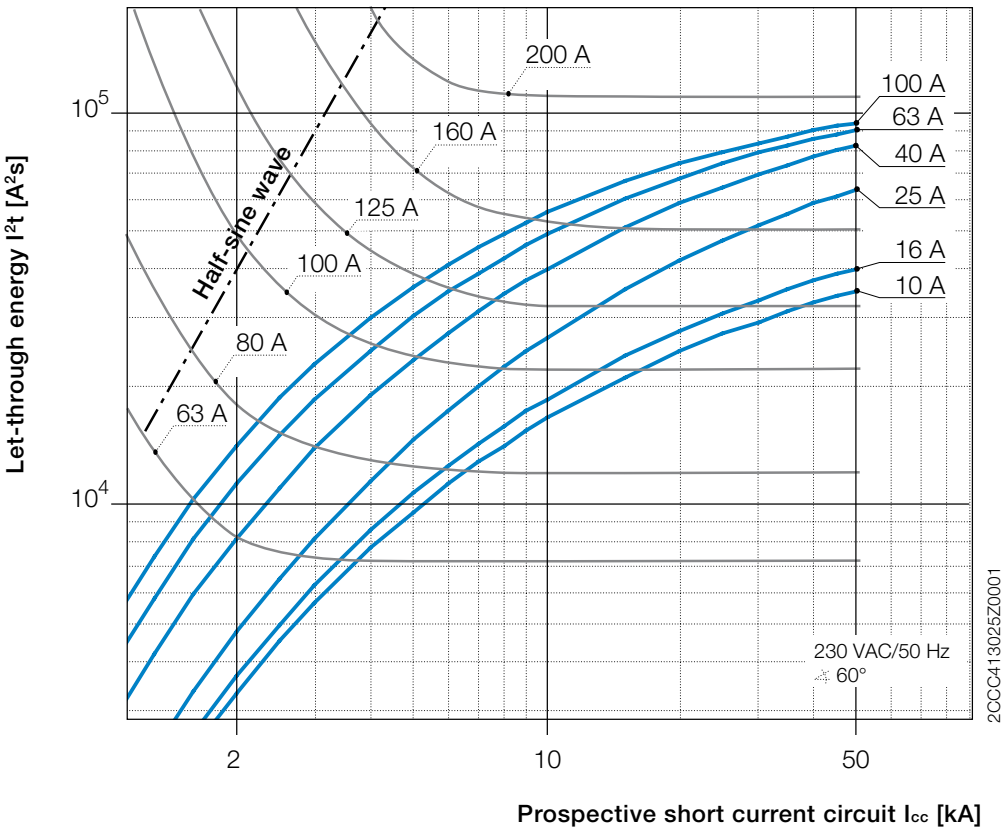
DS-800 RCBO

		DS800S A	DS800N A	DS800S AS	DS800N AS	DS800S AP-R	DS800N AP-R
Standard				IEC 60947-2			
Sensitivity		A		A (selective)		A (with short-term delay)	
Rated current	[A]			125			
Number of poles		2P; 3P; 4P		2P; 4P		2P; 3P; 4P	
Rated insulation voltage U_i	[V]			690			
Rated operational voltage U_e	[V]			230/400; 240/415; 400/690			
Max. rated operational voltage U_b **max.**	[V]			690			
Min. rated operational voltage U_b **min.**	[V]			195			
Rated ultimate short-circuit breaking capacity I_{cu} **compliant to IEC 60947-2**							
(AC) 50/60 Hz 240/450 V	[kA]	50	36	50	36	50	36
(AC) 50/60 Hz 254/440 V	[kA]	30	20	30	20	30	20
(AC) 50/60 Hz 289/500 V	[kA]	10	10	10	10	10	10
(AC) 50/60 Hz 400/690 V	[kA]	4.5	4.5	4.5	4.5	4.5	4.5
Rated service short-circuit breaking capacity I_{cs} **compliant to IEC 60947-2**							
(AC) 50/60 Hz 240/450 V	[kA]	40	30	40	30	40	30
(AC) 50/60 Hz 254/440 V	[kA]	15	10	15	10	15	10
(AC) 50/60 Hz 289/500 V	[kA]	5	5	5	5	5	5
(AC) 50/60 Hz 400/690 V	[kA]	3	3	3	3	3	3
Rated impulse withstand voltage U_{imp}	[kV]			6			
Impulse (1.2/50)							
Rated impulse withstand voltage U_{imp}	[kV]			2.5			
(50…60 Hz) x 1 min							
Max. operating voltage of test circuit	[V]			690			
Min. operating voltage of test circuit	[V]			195			
Electrical strength compliant to VDE 0432 part 2	[A]	250	250	5000	5000	3000	3000
Rated frequency	[Hz]			50/60			
Rated residual operating current $I_{\Delta n}$	[A]	0.3	0.3	0.3; 1	0.3; 1	0.03	0.03
Switch lever		Bacl(MCB), can be connected in On-Off position + blue (RCD) only in OFF position					
Protection category, housing				IP4X			
Protection category, terminal				IP2X			
Permissible operating ambient temperature	[°C]			–25 ... +60			
Permissible storage temperature	[°C]			–40 ... +70			
Strand connections	[mm²]			6 ... 50			
Cable connections	[mm²]			6 ... 70			
Tightening torque	[Nm]			min. 3; max. 4			
Fixed on mounting rail				EN 60715			

230/400V Let-through energies

S800S-B, -C, -D, -K



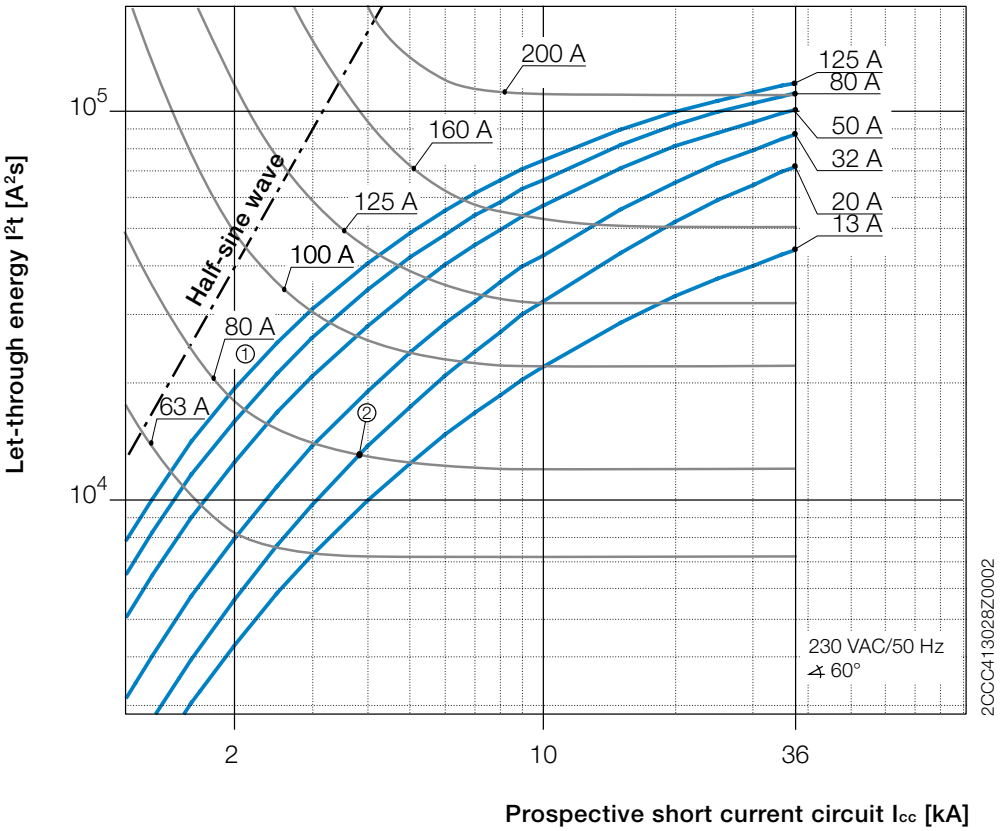


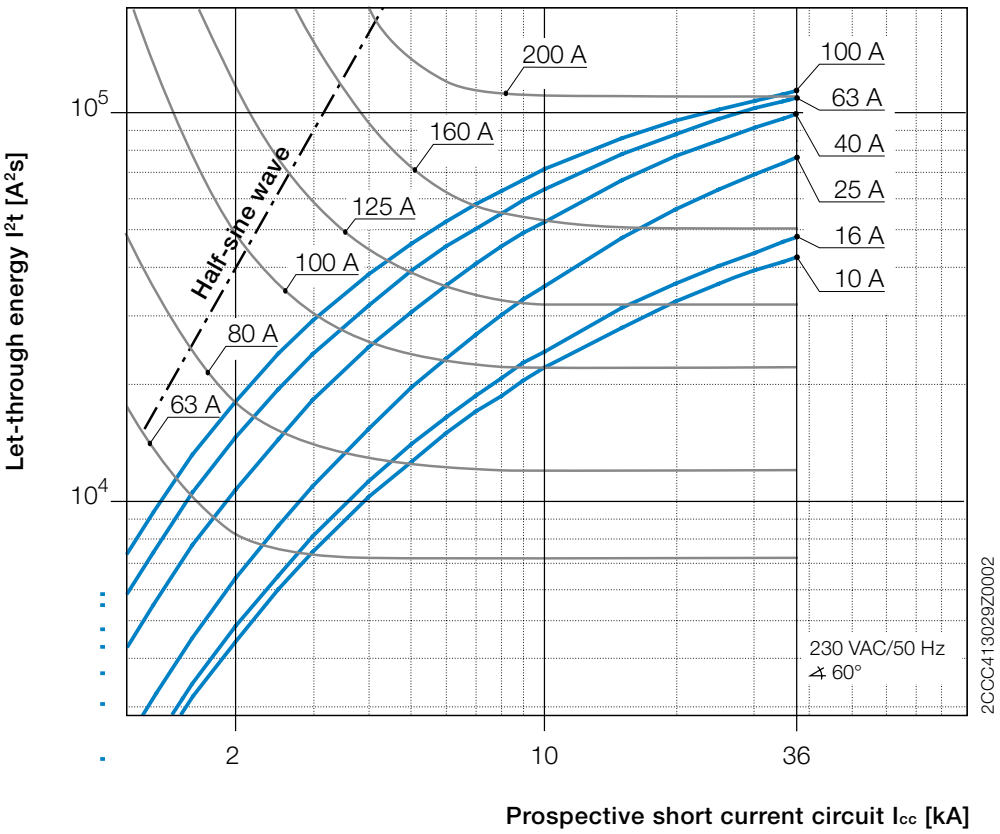
① Min. pre-arcing I2t, e.g. NH80A gL/gG
② Max. let-through I2t, e.g. S801S-C20

Selectivity with respect to the upstream fuse to the point of intersection of both curves 1 and 2, e.g. S801S-C20 to NH80A gL/gG: Selectivity up to min. 5 kA.

230/400V Let-through energyn

S800N-B, -C, -D



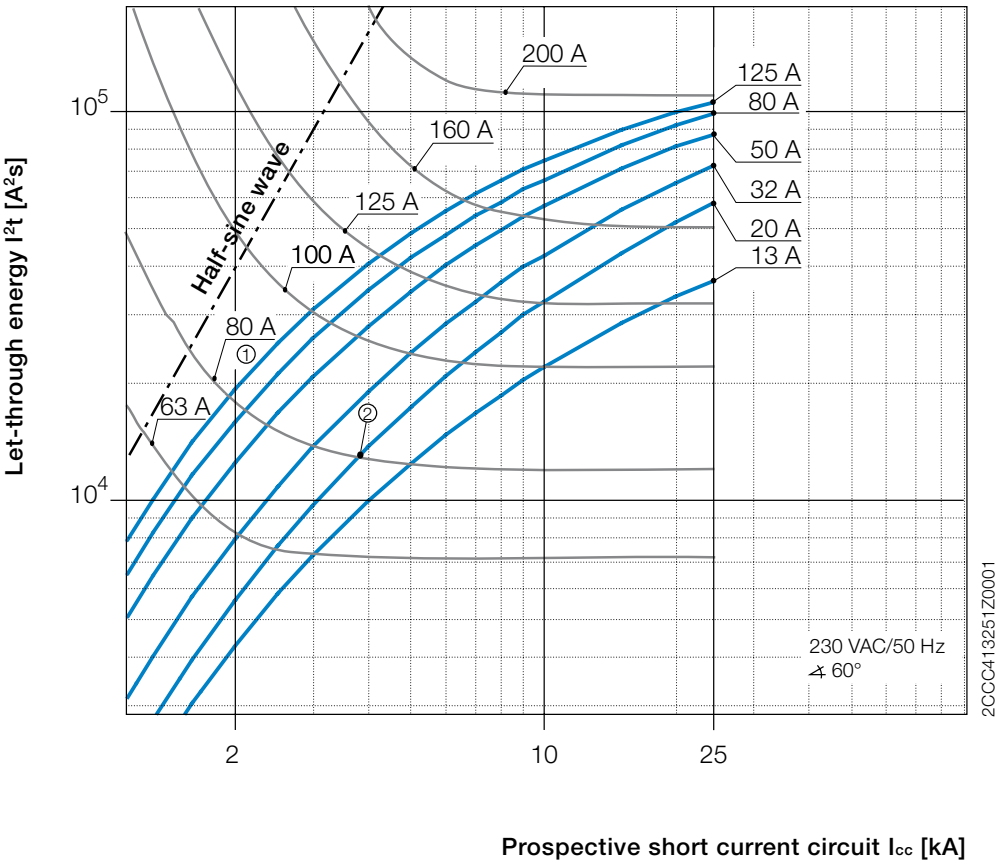


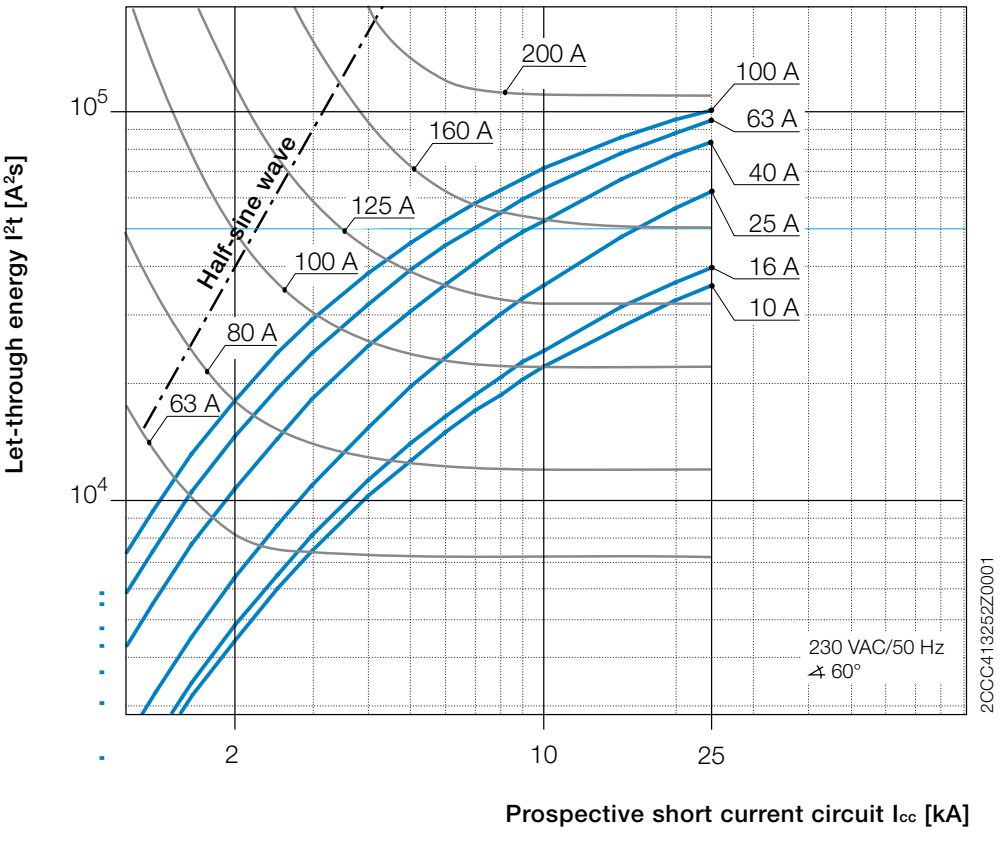
① Min. pre-arcing I2t, e.g. NH80A gL/gG
② Max. let-through I2t, e.g. S801N-C20

Selectivity with respect to the upstream fuse to the point of intersection of both curves 1 and 2, e.g. S801N-C20 to NH80A gL/gG: Selectivity up to min. 3.8 kA.

230/400V Let-through energyn

S800C-B, -C, -D, -K



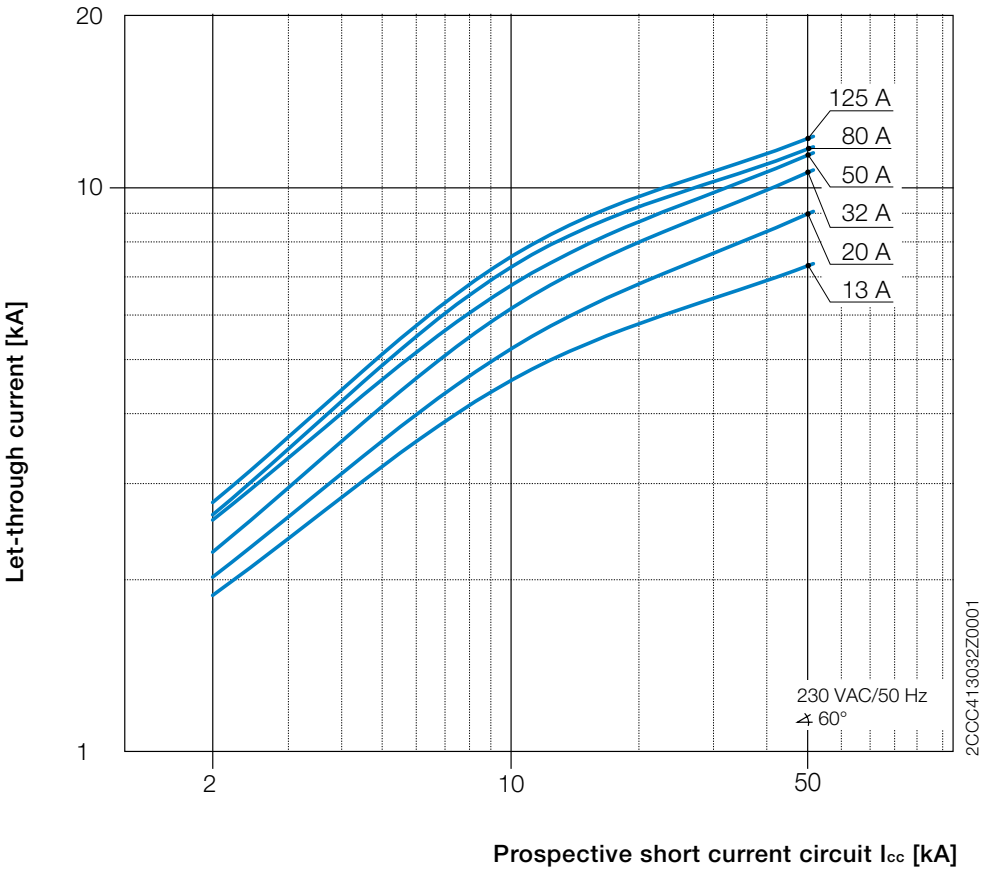


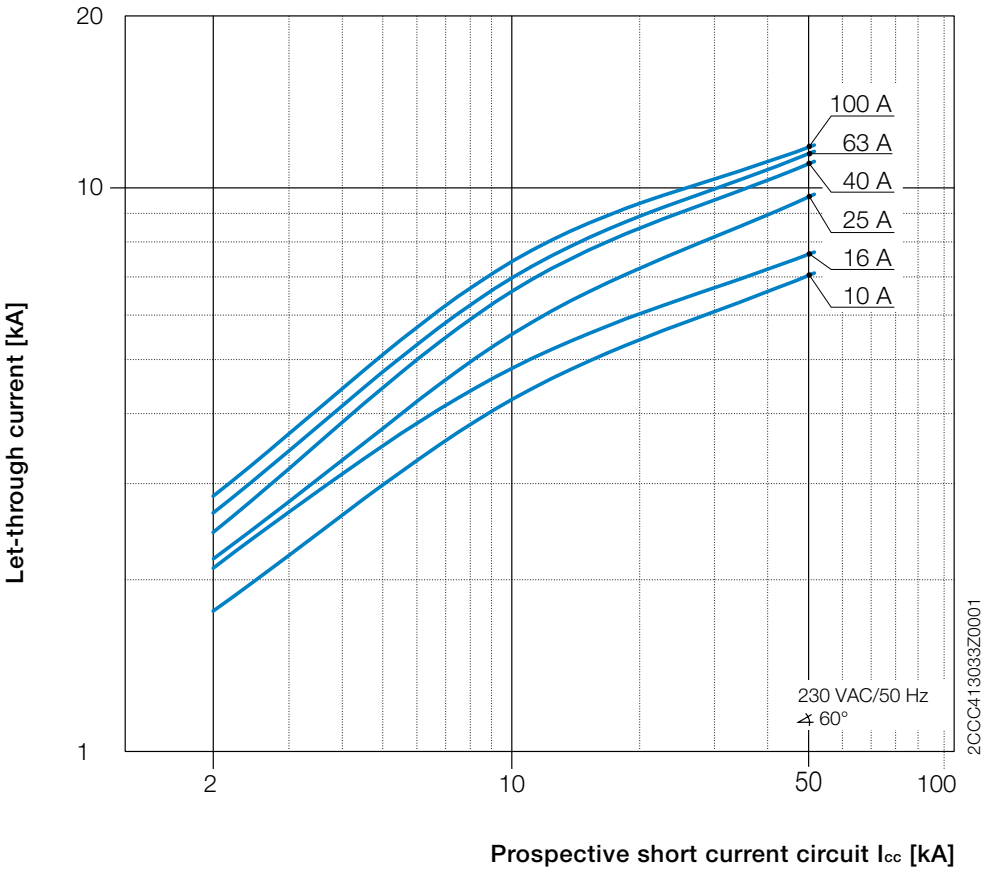
▯ Min. pre-arcing I2t, e.g. NH80A gL/gG
▯ Max. let-through I2t, e.g. S801C-C20

Selectivity with respect to upstream fuse to the point of intersection of both curves 1 and 2, e.g. S801C-C20 to NH80A gL/gG: Selectivity up to min. 3.8 kA

230/400V Let-through current

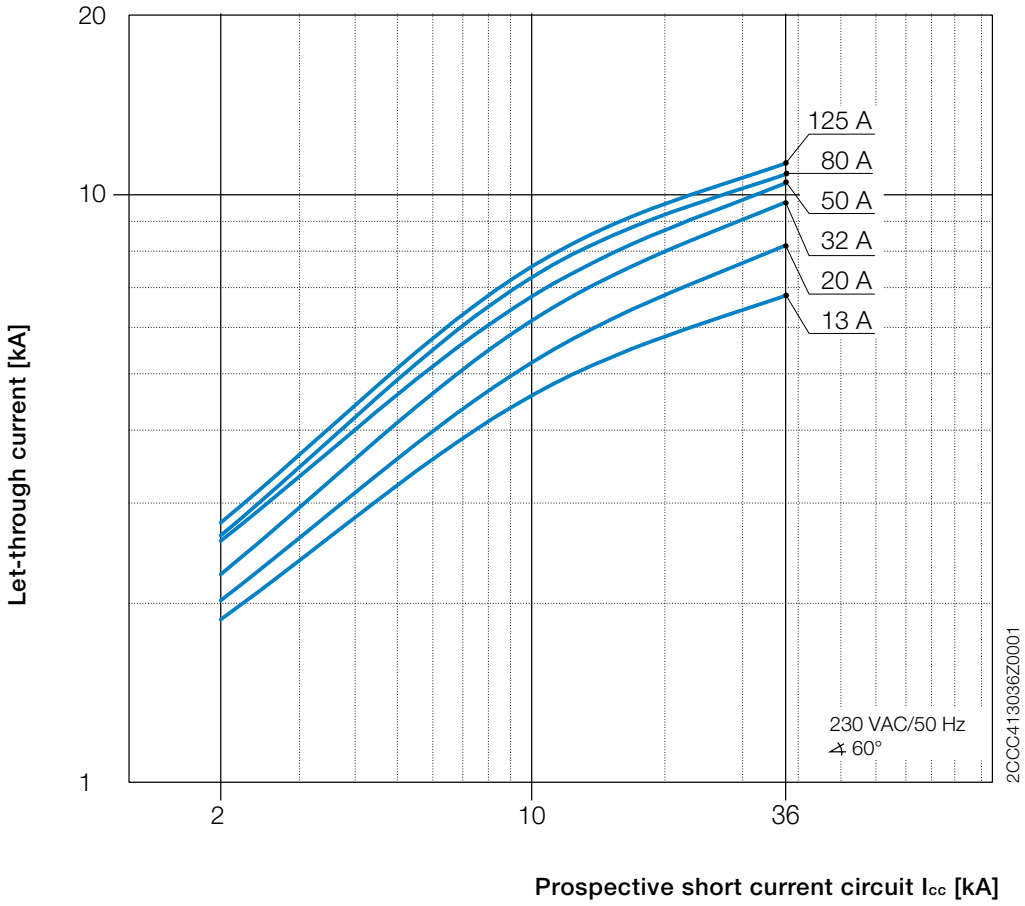
S800S-B, -C, -D, -K

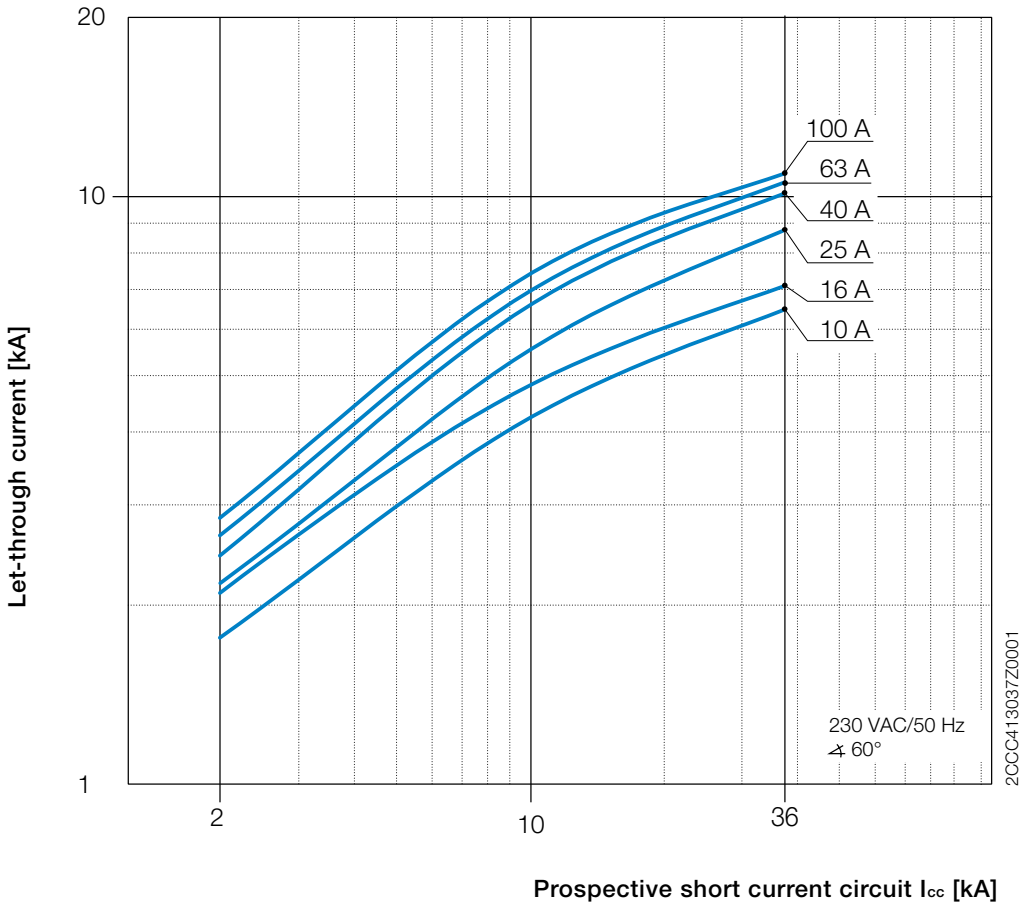




230/400V Let-through current

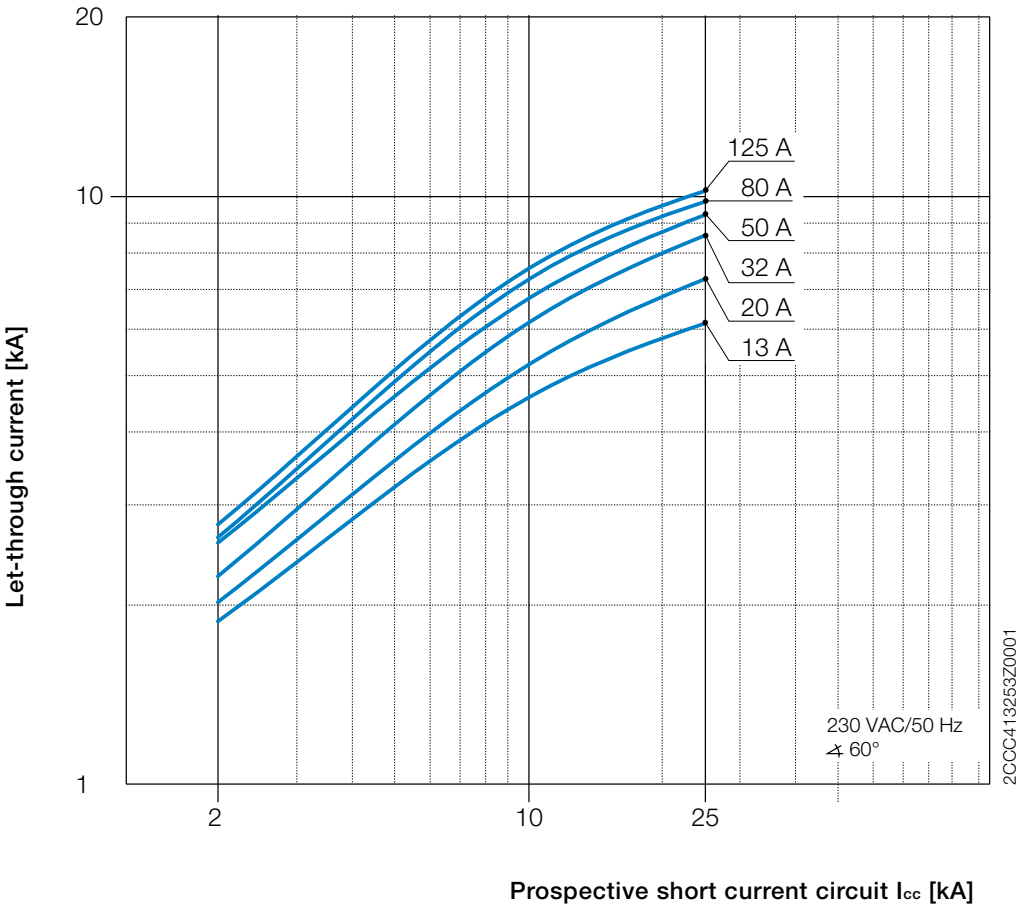
S800N-B, C, D





230/400V Let-through current

S800C-B, -C, -D, -K



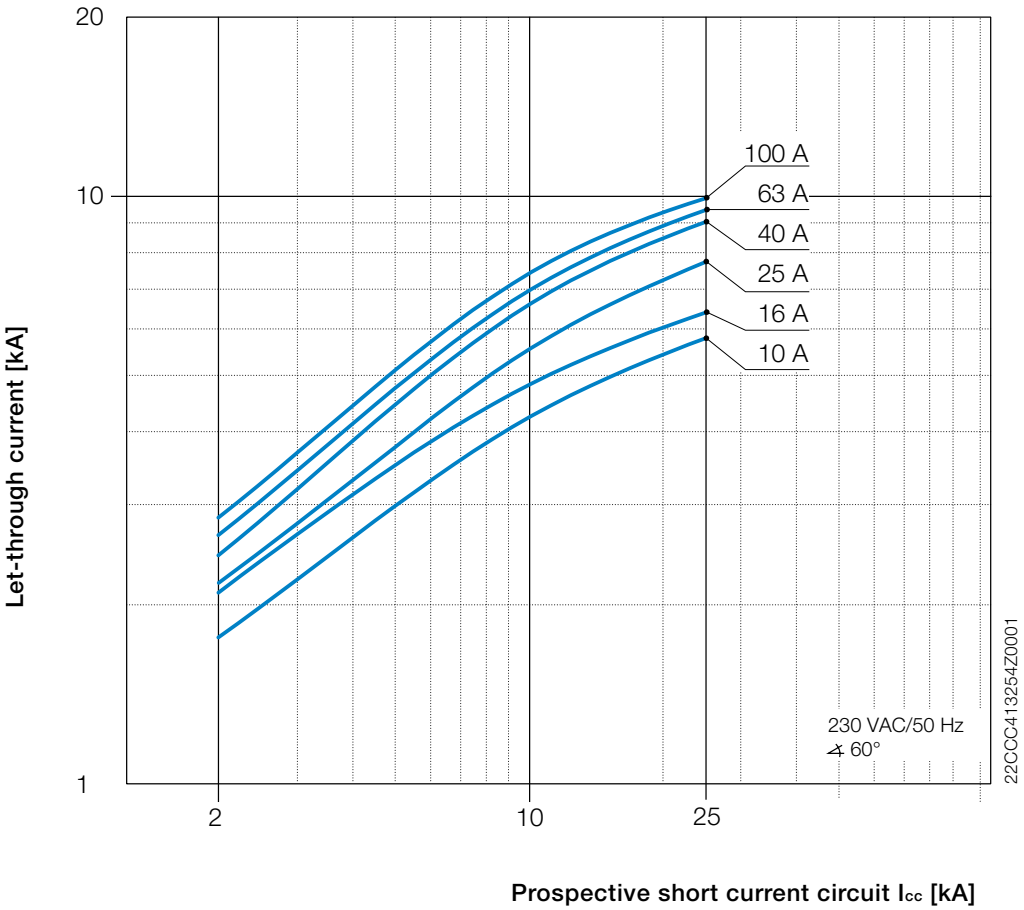
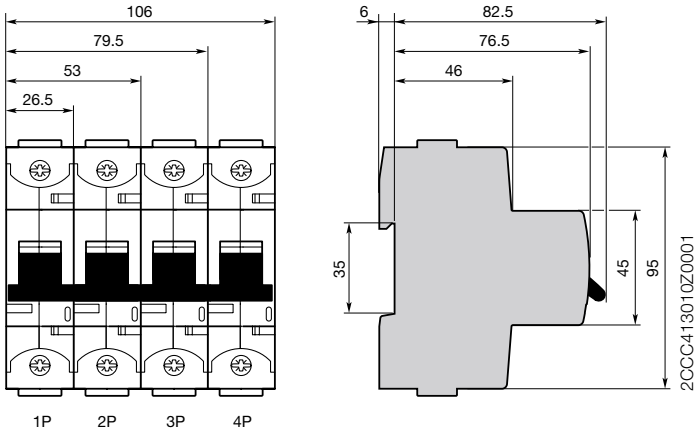


Table of content S800

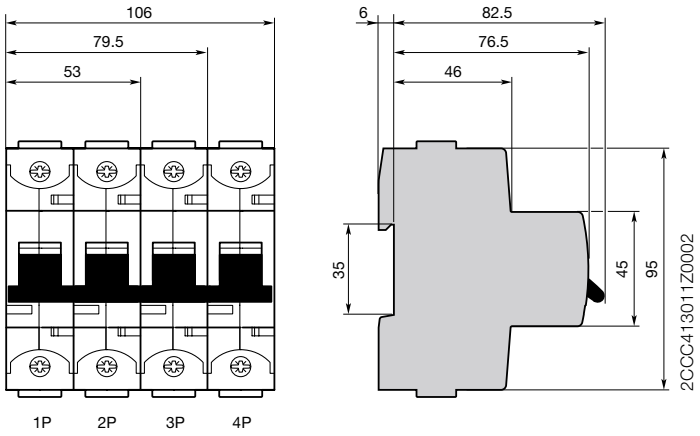
Pole dimensions

High performance MCB

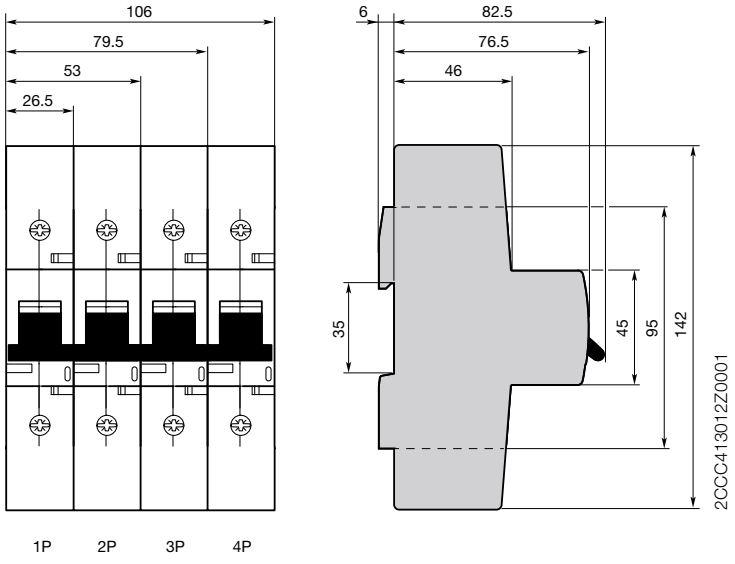
S800S
S800N
S800C



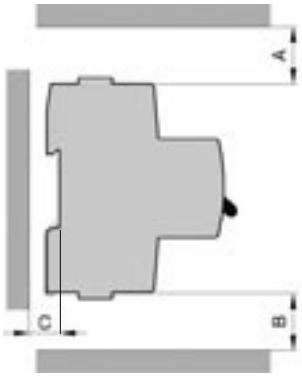
S800U
S800PV-S
S800PV-M



S800S-R



Dimensions of accessories



2CCC413058Z0002

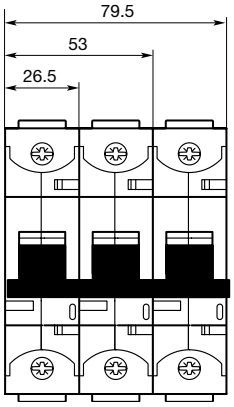
Mounting clearances in mm

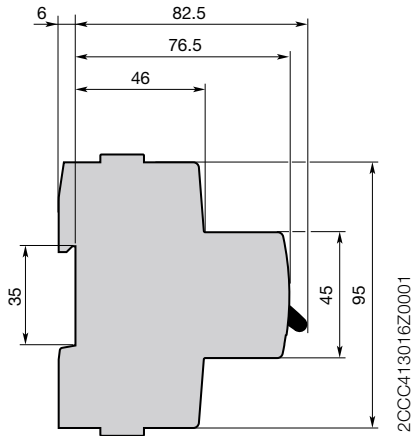
Dimensions	To grounded parts, insulating covers or cable ducts	to bare and/or live parts Where busbar clearance is 10 mm
A	25	100
B	25	100
C	7	50

Mounting clearances in mm for 690 VAC operation

Dimensions	To insulating covers or cable ducts	To grounded parts	to bare and/or live parts
A	25	50	On request
B	25	25	On request
C	7	50	On request

S803S-SCL





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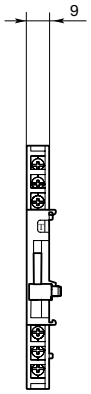
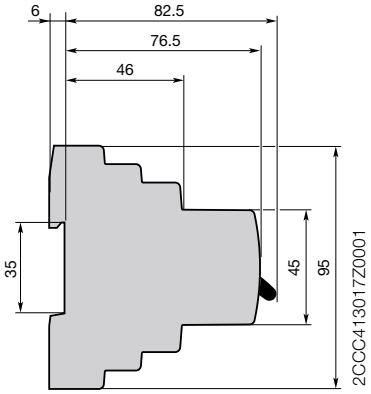
S800-AUX





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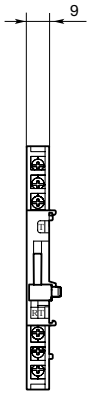
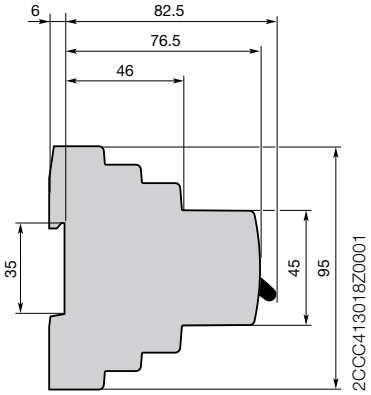
S800-AUX/ALT





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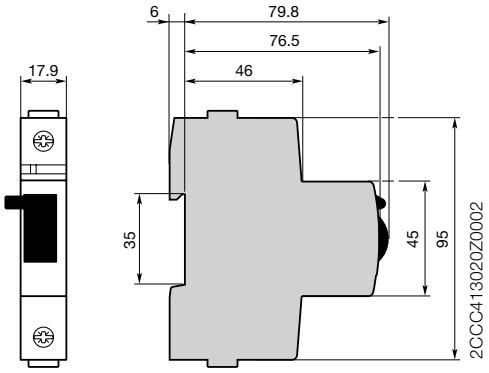
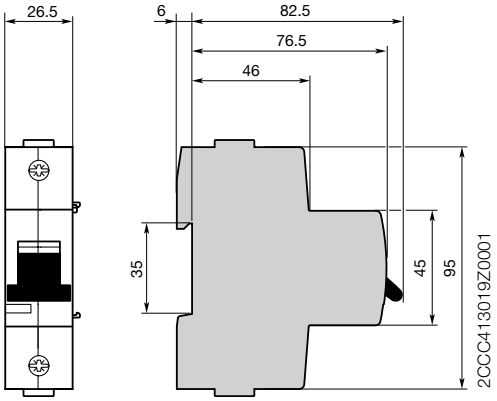
Pole dimensions
High performance MCB

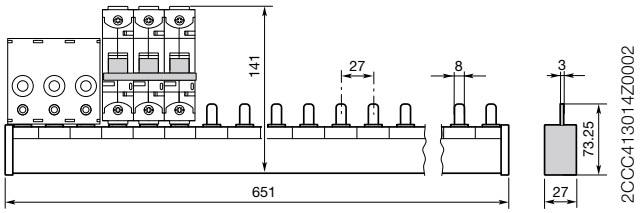
S800-NT



S800-SOR
S800-UVR



S800-BB250



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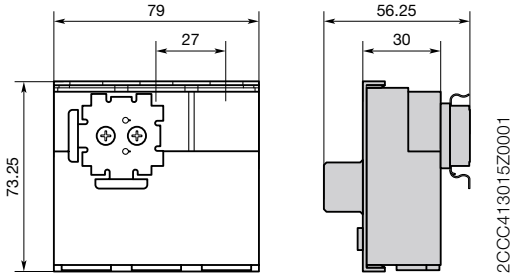
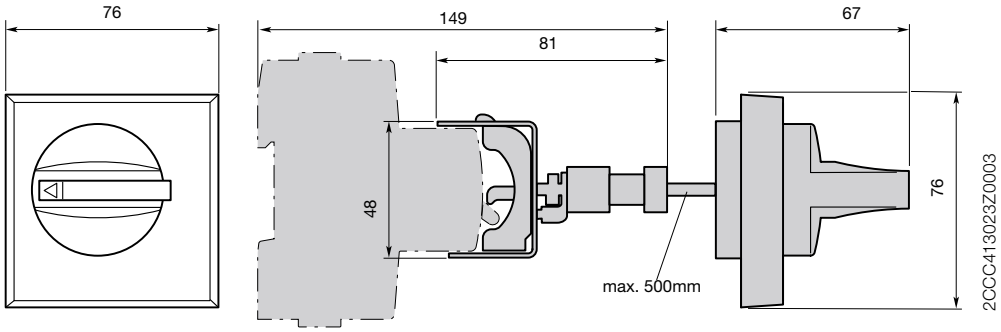


S800-RD + S800-RHE



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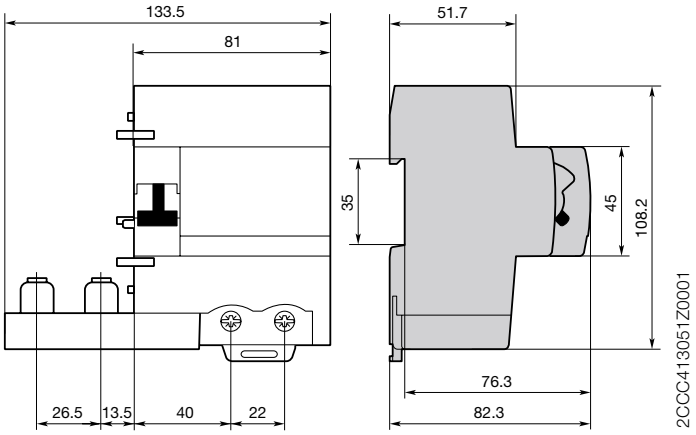

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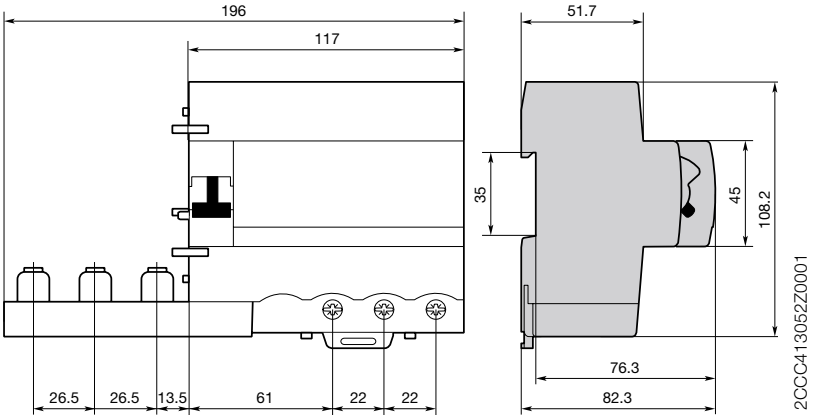
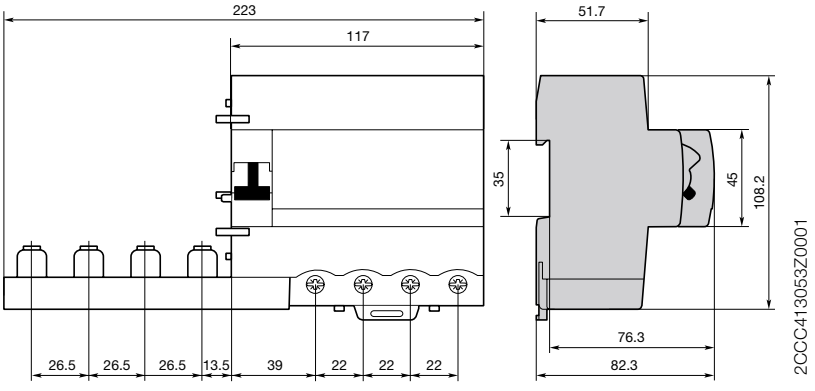
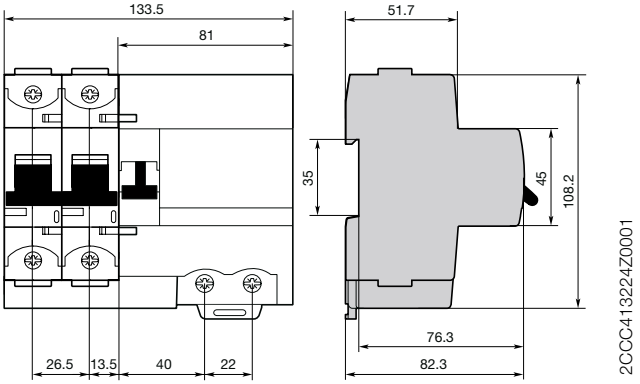


DDA804

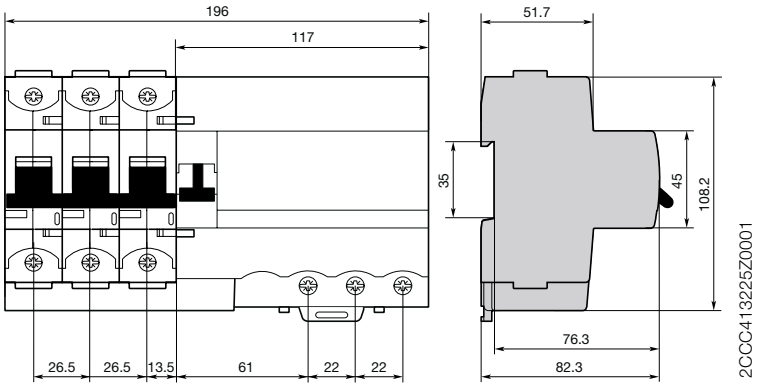


Pole dimensions
High performance MCB

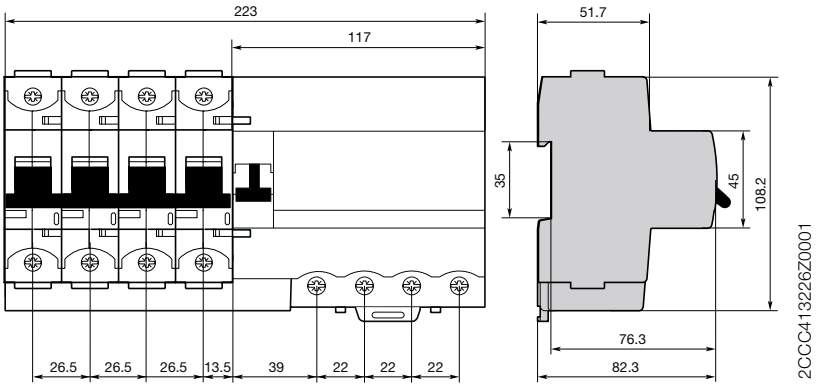
DS802



DS803



DS804



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Approvals and certifications

	Switzer-land	Germany	China	US/ Canada	Russia			Marine		
S800 Main devices										
S800S High performance MCB **B**	■		■		■	■	■	■	■	■
S800S High performance MCB **C**	■		■		■	■	■	■	■	■
S800S High performance MCB **D**	■		■		■	■	■	■	■	■
S800S High performance MCB **K**	■		■		■	■	■	■	■	■
S800U High performance MCB **UL489**				■						
S800S High performance MCB **KM**										
S800S High performance MCB **UCB**	■		■		■					
S800S High performance MCB **UCK**	■		■		■					
S800N High performance MCB **B**	■		■		■					
S800N High performance MCB **C**	■		■		■					
S800N High performance MCB **D**	■		■		■					
S800C High performance MCB **B**	■		□							
S800C High performance MCB **C**	■		□							
S800C High performance MCB **D**	■		□							
S800C High performance MCB **K**										
S800PV-S High performance MCB		■	■							
S800PV-M High performance MCB		■	□							
S800 accessories										
S800-AUX	■	■	■	■	■	■	■	■	■	■
S800-AUX/ALT	■	■	■	■	■	■	■	■	■	■
S800-NT	■									
S803S-SCL						□	■		■	■
S800-SOR				■						
S800-UVR				■						

■ devices are approved
□ devices have been submitted for approval or submission planned for device

Table of content S500

S500-K Characteristic K

I_{cu} up to 100 kA; adjustable high performance MCB

2CCC412002F0001

I_{cu} [kA]	Range of adjustment [A]	Type designation	Product number	EAN number 761227	Weight [kg]	Pack. unit
100	0.1–0.15	S501-K0,15	2CCF008856R0001	0303007	0.25	1
100	0.14–0.21	S501-K0,21	2CCF008857R0001	0303014	0.25	1
100	0.2–0.3	S501-K0,3	2CCF008858R0001	0303021	0.25	1
100	0.28–0.42	S501-K0,42	2CCF008859R0001	0303038	0.25	1
100	0.38–0.58	S501-K0,58	2CCF008860R0001	0303045	0.25	1
100	0.53–0.8	S501-K0,8	2CCF008861R0001	0303052	0.25	1
100	0.73–1.1	S501-K1,1	2CCF008862R0001	0303069	0.25	1
100	1–1.5	S501-K1,5	2CCF008863R0001	0303076	0.25	1
100	1.4–2.1	S501-K2,1	2CCF008864R0001	0303083	0.25	1
100	2–3	S501-K3	2CCF008865R0001	0303090	0.25	1
50	2.8–4.2	S501-K4,2	2CCF008866R0001	0303106	0.25	1
50	3.8–5.8	S501-K5,8	2CCF008867R0001	0303113	0.25	1
50	5.3–8	S501-K8	2CCF008868R0001	0303120	0.25	1
50	7.3–11	S501-K11	2CCF008869R0001	0303137	0.25	1
30	10–15	S501-K15	2CCF008870R0001	0303144	0.25	1
30	14–20	S501-K20	2CCF008871R0001	0303151	0.25	1
30	18–26	S501-K26	2CCF008872R0001	0303168	0.25	1
30	23–32	S501-K32	2CCF008873R0001	0303175	0.25	1
30	29–37	S501-K37	2CCF008874R0001	0303182	0.25	1
30	34–41	S501-K41	2CCF008875R0001	0303199	0.25	1
30	38–45	S501-K45	2CCF008888R0001	0303205	0.25	1

2CCC412007F0001

100	0.1–0.15	S502-K0,15	2CCF008894R0001	0303250	0.5	1
100	0.14–0.21	S502-K0,21	2CCF008895R0001	0303267	0.5	1
100	0.2–0.3	S502-K0,3	2CCF008896R0001	0303274	0.5	1
100	0.28–0.42	S502-K0,42	2CCF008897R0001	0303281	0.5	1
100	0.38–0.58	S502-K0,58	2CCF008898R0001	0303298	0.5	1
100	0.53–0.8	S502-K0,8	2CCF008899R0001	0303304	0.5	1
100	0.73–1.1	S502-K1,1	2CCF008900R0001	0303311	0.5	1
100	1–1.5	S502-K1,5	2CCF008901R0001	0303328	0.5	1
100	1.4–2.1	S502-K2,1	2CCF008902R0001	0303335	0.5	1
100	2–3	S502-K3	2CCF008903R0001	0303342	0.5	1
50	2.8–4.2	S502-K4,2	2CCF008904R0001	0303359	0.5	1
50	3.8–5.8	S502-K5,8	2CCF008905R0001	0303366	0.5	1
50	5.3–8	S502-K8	2CCF008906R0001	0303373	0.5	1
50	7.3–11	S502-K11	2CCF008907R0001	0303380	0.5	1
30	10–15	S502-K15	2CCF008908R0001	0303397	0.5	1
30	14–20	S502-K20	2CCF008909R0001	0303403	0.5	1
30	18–26	S502-K26	2CCF008910R0001	0303410	0.5	1
30	23–32	S502-K32	2CCF008911R0001	0303427	0.5	1
30	29–37	S502-K37	2CCF008912R0001	0303434	0.5	1
30	34–41	S502-K41	2CCF008913R0001	0303441	0.5	1
30	38–45	S502-K45	2CCF008926R0001	0303458	0.5	1

S500-K Characteristic K

I_{cu} up to 100 kA; adjustable high performance MCB

2CCC412013F0001

I_{cu} [kA]	Range of adjustment [A]	Type designation	Product number	EAN number 761227	Weight [kg]	Pack. unit
100	0.1–0.15	S503-K0,15	2CCF008932R0001	0303502	0.71	1
100	0.14–0.21	S503-K0,21	2CCF008933R0001	0303519	0.71	1
100	0.2–0.3	S503-K0,3	2CCF008934R0001	0303526	0.71	1
100	0.28–0.42	S503-K0,42	2CCF008935R0001	0303533	0.71	1
100	0.38–0.58	S503-K0,58	2CCF008936R0001	0303540	0.71	1
100	0.53–0.8	S503-K0,8	2CCF008937R0001	0303557	0.71	1
100	0.73–1.1	S503-K1,1	2CCF008938R0001	0303564	0.71	1
100	1–1.5	S503-K1,5	2CCF008939R0001	0303571	0.71	1
100	1.4–2.1	S503-K2,1	2CCF008940R0001	0303588	0.71	1
100	2–3	S503-K3	2CCF008941R0001	0303595	0.71	1
50	2.8–4.2	S503-K4,2	2CCF008942R0001	0303601	0.71	1
50	3.8–5.8	S503-K5,8	2CCF008943R0001	0303618	0.71	1
50	5.3–8	S503-K8	2CCF008944R0001	0303625	0.71	1
50	7.3–11	S503-K11	2CCF008945R0001	0303632	0.71	1
30	10–15	S503-K15	2CCF008946R0001	0303649	0.71	1
30	14–20	S503-K20	2CCF008947R0001	0303656	0.71	1
30	18–26	S503-K26	2CCF008948R0001	0303663	0.71	1
30	23–32	S503-K32	2CCF008949R0001	0303670	0.71	1
30	29–37	S503-K37	2CCF008950R0001	0303687	0.71	1
30	34–41	S503-K41	2CCF008951R0001	0303694	0.71	1
30	38–45	S503-K45	2CCF008964R0001	0303700	0.71	1

4-pole breaker on request

S500UC-K Characteristic K*

I_{cu} = 30 kA; adjustable high performance MCB

2CCC412001F0001

I_{cu} [kA]	Range of adjustment [A]	Type designation	Product number	EAN number 761227	Weight [kg]	Pack. unit
30	0.1–0.15	S501UC-K0,15	2CCF008988R0001	0302000	0.25	1
30	0.14–0.21	S501UC-K0,21	2CCF008991R0001	0302017	0.25	1
30	0.2–0.3	S501UC-K0,30	2CCF008994R0001	0302024	0.25	1
30	0.28–0.42	S501UC-K0,42	2CCF008997R0001	0302031	0.25	1
30	0.38–0.58	S501UC-K0,58	2CCF009000R0001	0302048	0.25	1
30	0.53–0.8	S501UC-K0,8	2CCF009003R0001	0302055	0.25	1
30	0.73–1.1	S501UC-K1,1	2CCF009006R0001	0302062	0.25	1
30	1–1.5	S501UC-K1,5	2CCF009009R0001	0302079	0.25	1
30	1.4–2.1	S501UC-K2,1	2CCF009012R0001	0302086	0.25	1
30	2–3	S501UC-K3	2CCF009015R0001	0302093	0.25	1
30	2.8–4.2	S501UC-K4,2	2CCF009018R0001	0302109	0.25	1
30	3.8–5.8	S501UC-K5,8	2CCF009021R0001	0302116	0.25	1
30	5.3–8	S501UC-K8	2CCF009024R0001	0302123	0.25	1
30	7.3–11	S501UC-K11	2CCF009027R0001	0302130	0.25	1
30	10–15	S501UC-K15	2CCF009030R0001	0302147	0.25	1
30	14–20	S501UC-K20	2CCF009033R0001	0302154	0.25	1
30	18–26	S501UC-K26	2CCF009036R0001	0302161	0.25	1
30	23–32	S501UC-K32	2CCF009039R0001	0302178	0.25	1
30	29–37	S501UC-K37	2CCF009042R0001	0302185	0.25	1
30	34–41	S501UC-K41	2CCF009045R0001	0302192	0.25	1
30	38–45	S501UC-K45	2CCF009048R0001	0302208	0.25	1

2CCC412006F0001

30	0.1–0.15	S502UC-K0,15	2CCF008989R0001	0302253	0.5	1
30	0.14–0.21	S502UC-K0,21	2CCF008992R0001	0302260	0.5	1
30	0.2–0.3	S502UC-K0,30	2CCF008995R0001	0302277	0.5	1
30	0.28–0.42	S502UC-K0,42	2CCF008998R0001	0302284	0.5	1
30	0.38–0.58	S502UC-K0,58	2CCF009001R0001	0302291	0.5	1
30	0.53–0.8	S502UC-K0,8	2CCF009004R0001	0302307	0.5	1
30	0.73–1.1	S502UC-K1,1	2CCF009007R0001	0302314	0.5	1
30	1–1.5	S502UC-K1,5	2CCF009010R0001	0302321	0.5	1
30	1.4–2.1	S502UC-K2,1	2CCF009013R0001	0302338	0.5	1
30	2–3	S502UC-K3	2CCF009016R0001	0302345	0.5	1
30	2.8–4.2	S502UC-K4,2	2CCF009019R0001	0302352	0.5	1
30	3.8–5.8	S502UC-K5,8	2CCF009022R0001	0302369	0.5	1
30	5.3–8	S502UC-K8	2CCF009025R0001	0302376	0.5	1
30	7.3–11	S502UC-K11	2CCF009028R0001	0302383	0.5	1
30	10–15	S502UC-K15	2CCF009031R0001	0302390	0.5	1
30	14–20	S502UC-K20	2CCF009034R0001	0302406	0.5	1
30	18–26	S502UC-K26	2CCF009037R0001	0302413	0.5	1
30	23–32	S502UC-K32	2CCF009040R0001	0302420	0.5	1
30	29–37	S502UC-K37	2CCF009043R0001	0302437	0.5	1
30	34–41	S502UC-K41	2CCF009046R0001	0302444	0.5	1
30	38–45	S502UC–K45	2CCF009049R0001	0302451	0.5	1

* for DC applications

S500UC-K Characteristic K*

I_{cu} = 30 kA; adjustable high performance MCB

2CCC412011F0001

I_{cu} [kA]	Range of adjustment [A]	Type designation	Product number	EAN number 761227	Weight [kg]	Pack. unit
30	0.1–0.15	S503UC-K0,15	2CCF008990R0001	0302505	0.71	1
30	0.14–0.21	S503UC-K0,21	2CCF008993R0001	0302512	0.71	1
30	0.2–0.3	S503UC-K0,30	2CCF008996R0001	0302529	0.71	1
30	0.28–0.42	S503UC-K0,42	2CCF008999R0001	0302536	0.71	1
30	0.38–0.58	S503UC-K0,58	2CCF009002R0001	0302543	0.71	1
30	0.53–0.8	S503UC-K0,8	2CCF009005R0001	0302550	0.71	1
30	0.73–1.1	S503UC-K1,1	2CCF009008R0001	0302567	0.71	1
30	1–1.5	S503UC-K1,5	2CCF009011R0001	0302574	0.71	1
30	1.4–2.1	S503UC-K2,1	2CCF009014R0001	0302581	0.71	1
30	2–3	S503UC-K3	2CCF009017R0001	0302598	0.71	1
30	2.8–4.2	S503UC-K4,2	2CCF009020R0001	0302604	0.71	1
30	3.8–5.8	S503UC-K5,8	2CCF009023R0001	0302611	0.71	1
30	5.3–8	S503UC-K8	2CCF009026R0001	0302628	0.71	1
30	7.3–11	S503UC-K11	2CCF009029R0001	0302635	0.71	1
30	10–15	S503UC-K15	2CCF009032R0001	0302642	0.71	1
30	14–20	S503UC-K20	2CCF009035R0001	0302659	0.71	1
30	18–26	S503UC-K26	2CCF009038R0001	0302666	0.71	1
30	23–32	S503UC-K32	2CCF009041R0001	0302673	0.71	1
30	29–37	S503UC-K37	2CCF009044R0001	0302680	0.71	1
30	34–41	S503UC-K41	2CCF009047R0001	0302697	0.71	1
30	38–45	S503UC-K45	2CCF009050R0001	0302703	0.71	1

2CCC412017F0001

30	0.1–0.15	S504UC-K0,15	2CCF011771R0001	0302758	0.92	1
30	0.14–0.21	S504UC-K0,21	2CCF011772R0001	0302765	0.92	1
30	0.2–0.3	S504UC-K0,3	2CCF011576R0001	0302772	0.92	1
30	0.28–0.42	S504UC-K0,42	2CCF011773R0001	0302789	0.92	1
30	0.38–0.58	S504UC-K0,58	2CCF011774R0001	0302796	0.92	1
30	0.53–0.8	S504UC-K0,8	2CCF011775R0001	0302802	0.92	1
30	0.73–1.1	S504UC-K1,1	2CCF011776R0001	0302819	0.92	1
30	1–1.5	S504UC-K1,5	2CCF011777R0001	0302826	0.92	1
30	1.4–2.1	S504UC-K2,1	2CCF011778R0001	0302833	0.92	1
30	2–3	S504UC-K3	2CCF011779R0001	0302840	0.92	1
30	2.8–4.2	S504UC-K4,2	2CCF011780R0001	0302857	0.92	1
30	3.8–5.8	S504UC-K5,8	2CCF011781R0001	0302864	0.92	1
30	5.3–8	S504UC-K8	2CCF011782R0001	0302871	0.92	1
30	7.3–11	S504UC-K11	2CCF011509R0001	0302888	0.92	1
30	10–15	S504UC-K15	2CCF011783R0001	0302895	0.92	1
30	14–20	S504UC-K20	2CCF011784R0001	0302901	0.92	1
30	18–26	S504UC-K26	2CCF011785R0001	0302918	0.92	1
30	23–32	S504UC-K32	2CCF011786R0001	0302925	0.92	1
30	29–37	S504UC-K37	2CCF011787R0001	0302932	0.92	1
30	34–41	S504UC-K41	2CCF011788R0001	0302949	0.92	1
30	38–45	S504UC-K45	2CCF011789R0001	0302956	0.92	1

* for DC applications

S500HV-K Characteristic K

I_{cu} = 1,5 kA; for applications up to 1000 VAC

2CCC412003F0001

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 761227	Weight [kg]	Pack. unit
1.5	1	S501HV-K1 580V	2CCF017747R0001	0403454	0.25	1
1.5	3	S501HV-K3 580V	2CCF015787R0001	0424160	0.25	1
1.5	4	S501HV-K4 580V	2CCF015790R0001	0424184	0.25	1
1.5	6	S501HV-K6 580V	2CCF015793R0001	0424214	0.25	1
1.5	8	S501HV-K8 580V	2CCF015796R0001	0424245	0.25	1
1.5	10	S501HV-K10 580V	2CCF015799R0001	0424276	0.25	1
1.5	13	S501HV-K13 580V	2CCF015802R0001	0424306	0.25	1
1.5	16	S501HV-K16 580V	2CCF015805R0001	0424337	0.25	1
1.5	20	S501HV-K20 580V	2CCF015808R0001	0424368	0.25	1
1.5	25	S501HV-K25 580V	2CCF015811R0001	0424399	0.25	1
1.5	32	S501HV-K32 580V	2CCF015814R0001	0424429	0.25	1
1.5	40	S501HV-K40 580V	2CCF015817R0001	0424450	0.25	1
1.5	45	S501HV-K45 580V	2CCF015820R0001	0424481	0.25	1

2CCC412008F0001

1.5	1	S502HV-K1 1000V	2CCF017961R0001	1407810	0.50	1
1.5	3	S502HV-K3 1000V	2CCF015788R0001	0424177	0.50	1
1.5	4	S502HV-K4 1000V	2CCF015791R0001	0424191	0.50	1
1.5	6	S502HV-K6 1000V	2CCF015794R0001	0424221	0.50	1
1.5	8	S502HV-K8 1000V	2CCF015797R0001	0424252	0.50	1
1.5	10	S502HV-K10 1000V	2CCF015800R0001	0424283	0.50	1
1.5	13	S502HV-K13 1000V	2CCF015803R0001	0424313	0.50	1
1.5	16	S502HV-K16 1000V	2CCF015806R0001	0424344	0.50	1
1.5	20	S502HV-K20 1000V	2CCF015809R0001	0424375	0.50	1
1.5	25	S502HV-K25 1000V	2CCF015812R0001	0424405	0.50	1
1.5	32	S502HV-K32 1000V	2CCF015815R0001	0424436	0.50	1
1.5	40	S502HV-K40 1000V	2CCF015818R0001	0424467	0.50	1
1.5	45	S502HV-K45 1000V	2CCF015821R0001	0424498	0.50	1

2CCC412014F0001

1.5	1	S503HV-K1 1000V	2CCF017748R0001	0403461	0.71	1
1.5	3	S503HV-K3 1000V	2CCF015827R0001	0500499	0.71	1
1.5	4	S503HV-K4 1000V	2CCF015792R0001	0424207	0.71	1
1.5	6	S503HV-K6 1000V	2CCF015795R0001	0424238	0.71	1
1.5	8	S503HV-K8 1000V	2CCF015798R0001	0424269	0.71	1
1.5	10	S503HV-K10 1000V	2CCF015801R0001	0424290	0.71	1
1.5	13	S503HV-K13 1000V	2CCF015804R0001	0424320	0.71	1
1.5	16	S503HV-K16 1000V	2CCF015807R0001	0424351	0.71	1
1.5	20	S503HV-K20 1000V	2CCF015810R0001	0424382	0.71	1
1.5	25	S503HV-K25 1000V	2CCF015813R0001	0424412	0.71	1
1.5	32	S503HV-K32 1000V	2CCF015816R0001	0424443	0.71	1
1.5	40	S503HV-K40 1000V	2CCF015819R0001	0424474	0.71	1
1.5	45	S503HV-K45 1000V	2CCF015822R0001	0424504	0.71	1

S500X-AG1499

I_{cu} up to 100 kA; adjustable high performance MCB

2CCC412005F0001

I_{cu} [kA]	Range of adjustment [A]	Type designation	Product number	EAN number 761227	Weight [kg]	Pack. unit
100	0.1–0.15	S501X-AG1499-0,15	2CCF008773R0001	0577996	0.25	1
100	0.14–0.21	S501X-AG1499-0,21	2CCF008774R0001	0577989	0.25	1
100	0.2–0.3	S501X-AG1499-0,30	2CCF008775R0001	0577972	0.25	1
100	0.28–0.42	S501X-AG1499-0,42	2CCF008776R0001	0577965	0.25	1
100	0.38–0.58	S501X-AG1499-0,58	2CCF008777R0001	0577958	0.25	1
100	0.53–0.8	S501X-AG1499-0,8	2CCF008778R0001	0577941	0.25	1
100	0.73–1.1	S501X-AG1499-1,1	2CCF008779R0001	0577934	0.25	1
100	1–1.5	S501X-AG1499-1,50	2CCF008780R0001	0577927	0.25	1
100	1.4–2.1	S501X-AG1499-2,1	2CCF008781R0001	0577880	0.25	1
100	2–3	S501X-AG1499-3	2CCF008782R0001	0577859	0.25	1
50	2.8–4.2	S501X-AG1499-4,2	2CCF008783R0001	0577828	0.25	1
50	3.8–5.8	S501X-AG1499-5,8	2CCF008784R0001	0577798	0.25	1
50	5.3–8	S501X-AG1499-8	2CCF008785R0001	0577774	0.25	1
50	7.3–11	S501X-AG1499-11	2CCF008786R0001	0577910	0.25	1
30	10–15	S501X-AG1499-15	2CCF008787R0001	0577897	0.25	1
30	14–20	S501X-AG1499-20	2CCF008788R0001	0577873	0.25	1
30	18–26	S501X-AG1499-26	2CCF008789R0001	0577866	0.25	1
30	23–32	S501X-AG1499-32	2CCF008790R0001	0577842	0.25	1
30	29–37	S501X-AG1499-37	2CCF008791R0001	0577835	0.25	1
30	34–41	S501X-AG1499-41	2CCF008792R0001	0577811	0.25	1
30	38–45	S501X-AG1499-45	2CCF008793R0001	0577804	0.25	1

2CCC412010F0001

100	0.1–0.15	S502X-AG1499-0,15	2CCF008794R0001	0576722	0.5	1
100	0.14–0.21	S502X-AG1499-0,21	2CCF008795R0001	0576715	0.5	1
100	0.2–0.3	S502X-AG1499-0,30	2CCF008796R0001	0576708	0.5	1
100	0.28–0.42	S502X-AG1499-0,42	2CCF008797R0001	0576692	0.5	1
100	0.38–0.58	S502X-AG1499-0,58	2CCF008798R0001	0576685	0.5	1
100	0.53–0.8	S502X-AG1499-0,8	2CCF008799R0001	0576678	0.5	1
100	0.73–1.1	S502X-AG1499-1,1	2CCF008800R0001	0576661	0.5	1
100	1–1.5	S502X-AG1499-1,5	2CCF008801R0001	0576654	0.5	1
100	1.4–2.1	S502X-AG1499-2,1	2CCF008802R0001	0576623	0.5	1
100	2–3	S502X-AG1499-3	2CCF008803R0001	0576593	0.5	1
50	2.8–4.2	S502X-AG1499-4,2	2CCF008804R0001	0576562	0.5	1
50	3.8–5.8	S502X-AG1499-5,8	2CCF008805R0001	0576531	0.5	1
50	5.3–8	S502X-AG1499-8	2CCF008806R0001	0576524	0.5	1
50	7.3–11	S502X-AG1499-11	2CCF008807R0001	0576647	0.5	1
30	10–15	S502X-AG1499-15	2CCF008808R0001	0576630	0.5	1
30	14–20	S502X-AG1499-20	2CCF008809R0001	0576616	0.5	1
30	18–26	S502X-AG1499-26	2CCF008810R0001	0576609	0.5	1
30	23–32	S502X-AG1499-32	2CCF008811R0001	0576586	0.5	1
30	29–37	S502X-AG1499-37	2CCF008812R0001	0576579	0.5	1
30	34–41	S502X-AG1499-41	2CCF008813R0001	0576555	0.5	1
30	38–45	S502X-AG1499-45	2CCF008814R0001	0576548	0.5	1

S500X-AG1499

I_{cu} up to 100 kA; adjustable high performance MCB

2CCC412016F0001

I_{cu} [kA]	Range of adjustment [A]	Type designation	Product number	EAN number 761227	Weight [kg]	Pack. unit
100	0.1–0.15	S503X-AG1499-0,15	2CCF008821R0001	0572311	0.71	1
100	0.14–0.21	S503X-AG1499-0,21	2CCF008822R0001	0572304	0.71	1
100	0.2–0.3	S503X-AG1499-0,30	2CCF008823R0001	0572298	0.71	1
100	0.28–0.42	S503X-AG1499-0,42	2CCF008824R0001	0572281	0.71	1
100	0.38–0.58	S503X-AG1499-0,58	2CCF008825R0001	0572274	0.71	1
100	0.53–0.8	S503X-AG1499-0,8	2CCF008826R0001	0572267	0.71	1
100	0.73–1.1	S503X-AG1499-1,1	2CCF008827R0001	0572250	0.71	1
100	1–1.5	S503X-AG1499-1,5	2CCF008828R0001	0572243	0.71	1
100	1.4–2.1	S503X-AG1499-2,1	2CCF008829R0001	0572205	0.71	1
100	2–3	S503X-AG1499-3	2CCF008830R0001	0572175	0.71	1
50	2.8–4.2	S503X-AG1499-4,2	2CCF008831R0001	0572144	0.71	1
50	3.8–5.8	S503X-AG1499-5,8	2CCF008832R0001	0572113	0.71	1
50	5.3–8	S503X-AG1499-8	2CCF008833R0001	0572106	0.71	1
50	7.3–11	S503X-AG1499-11	2CCF008834R0001	0572236	0.71	1
30	10–15	S503X-AG1499-15	2CCF008835R0001	0572212	0.71	1
30	14–20	S503X-AG1499-20	2CCF008836R0001	0572199	0.71	1
30	18–26	S503X-AG1499-26	2CCF008837R0001	0572182	0.71	1
30	23–32	S503X-AG1499-32	2CCF008838R0001	0572168	0.71	1
30	29–37	S503X-AG1499-37	2CCF008839R0001	0572151	0.71	1
30	34–41	S503X-AG1499-41	2CCF008840R0001	0572137	0.71	1
30	38–45	S503X-AG1499-45	2CCF008841R0001	0572120	0.71	1

S503X-AG0084

I_{cu} = 50 kA; fixed high performance MCB

2CCC412012F0001

I_{cu} [kA]	Rated current [A]	Type designation	Product number	EAN number 761227	Weight [kg]	Pack. unit
50	0.8	S503X-AG0084-0.8	2CCF011613R0001	0500550	0.71	1
50	1.6	S503X-AG0084-1.6	2CCF014894R0001	0303908	0.71	1
50	2.5	S503X-AG0084-2.5	2CCF014895R0001	0303915	0.71	1
50	4	S503X-AG0084-4	2CCF014896R0001	0303922	0.71	1
50	6	S503X-AG0084-6	2CCF014897R0001	0303939	0.71	1
50	9	S503X-AG0084-9	2CCF014898R0001	0303946	0.71	1
50	15	S503X-AG0084-15	2CCF011532R0001	0500598	0.71	1
50	20	S503X-AG0084-20	2CCF011614R0001	0303953	0.71	1
50	25	S503X-AG0084-25	2CCF013067R0001	0500628	0.71	1
50	32	S503X-AG0084-32	2CCF011535R0001	0303960	0.71	1
50	40	S503X-AG0084-40	2CCF013061R0001	0303991	0.71	1
50	45	S503X-AG0084-45	2CCF013068R0001	0500697	0.71	1
50	52	S503X-AG0084-52	2CCF014963R0001	0303977	0.71	1
50	63	S503X-AG0084-63	2CCF014541R0001	0303984	0.71	1

Further rated currents on request

F500-K
Residual current protection with motor protection


2CCC425002F0001

I_{cu} [kA]	$I_{\Delta n}$ [mA]	U_e [V]	Range of adjustment [A]	Type designation	Product number	EAN number 761227	Weight [kg]	Pack. unit
100	30	400	0.53–0.8	F503-K0,8/0,03	2CCF014995R0001	0501496	1.07	1
100	30	400	0.73–1.1	F503-K1,1/0,03	2CCF014713R0001	0503087	1.07	1
100	30	400	1–1.5	F503-K1,5/0,03	2CCF014714R0001	0304691	1.07	1
100	30	400	1.4–2.1	F503-K2,1/0,03	2CCF014715R0001	0503155	1.07	1
100	30	400	2–3	F503-K3/0,03	2CCF014716R0001	0503216	1.07	1
50	30	400	2.8–4.2	F503-K4,2/0,03	2CCF014717R0001	0503261	1.07	1
50	30	400	3.8–5.8	F503-K5,8/0,03	2CCF014718R0001	0503339	1.07	1
50	30	400	5.3–8	F503-K8/0,03	2CCF014719R0001	0503360	1.07	1
50	30	400	7.3–11	F503-K11/0,03	2CCF014720R0001	0304752	1.07	1
30	30	400	10–15	F503-K15/0,03	2CCF014721R0001	0503131	1.07	1
30	30	400	14–20	F503-K20/0,03	2CCF014722R0001	0503162	1.07	1
30	30	400	18–26	F503-K26/0,03	2CCF014723R0001	0503186	1.07	1
30	30	400	23–32	F503-K32/0,03	2CCF014724R0001	0503223	1.07	1
30	30	400	29–37	F503-K37/0,03	2CCF014725R0001	0503230	1.07	1
30	30	400	34–41	F503-K41/0,03	2CCF014726R0001	0503285	1.07	1
30	30	400	38–45	F503-K45/0,03	2CCF014727R0001	0503308	1.07	1


2CCC425003F0001

100	30	230/400	0.2–0.3	F504-K0,3/0,03	2CCF016414R0001	0584697	1.4	1
100	30	230/400	0.28–0.42	F504-K0,42/0,03	2CCF015466R0001	0502028	1.4	1
100	30	230/400	0.73–1.1	F504-K1,1/0,03	2CCF010073R0001	0305131	1.4	1
100	30	230/400	1–1.5	F504-K1,5/0,03	2CCF010075R0001	0305148	1.4	1
100	30	230/400	1.4–2.1	F504-K2,1/0,03	2CCF010077R0001	0305155	1.4	1
100	30	230/400	2–3	F504-K3/0,03	2CCF010079R0001	0305162	1.4	1
50	30	230/400	2.8–4.2	F504-K4,2/0,03	2CCF010081R0001	0305179	1.4	1
50	30	230/400	3.8–5.8	F504-K5,8/0,03	2CCF010083R0001	0305186	1.4	1
50	30	230/400	5.3–8	F504-K8/0,03	2CCF010085R0001	0305193	1.4	1
50	30	230/400	7.3–11	F504-K11/0,03	2CCF010087R0001	0305209	1.4	1
30	30	230/400	10–15	F504-K15/0,03	2CCF010089R0001	0305216	1.4	1
30	30	230/400	14–20	F504-K20/0,03	2CCF010091R0001	0305223	1.4	1
30	30	230/400	18–26	F504-K26/0,03	2CCF010093R0001	0305230	1.4	1
30	30	230/400	23–32	F504-K32/0,03	2CCF010095R0001	0305247	1.4	1
30	30	230/400	29–37	F504-K37/0,03	2CCF010097R0001	0305254	1.4	1
30	30	230/400	34–41	F504-K41/0,03	2CCF010099R0001	0305261	1.4	1
30	30	230/400	38–45	F504-K45/0,03	2CCF010101R0001	0305278	1.4	1

On request:
Residual current circuit protection with overload protection
Short-delay residual current circuit breaker with overload protection
Selective residual current circuit breaker with overload protection

Characteristic:	C, D
Rated current:	230/400, 400/690, 500, 690 VAC
$I_{\Delta n}$	10, 30, 300, 500, 1000 mA
short-time delayed.:	30 mA G
selective:	300, 1000 mA S

Accessory
Fitted by the customer

S500-H11

S500-H20

S500-S11

S500-S20

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2CCC425009F0001

2CCC425008F0001

2CCC425016F0001

2CCC425015F0001

2CCC425014F0001

	Type designation	Product number	EAN number 761227	Weight [kg]	Pack. unit
Auxiliary contact					
1 NO and 1 NC contact	S500-H11	2CCF008681R0001	0305506	0.06	1
2 NO contacts	S500-H20	2CCF008682R0001	0305513	0.06	1
Signal contact					
1 NO and 1 NC contact	S500-S11	2CCF008684R0001	0305537	0.06	1
2 NO contacts	S500-S20	2CCF008685R0001	0305544	0.06	1
Rotary drive for 6 mm spindles					
for 1- to 3-pole circuit breaker	S500-RD3	2CCF014218R0001	0306008	0.08	1
for 4- to 6-pole circuit breaker	S500-RD4	2CCF014219R0001	0306015	0.08	1
Rotary drive for door mounting					
Front plate and switch handle black	S500-H2B1	2CCF014207R0001	0306046	0.07	1
Front plate yellow, switch handle red	S500-H2Y1	2CCF014208R0001	0306053	0.07	1
Rotary drive for door mounting - lockable in OFF-position, door interlock in ON-position					
Front plate and switch handle black	S500-H2B1	2CCF014207R0001	0306046	0.07	1
Front plate yellow, switch handle red	S500-H2Y1	2CCF014208R0001	0306053	0.07	1
Rotary handle for door mounting - door opening possible in ON-position					
Front plate and switch handle black	S500-H2B2	2CCF014209R0001	0306060	0.07	1
Front plate yellow, switch handle red	S500-H2Y2	2CCF014210R0001	0306077	0.07	1
Pistol grip for door mounting					
Black handle	S500-H8B	2CCF014215R0001	0306084	0.14	1
Lower part of handle yellow, handle red	S500-H8Y	2CCF014216R0001	0306091	0.14	1
Name-plate					
black	S500-HP2B	2CCF014211R0001	0306169	0.01	1
yellow	S500-HP2Y	2CCF014212R0001	0306176	0.01	1

Accessory
Fitted by the customer


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	Type designation	Product number	EAN number 761227	Weight [kg]	Pack. unit
Locking device					
Locking device	S500-SA	2CCF008696R0001	0305889	0.02	10


2CCC425005F0001

Spindle for rotary handle					
length 85 mm / Ø 6 mm	S500-S51	2CCF014213R0001	0306114	0.02	1
length 180 mm / Ø 6 mm	S500-S52	2CCF014214R0001	0306121	0.03	1


2CCC425006F0001

Spindle for pistol grip					
length 265 mm / Ø 6 mm	S500-S56	2CCF014217R0001	0306138	0.05	1


S500-AK20
2CCC425017F0001

Busbar terminal for vertical pole conductor					
Busbar terminal	S500-AK50	2CCF014288R0001	0403652	0.04	10
for single-phase busbar system					
Busbar terminal	S500-AK20	2CCF011865R0001	0403560	0.01	10


2CCC425018F0001
2CCC425019F0001

Busbar terminal for three-phase busbar system					
L1	S500-L1	2CCF011866R0001	0403577	0.03	10
L2	S500-L2	2CCF011867R0001	0403584	0.03	10
L3	S500-L3	2CCF011868R0001	0403591	0.03	10
N	S500-N	2CCF011869R0001	0403607	0.03	10
NA	S500-NA	2CCF014308R0001	0403669	0.02	10


2CCC425012F0001

Insulated terminal for rear connection of main contacts					
Terminal, insulated	S500-K1	2CCF008695R0001	0403515	0.01	10

2CCC425020F0001

	Type designation	Product number	EAN number 761227	Weight [kg]	Pack. unit
Busbar					
8 x 2-pole breakers, length 390 mm	S500-BB28	2CCF016207R0001	0503681	1.59	1
8 x 3-pole breakers, length 590 mm	S500-BB38	2CCF016209R0001	0503704	2.91	1
13 x 3-pole breakers, length 965 mm (maximal)	S500-BB313	2CCF016858R0001	0510443	0.01	1
4 x 4-pole breakers, length 390 mm	S500-BB44	2CCF016676R0001	0510436	2.26	1

2CCC425010F0001

End cap					
End cap	S500-EK	2CCF016681R0001	0400484	0.02	10

2CCC425013F0001

Line terminal, insulated					
Line terminal 70 mm^2	S500-K2	2CCF016210R0001	0503711	0.03	1
Line terminal 95 mm^2	S500-K3	2CCF016677R0001	0510467	0.07	1

S500-ME1

2CCC425011F0001

Flush-mounting					
Insertion width 38 mm	S500-ME1	2CCF008692R0001	0305902	0.08	1
Insertion width 68 mm	S500-ME2	2CCF008693R0001	0305919	0.10	1
Insertion width 184 mm	S500-ME3	2CCF008694R0001	0305926	0.14	1

2CCC425004F0001

Terminal cover					
Terminal cover	S500-A1	2CCF013615R0001	0403638	0.00	10

2CCC425021F0001

2CCC425022F0001

Intermediate piece					
Intermediate piece 12.5 mm	S500-F1	2CCF014309R0001	0403676	0.02	10
Intermediate piece 6 mm	S500-F2	2CCF016211R0001	0403683	0.01	10

Accessory
Factory fitted

	Type designation	Weight [kg]	Pack. unit
Switched neutral NA	...- NA	0.21	10
Separating neutral N	...- N	0.07	10
Undervoltage release UA	... + UA 12VAC	0.16	1
	... + UA 24VAC	0.16	1
	... + UA 36VAC	0.16	1
	... + UA 48VAC	0.16	1
	... + UA 110VAC	0.16	1
	... + UA 230VAC	0.16	1
	... + UA 400VAC	0.16	1
	... + UA 500VAC	0.16	1
	... + UA 12VDC	0.16	1
	... + UA 24VDC	0.16	1
	... + UA 36VDC	0.16	1
	... + UA 48VDC	0.16	1
	... + UA 110VDC	0.16	1
	... + UA 230VDC	0.16	1
	... + UA 400VDC	0.16	1
	... + UA 500VDC	0.16	1
Shunt release AL	... + AL 12V	0.17	1
(for AC- and DC-applications)	... + AL 24V	0.17	1
	... + AL 36V	0.17	1
	... + AL 48V	0.17	1
	... + AL 110V	0.17	1
	... + AL 125V	0.17	1
	... + AL 230V	0.17	1
	... + AL 400V	0.17	1
RCD release signal contact T10 (1 NC)	T10	0.25	1

Table of content S500

High Performance MCB S500

Characteristics of the adjustable and fixed breakers

Characteristics

K

2CCC412002F0001

UC-K

2CCC412001F0001

HV-K

2CCC412003F0001

Tripping characteristic K
Thermal tripping
1.05 ... 1.20 x I_n
Electromagnetic tripping
< 0,21 8 ... 10 x I_n AC
< 0,42 10 ... 12 x I_n AC
> 0,38 12 ... 14 x I_n AC
Calibration temperature 40 °C

As miniature circuit breaker for the protection of single-phase and three-phase motors. For use in fuse-less motor control centers (MCC). As circuit breaker with adjustable rated residual operating current, e. g. for transformers.

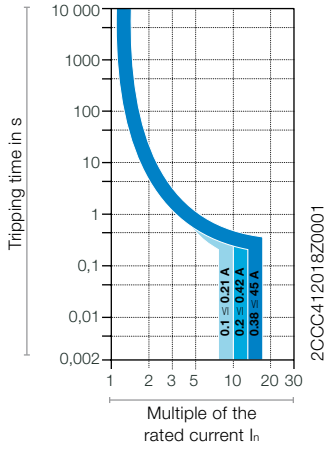
Tripping characteristic UC-K
Thermal tripping
1.05 ... 1.20 x I_n (DC)
Electromagnetic tripping
< 0,21 8 ... 10 x I_n DC
< 0,42 10 ... 12 x I_n DC
> 0,38 12 ... 14 x I_n DC
Calibration temperature 40 °C

As miniature circuit breaker for circuits and consumers in DC networks and DC driven vehicles.
With adjustable rated residual operating current.

Tripping characteristic HV-K
Thermal tripping
1.05 ... 1.20 x I_n
Electromagnetic tripping
12 ... 14 x I_n AC
Calibration temperature 40 °C

As miniature circuit breaker for applications with a rated insulation voltage up to 1000 VAC and/or high ambient temperatures (light systems, mining, tunnelling)

Tripping characteristics



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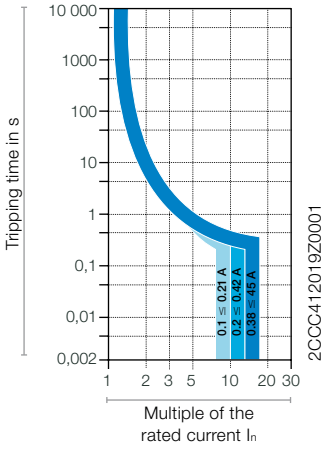

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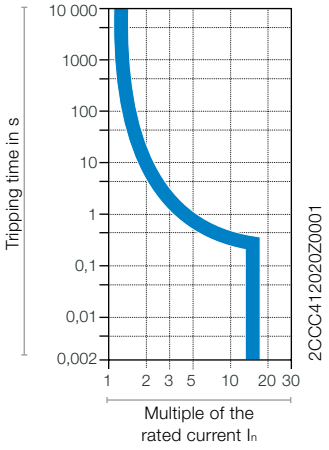

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Tripping behaviour compliant to IEC 60947-2

		Thermal tripping		Electromagnetic tripping		
Characteristic	Currents	Small test current	Large test current	Currents	Small test current	Large test current
K	0,1 ... 45	1,05 x I_n	1,20 x I_n	< 0,21	8 x I_n	10 x I_n
				< 0,42	10 x I_n	12 x I_n
				> 0,38	12 x I_n	14 x I_n
UC-K	0,1 ... 45	1,05 x I_n	1,20 x I_n	< 0,21	8 x I_n (DC)	10 x I_n (DC)
				< 0,42	10 x I_n (DC)	12 x I_n (DC)
				> 0,38	12 x I_n (DC)	14 x I_n (DC)
HV-K	1 ... 45	1,05 x I_n	1,20 x I_n	–	12 x I_n	14 x I_n

High Performance MCB S500
Characteristics of the F500-K

Characteristics

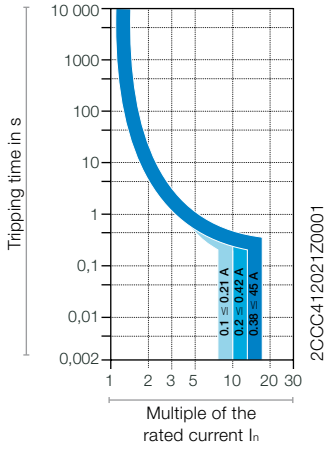
K

Tripping characteristic K

Thermal tripping
1.05 ... 1.20 x In
Electromagnetic tripping
< 0,21 8 ... 10 x I_n AC
< 0,42 10 ... 12 x I_n AC
> 0,38 12 ... 14 x I_n AC
Calibration temperature 40 °C

Combination circuit breaker with motor protection characteristic and integral residual current protection with I_n = 10, 30 and 300 mA or the short-time delay version I_n = 30 mA G.
The high performance miniature circuit breaker F500 protects against the effects of:
– Overload and short-circuits
– Dangerous residual currents
– Direct contact with an active conductor

Tripping characteristics



Tripping behaviour compliant to IEC 60947-2

		Thermal tripping		Electromagnetic tripping		
Characteristic	Currents	Small test current	Large test current	Currents	Small test current	Large test current
K	0,1 ... 45	1,05 x I_n	1,20 x I_n	< 0,21	8 x I_n	10 x I_n
				< 0,42	10 x I_n	12 x I_n
				> 0,38	12 x I_n	14 x I_n

High Performance MCB S500
Characteristics of the X-breaker

Characteristics

X-AG1499

2CCC412005F0001

X-AG0084

2CCC412012F0001

Tripping characteristic X-AG1499
Thermal tripping
1.05 … 1.26 x I_n
Electromagnetic tripping
16 … 24 x I_n AC
Calibration temperature 40 °C

As miniature circuit breaker for high current peaks, e. g. by transformers or condenser batteries.
With adjustable rated residual operating current.

Tripping characteristic X-AG0084
Electromagnetic tripping
12.5 … 15 x I_n AC

As circuit breaker developed for high short circuit currents, e. g. by substation distributors or fuseless motor-control-centres (MCC). The breaker dispose of electromagnetic release and thus insensible against temperature fluctuation.

Tripping behaviour compliant to IEC 60947-2

		Thermal tripping		Electromagnetic tripping		
Characteristic	Currents	Small test current	Large test current	Currents	Small test current	Large test current
X-AG1499	0,1 … 45	1,05 x I_n	1,26 x I_n	0,1 … 45	16 x I_n	24 x I_n
X-AG0084	0,8 … 63	–	–	–	12,5 x I_n	15 x I_n

Properties
Special features of S500

The high performance MCB S500 – long established

It adds adjustability (among other things) to the S800 range: The S500-K and S500UC-K devices provide the option of infinitely adjusting the rated tripping current. This has the benefit of a very precise tripping operation.
The fixed-setting S500HV-K provides the best solution for applications up to 1000 V AC.
For special applications, there is the S500X, which can be configured completely in accordance with the customer's requirements.
The S500X-AG0084 has a fixed setting and is predominantly used for motor protection with separate overload protection.
The S500X-AG1499 can be adjusted; due to its delayed tripping, it is mainly used to protect transformers.

2CCC412002F0001

S500-K: Motor protection

The S500-K may be used up to a current rating of 11 A for direct operational switching of motors.
The motor starting time should not be longer than 2,5 seconds to avoid nuisance tripping when motor starting is repeated in quick succession.

Convincing:	Approved according to UL1077
Safe:	Optimum coordination with A-contactors
Loads:	Adjustable range from 0,1 to 45 A
Checked:	Up to 100 kA rated ultimate short-circuit breaking capacity I_{cu}
Selectable:	Available as 1- to 4-pole breakers
Compact:	Minimal dimension
Flexible:	Wide range of accessories

Coordination table for S500-K motor starter to IEC 60947-4-1, type 2, for 415 VAC, 50 kA

Motor		High performance MCB			Contactor		Cable	Starter group
Rated output	Rated current	Type	Range of adjustment	Magnetic release	Type	Safety clearance	Cross section	
P_e[kW]	I_n [A]		I_n [A]	(±10%) I_m [A]		[mm]	mm^2	I_{max} [A]
0.12	0.44	S503-K0,58	0.38–0.58	7	A9-30-10	20	1.5	0.58
0.18	0.72	S503-K0,8	0.53–0.8	10	A9-30-10	20	1.5	0.8
0.25	0.83	S503-K1,1	0.73–1.1	13	A9-30-10	20	1.5	1.1
0.37	1.12	S503-K1,5	1–1.5	18	A9-30-10	20	1.5	1.5
0.5	1.45	S503-K2,1	1.4–2.1	25	A9-30-10	20	1.5	2.1
0.75	1.9	S503-K2,1	1.4–2.1	25	A9-30-10	20	1.5	2.1
1.1	2.59	S503-K3	2–3	36	A12-30-10	20	1.5	3
1.5	3.45	S503-K4,2	2.8–4.2	50	A12-30-10	20	1.5	4.2
1.85	4.4	S503-K5,8	3.8–5.8	69	A16-30-10	20	1.5	5.8
2.2	4.8	S503-K5,8	3.8–5.8	69	A16-30-10	20	1.5	5.8
3	6.48	S503-K8	5.3–8	96	A16-30-10	20	1.5	8
4	8.6	S503-K11	7.3–11	132	A26-30-10	35	1.5	11
5.5	11.1	S503-K15	10–15	180	A26-30-10	35	1.5	15
7.5	14.8	S503-K20	14–20	240	A26-30-10	35	1.5	20
11	21.5	S503-K26	18–26	312	A26-30-10	35	2.5	26
15	28.5	S503-K32	28–32	384	A30-30-10	35	6	32
18.5	35	S503-K37	29–37	444	A40-30-10	35	6	37
22	41	S503-K45	38–45	540	A50-30-00	35	10	45

Properties
Special features of S500

2CCC412001F0001

S500UC-K: DC circuit protection

The S500UC-K is intended for DC applications.
Voltages up to 250 VDC per pole can be switched with time constants ≤ 15ms.
Higher voltages up to 750 VDC +20% are switched by series connection (polarity-independent).

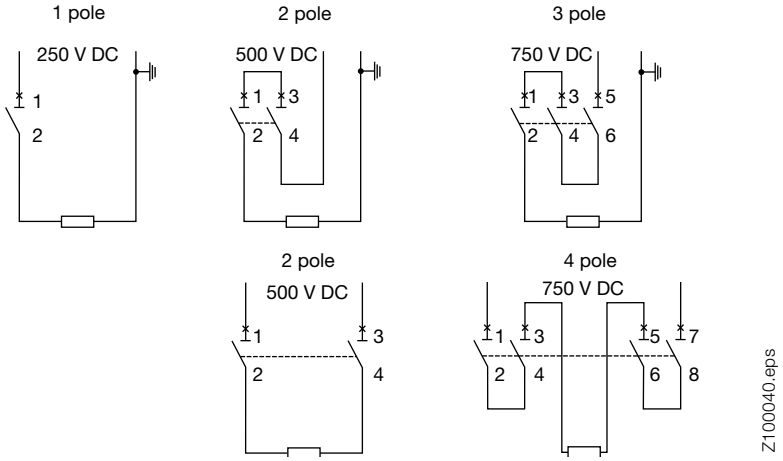
Convincing:	Approved according to UL1077
Safe:	Independent polarity connection
Loads:	Range of adjustment from 0,1 to 45 A
Checked:	Up to 30 kA rated ultimate short-circuit breaking capacity I_{cu}
Selectable:	Available as 1- to 4-pole breaker
Compact:	Smallest sizes
Flexible:	Wide range of accessories

S500UC-K: Up to 250 VDC each pole

The S500UC-K is only for DC applications.

Earthed network

Unearthed network



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S500HV-K: For applications up to 1000 VAC

The S500HV has a fixed rated current. It is used as high performance MCB for applications up to 1000 VAC – from the mining industry excess the power distribution up to tunnelling. Between two S500HV-K (1, 2 or 3 poles) or a S500HV-K and a conductive part, the 12,5 mm separating barrier S500-F1 must be installed. The separating barrier must be ordered separately.

Convincing:	Can be used up to 1000 VAC
Safe:	Reliable for high ambient temperatures
Loads:	Available from 1 to 45 A
Checked:	Up to 1,5 kA rated ultimate short-circuit breaking capacity I_{cu}
Selectable:	Available as 1- to 3-pole breaker
Compact:	Smallest sizes
Flexible:	Wide range of accessories

S500X: Customized circuit breaker

The S500X is a customized breaker and suitable for special applications.
Following adjustments can be conducted:

- Special ambient temperature
- Special trip characteristics trough adaptation of thermal and/or electromagnetic release
- Calibration of intermediate values

The marking of S500X varies in the identification number, characterized by 2 letters and 4 digits.

Convincing:	Customized breaker
Safe:	Available with fixed or adjustable rated current
Loads:	Available with max. 63 A
Checked:	Up to 100 kA rated ultimate short-circuit breaking capacity I_{cu}
Compact:	Smallest sizes
Flexible:	Wide range of accessories

Fixed version	Adjustable version
Rated current [A]	Range of adjustment [A]
6	0.1–0.15
10	0.14–0.21
13	0.2–0.3
16	0.28–0.42
20	0.53–0.8
25	0.73–1.1
32	1–1.5
40	1.4–2.1
50	2–3
63	2.8–4.2
	3.8–5.8
	5.3–8
	7.3–11
	10–15
	14–20
	18–26
	23–32
	29–37
	34–41
	38–45

2CCC412005F0001

S500X-AG1499: Protection of tranformers

The S500X-AG1499 is prevailing used to protect transformers. The late magnetic release and the high rated ultimate short-circuit breaking capacity of up to 100 kA makes this breaker unique.

Convincing:	Can be used up to 690 VAC
Safe:	Magnetic release is between 16 to 21 x I_n
Loads:	Available from 1,6 to 63 A
Checked:	Up to 100 kA rated ultimate short-circuit breaking capacity I_{cu}
Compact:	Smallest sizes
Flexible:	Wide range of accessories

Properties
Special features of S500

2CCC412012F0001

S503X-AG0084: Motor protection up to 50 kA

The S503X-AG0084 is suitable for high short-circuit currents with an rated ultimate short-circuit breaking capacity up to 50 kA.

Convincing:	Can be used up to 690 VAC
Safe:	Possesses only an electromagnetic release
Loads:	Available from 0.8 to 63 A
Checked:	Up to 50 kA rated ultimate short-circuit breaking capacity I_{cu}
Compact:	Smallest sizes
Flexible:	Wide range of accessories

Coordination table S503X-AG0084 to IEC 60947-4-1, type 2, for 400 VAC, 65 kA with A-conductor and thermal overload relay

Motor		High performance MCB			Contactor		Thermal overload relay		Cable	Starter
Rated output P_e[kW]	Rated current I_n [A]	Type	Rated current I_n [A]	Magnetic release (±10%) I_m [A]	Type	Safety clearance [mm]	Type	Range of adjustment [A]	Cross section [mm²]	group I_{max} [A]
0.12	0.44	S503X-AG0084	1.6	22	A9-30-10	20	TA25 DU 0.63	0.4–0.63	1.5	0.63
0.18	0.60	S503X-AG0084	1.6	22	A9-30-10	20	TA25 DU 1.00	0.63–1	1.5	1
0.25	0.85	S503X-AG0084	1.6	22	A9-30-10	20	TA25 DU 1.00	0.63–1	1.5	1
0.37	1.10	S503X-AG0084	1.6	22	A9-30-10	20	TA25 DU 1.4	1–1.4	1.5	1.4
0.55	1.15	S503X-AG0084	2.5	34	A9-30-10	20	TA25 DU 1.8	1.3–1.8	1.5	1.8
0.75	1.9	S503X-AG0084	2.5	34	A9-30-10	20	TA25 DU 2.4	1.7–2.4	1.5	2.4
1.1	2.70	S503X-AG0084	4.0	55	A9-30-10	20	TA25 DU 3.1	2.2–3.1	1.5	3.1
1.5	3.60	S503X-AG0084	6.0	83	A9-30-10	20	TA25 DU 4	2.8–4	1.5	4
2.2	4.90	S503X-AG0084	6.0	83	A12-30-10	20	TA25 DU 6.5	4.5–6.5	1.5	6.5
3	6.50	S503X-AG0084	9.0	124	A12-30-10	20	TA25 DU 8.5	6–8.5	1.5	8.5
4	8.50	S503X-AG0084	20.0	275	A16-30-10	35	TA25 DU 11	7.5–11	1.5	11
5.5	11.50	S503X-AG0084	20.0	275	A16-30-10	35	TA25 DU 14	10–14	1.5	14
7.5	15.50	S503X-AG0084	20.0	275	A26-30-11	35	TA25 DU 19	13–19	1.5	19
11	22	S503X-AG0084	32.0	440	A20-30-10	35	TA25 DU 25	18–25	2.5	25
11	22	S503X-AG0084	32.0	440	A26-30-10	35	TA25 DU 25	18–25	4	25
15	29	S503X-AG0084	32.0	440	A30-30-10	35	TA25 DU 32	24–32	6	32
18.5	35	S503X-AG0084	52.0	715	A40-30-10	35	TA25 DU 42	29–42	6	42
22	41	S503X-AG0084	63.0	865	A50-30-00	35	TA25 DU 52	36–52	10	52

Maximum cable lengths for protection against indirect contact (earth leakage current) to IEC 364-4-41

High performance MCB			Maximum permissible cable lengths and cross-sections				
Type	Rated current I_n [A]	Magnetic release (± 10%) I_m [A]	1.50 mm² L [m]	2.50 mm² L [m]	4.00 mm² L [m]	6.00 mm² L [m]	10.00 mm² L [m]
S503X-AG0084	1.6	22	815	1360	–	–	–
S503X-AG0084	2.5	34	525	880	–	–	–
S503X-AG0084	4	55	325	540	870	–	–
S503X-AG0084	6	83	215	360	575	865	–
S503X-AG0084	9	124	145	240	385	580	965
S503X-AG0084	20	275	65	110	175	260	435
S503X-AG0084	32	440	–	70	110	160	270
S503X-AG0084	52	715	–	–	–	100	170
S503X-AG0084	63	865	–	–	–	80	140

Properties
Special features of F500

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F500-K: RCD with motor protection

The F500-K is an overcurrent breaker with motor protection characteristic. The residual current protection release is effective with sinusoidal alternating and pulsating DC fault current (Type A, according to IEC 60947-2, Annex B).
The high performance breaker F500-K ensures special protection in high power networks against:

- Dangerous residual currents at excessive contact voltage by physical contact
- Overheating of electrical operating equipment (motors) by overcurrent
- Overload and short-circuit

Convincing:	High rated operating voltage up to 690 VAC
Safe:	No thermal release required on contactor
Loads:	Switching of all poles in event of a fault
Flexible:	Short-time delayed RCD protection switch 30 mA G-types for special applications, such as frequency converter, soft-start, etc.

F500-C, -D: RCD with overload protection

The F500 high performance breaker is suitable for all circuit protection applications and is also fitted with residual current protection.
The residual current protection release is effective with sinusoidal alternating and pulsating DC fault current (Type A, according to IEC 60947-2, Annex B).
The F500-C and -D provide special protection in high capacity networks against:

- Direct contact with live parts
- Dangerous fault currents due to excessive physical contact voltage (protection against indirect contact with the operating circuit)
- Electric fires caused by high resistance earth fault
- Overload and short-circuit

Convincing:	High rated operating voltage up to 400/690 VAC
Safe:	High rated breaking capacities, 50 kA at 230/400 VAC
Loads:	Clear contact position indication for all poles
Checked:	Back-up protection for downstream circuit breakers (MCBs)
Flexible:	Available with various rated tripping currents

F500-K...0.03 G: Short-time delayed RCD with overload protection

The F500-K...0.03 G short-time delayed residual current circuit breaker, specially suitable for unfavourable operating and network conditions. Without affecting the personal protection function, the electronic delay suppresses faulty tripping, which can occur as a result of capacitive discharge currents.
Capacitive discharge currents accompanied by high current peaks can be caused by:

- Long line capacitances
- Large number of fluorescent lamps (particularly when using electronic ballast units)
- Electronic equipment and components (PC terminals, PLCs, voltage converters, etc.)
- Transient network overvoltages

Convincing:	High rated operating voltage up to 400/690 VAC
Safe:	High rated breaking capacity, 100 kA at 230/400 VAC
Loads:	Clear contact position indication for all poles
Checked:	RCD pulsating DC sensitivity (Type A, according to IEC 60947-2, Annex B)
Flexible:	Available with various rated tripping current

Properties
Special features of F500

F500S...0.3 S: Selective RCD with overload protection

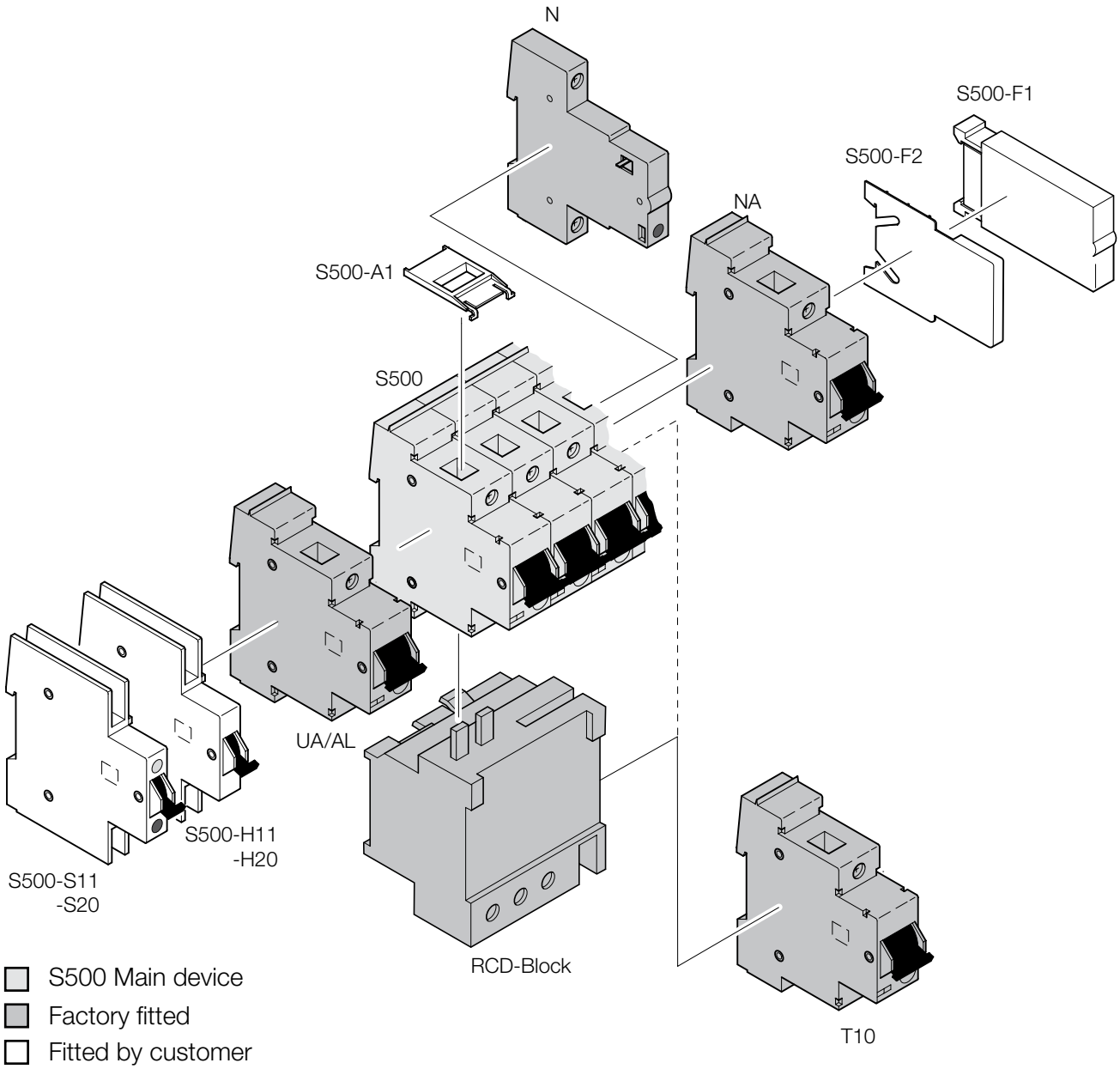
The delayed RCD circuit breaker also bears the the symbol S in addition to its type designation. The F500S...0.3 S selective residual current circuit breakers ensure selectivity with respect to following sensitive RCD circuit breakers. F500S...0.3S selective residual current circuit breakers are only used for material protection.
Subsequent short-time delayed G-types also behave selectively if connected after a F500S...0.3 S.
Capacitive discharge currents accompanied by high current peaks can be caused by:

- Long line capacitances
- Large number of fluorescent lamps (particularly when using electronic ballast units)
- Electronic equipment and components (PC terminals, PLCs, voltage converters, etc.)
- Transient network overvoltages

Convincing:	High rated operating voltage up to 400/690 VAC
Safe:	High rated breaking capacity, 50 kA at 230/400 VAC
Loads:	Clear contact position indication for all poles
Checked:	RCD pulsating DC sensitivity (Type A, according to IEC 60947-2, Annex B)
Flexible:	Available with various rated tripping current

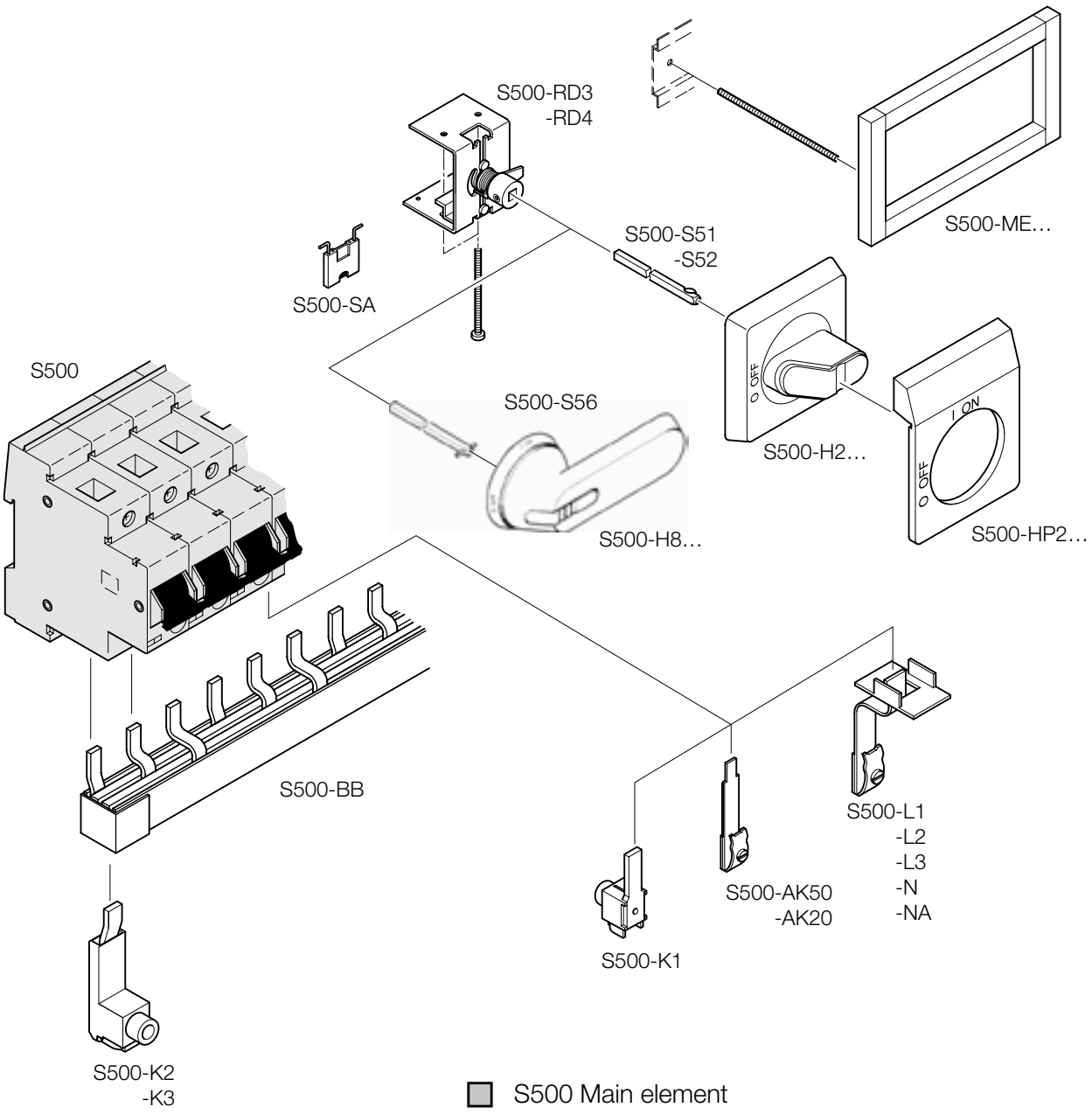
Overview accessory

Accessory for breakers



Overview accessory

Common accessory



Properties
Accessories

S500-H11 S500-H20

S500-H11, -H20
Auxiliary contact
The auxiliary contact is for electrical display of the operating state of the high performance MCB S500. Both changeover contacts always switch simultaneously with the live conductor contact and detect the following operating states:
– Manual tripping
– Tripping due to thermal overload
– Tripping due to magnetic overload (short-circuit)

Mounting ability of the auxiliary contact S500-H11, -H20
The auxiliary contacts can be mounted at the left on the high performance MCB S500. Max. 2 auxiliary contacts can be fitted per high performance MCB S500.

S500-S11 S500-S20

S500-S11, -S20
Signal contact
The signal contact is used for electrical signaling of the operating state of the high performance MCB S500. Both contacts always switch simultaneously with the live conductor contact and detect the following forms of tripping:
– Tripping due to thermal overload
– Tripping due to magnetic overload (short-circuit)
– Residual current tripping
– Tripping by residual current release

Mounting ability of the signal contacts S500-S11, -S20
The signal contacts can be mounted at the left on the high performance MCB S500. Max. 1 signal contacts can be fitted per high performance MCB S500. When using auxiliary and signal contacts the auxiliary contact must first be snapped directly onto the circuit breaker S500.

On each circuit breaker can be fitted:
1 Auxiliary contact
or 1 Signal contact
or 2 Auxiliary contacts
or 1 Auxiliary- and 1 signal contact

...NA
Switched neutral conductor
The switched neutral conductor switches simultaneously with the high performance MCB S500.

Mounting ability of the switched neutral conductor ...NA
The neutral conductor is be mounted by the factory at the right on the high performance MCB S500.

Properties
Accessories

...N
Separating neutral conductor

The S500 high performance MCB is force-opened before actuating the separating neutral conductor.

Mounting ability of the separating neutral conductor ...N

The separating neutral conductor is be mounted by the factory at the right on the high performance MCB S500.

...+UA
Undervoltage release

The ...+UA undervoltage release can be used as an emergency-stop cut-as by use of suitable emergency stop buttons. The undervoltage release switches the power supply to the high performance MCB off in case of a failure or if the value falls below 0.7x U_n. After tripping, the high performance MCB can be switched back on as soon as the voltage is over 0.85 x U_n.

Mounting ability of the undervoltage release ...+UA

The undervoltage release is be mounted by the factory at the left side of the high performance MCB S500.

...+AL
Shunt release

The ...+AL shunt opening release is for remote release of the S500 high performance MCB using an electrical impulse (no persistent command). Operation of the trigger is guaranteed at a voltage between 70% and 110% of the rated mains voltage U_n both for AC and DC.

Mounting ability of the shunt release ...+AL

The shunt release is be mounted by the factory at the left side of the high performance MCB S500.

T10
RCD release signal contact

The T10 opens when FI trips, and is used for displaying residual current tripping operations. Pressing test button T trips the F500. Signalling can be tested using the FI signal contact T10. When operated manually (ON/OFF), the FI signal contact does not display any tripping operation. If using an auxiliary and signal contact, the following tripping operations may be displayed:

- Tripping due to pressing test button T
- Tripping due to thermal overload
- Tripping due to a magnetic overload (short circuit)
- Tripping due to undervoltage releases or operating current releases
- Tripping due to residual current tripping operations

With the FI signal contact T10, the user has a further option at their disposal for detecting and differentiating between fault causes.

Application with FI signal contact T10
Signalling specific FI tripping operations in:

- Hospitals
- Industrial plants
- Laboratories
- Telecommunications
- Systems with a great demand for high current availability

Mounting ability of the RCD release signal contact T10

The RCD release signal contact is be mounted by the factory at the right side of the pole of the residual current circuit breaker F500.

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S500-SA
Locking device

The locking device safely prevents unintentional switching on and off of the S500. Simply insert the lug of the locking device through the borehole on the high performance MCB S500 and lock with a padlock with lug diameter of max 4mm (not included in delivery). Even when the high performance MCB S500 is secured with an locking device against unintentional switching off, tripping remains possible in case of overload or short-circuit by the undervoltage- and shunt release.

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S500-RD3
Rotary drive

The rotary drive for 1-3 pole or 4-6 pole devices can be delivered for assembly on the switching field door. To the rotary drive are various rotary handles and a pistol grip available. The rotary handles avoid the switching-on of the high performance MCB S500. They could be locked in OFF position and the door lock takes place in ON position except of S500-H2B2 and S500-H2Y2 they permit the opening of the cabinet door.

- Spindle for rotary drive
  (85 mm) S500-S51
  (180 mm) S500-S52
- Spindle for pistol grip
  (265 mm) S500-S56
- Pistol grip S500-H8B, -H8Y
- Rotary drive S500-H2B2, -H2Y2, H2B1, -H2Y1
- Name plate S500-HP2B, -HP2Y

Properties
Accessories

S500-AK20

2CCC425017F0001

S500 Busbar terminal

Busbar terminals are used for powering live conductors arranged vertically or horizontally. Individual devices can be replaced at a later stage without tripping the busbars.
Max. connection cross-section are:
– Round conductor 50 mm² oder 16 mm²
– Square 36 mm² oder 20 mm²
– Flat copper 6 x 20 mm oder 5 x 10 mm

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S500-K1
Terminal, insulated

The insulated terminal is for rear connection of the main contacts. The connection cross-section is max. 25 mm² for copper cable or strand.

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2CCC425010F0001

2CCC425013F0001

S500 Busbar system

The S500 busbar system is comprised of:
– Busbar
– End cape
– Line terminal, insulated

The comb-shaped busbar is used for powering horizontally arranged live conductors.
In addition to the comb-shaped busbar, the system incorporates the insulating cover and end caps.
The max. rated operational voltage U_e is 400/690 V a.c.
Conductor cross-section is 35 mm². The power can be supplied from centre or from the side – for supply from centre, 250 A is the maximum. For supply from the side, 125 A is the maximum.
The S500-BB44 comb-shaped busbar is for 4 x 4-pin switches with separate neutral conductor bar, and can be used for 3-pin switches with auxiliary and/or signal contact.
The S500-EK end cap is used as contact protection after cutting the busbars to length.
The line terminal is intended either for 2 and 3-pin S500-K2 or 4-pin S500-K3 comb-shaped busbars.

S500-ME1

2CCC425011F0001

Flush-mounting

The flush-mounting is for fitting in front panel or door.

S500-ME1	insertion width 38 mm
S500-ME2	insertion width 88 mm
S500-ME3	insertion width 184 mm

2CCC425004F0001

S500-A1
Terminal cover

The terminal cover is for insulation the connecting terminal according to IP40.

S500-F2

2CCC425022F0001

Intermediate piece

The intermediate piece is for compensating the unit widths of 18 mm.

S500-F1	12,5 mm wide
S500-F2	6 mm wide

Rated short-circuit breaking capacity I_{cn}

Compliant to EN 60898-1

The maximum current which a switching device can switch off without damage at a rated operational voltage and rated operational frequency. It is specified as an effective value.

Rated ultimate short-circuit braking capacity I_{cu}

Compliant to EN 60947-2

Ultimate short-circuit breaking capacity that a circuit breaker can switch off without damage at a rated operational voltage and rated operational frequency. It is specified as an effective value.

Rated service short-circuit breaking capacity I_{cs}

Compliant to EN 60947-2

Service short-circuit breaking capacity that a circuit breaker can switch off without damage at a rated operational voltage and rated operational frequency. It is specified as an effective value.

Rated insulation voltage U_i

The rated insulation voltage (U_i) is the voltage to which dielectric checks and creepage distances refer.
The maximum rated operational voltage must not exceed its rated insulation voltage.

Rated impluse withstand voltage U_{imp}

Peak of a withstand voltage of a specified form and polarity with which the circuit can be loaded under specified test conditions without a breakdown and to which clearances relate. The rated impulse withstand voltage must be equal to or greater than the values of the withstand over-voltages (transient overvoltages) which occur in the System in which the device is used.

Backup protection

Assignment of two overcurrent protective devices in series, where the protective device, generally but not necessarily on the supply side, effects the overcurrent protection with or without the assistance of the other protective device and prevents excessive stress on the latter [IEC 60947-1, definition 2.5.24].

Total selectivity

Overcurrent discrimination where, in the presence of two overcurrent protective devices in series, the protective device on the load side effects the protection without causing the other protective device to operate [IEC 60947-2, definition 2.17.2].

Partial selectivity

Overcurrent discrimination where, in the presence of two overcurrent protective devices in series, the protective device on the load side effects the protection up to a given level of overcurrent, without causing the other protective device to operate [IEC 60947-2, definition 2.17.3].

Table of content S500

Technical data
S500-K

Characteristics		S500 K		
Rated continuous current I_n adjustable	[A]	0.1 … 45		
Poles		1, 2, 3+N, NA[*1,2]		
Rated operating voltage U_e	[V]	400/690		
Rated insulation voltage U_i	[V]	690		
Rated impulse withstand voltage U_{imp}	[kV]	6		
Ultimate short-circuit breaking capacity I_{cu} **compliant to 60947-2**				
		0.1 … 3 A	2.8 … 11 A	10 … 45 A
AC 230/400 V	[kA]	100	50	30
AC 250/440 V	[kA]	100	30	25
AC 3 x 500 V	[kA]	100	20	15
AC 400/690 V	[kA]	100	6	6
Service short-circuit breaking capacity I_{cs} **compliant to 60947-2**				
		0.1 … 3 A	2.8 … 11 A	10 … 45 A
AC 230/400 V	[kA]	100	30	25
AC 250/440 V	[kA]	100	22	22
AC 3 x 500 V	[kA]	100	15	11
AC 400/690 V	[kA]	100	3	3
Rated short-circuit breaking capacity I_{cc} **nach UL1077 und CSA-C22.2 No. 35**				
		≤ 25 A		> 25A … 45 A
AC 240/415 V	[kA]	30		18
AC 277/480 V	[kA]	14		14
AC 346/600 V	[kA]	6		6
Rated frequency	[Hz]	$16^2/_3$, 50/60		
Mounting position		any		
Disconnector properties compliant to IEC 60947-2		yes		
Standards		IEC 60947-2 UL 1077 CAN/CSA-C22.2 No. 35		
Connections Cu	[mm^2]	1 … 25		
Tightening torque	[Nm]	2.5		
Feed AC		any		
Permissible operating ambient temperature	[°C]	–25 … +55		
Protection category		IP20		
Mech. lifetime		> 20 000 switching cycles		
Climatic strength		DIN 50016		

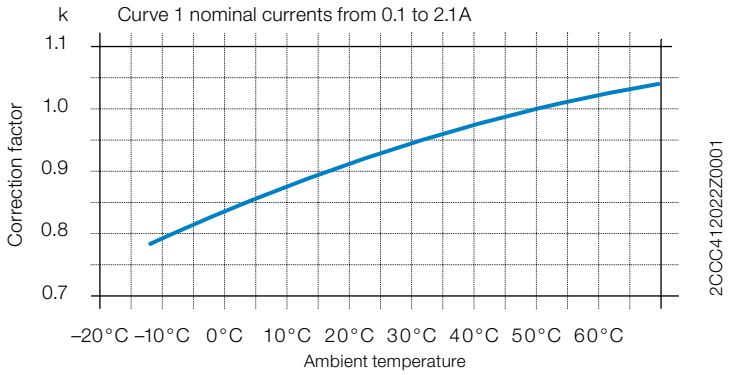
[*1] N = for separating neutral isolation
[*2] NA = switched neutral

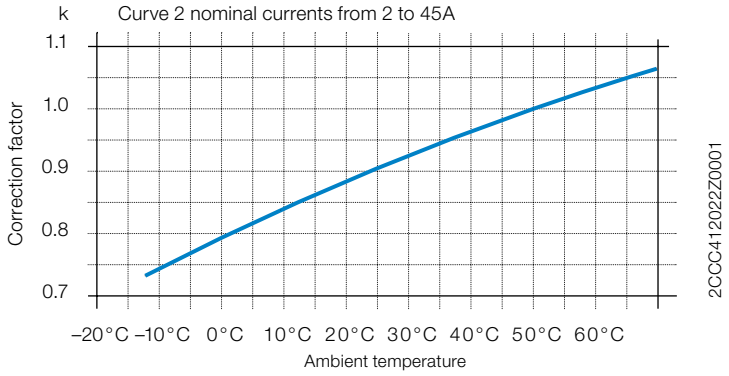
Technical data
S500-K

Adjustable versioin

	S500-K	
Rated current	**Internal resistance/Pole**	**Power loss***
I_n [A]	**R_i [Ω]**	**P_v [W]**
0.1 – 0.15	78	1.76
0.14 – 0.21	48	2.12
0.2 – 0.3	23.5	2.12
0.28 – 0.42	12.3	2.17
0.38 – 0.58	6.6	2.22
0.53 – 0.8	3.5	2.24
0.73 – 1.1	2.0	2.42
1 – 1.5	1.05	2.36
1.4 – 2.1	0.68	3.00
2 – 3	0.35	3.15
2.8 – 4.2	0.175	3.09
3.8 – 5.8	0.095	3.20
5.3 – 8	0.055	3.52
7.3 – 11	0.035	4.24
10 – 15	0.023	5.18
14 – 20	0.012	4.80
18 – 26	0.008	5.41
23 – 32	0.0055	5.63
29 – 37	0.0035	4.79
34 – 41	0.0025	4.20
38 – 45	0.0017	3.44

Internal resistance and power losses concerning the ambient temperature





Example:

Motor 2.2 kW; I_e = 5 A at 380 V a.c. for 0 °C ambient temperature

High performance circuit breaker S500-K 3.8 … 5.3 A

According to curve 2 correction factor k = 0.84

Current setting on S500-K breaker: k x I_e = 0.84 x 5 A = 4.2 A

Technical data
S500UC/S500HV

Characteristics		S500UC K
Rated continuous current I_n adjustable	[A]	0.1 … 45
Poles		1 … 4
Rated operating voltage U_e (DC/Pol)	[V]	250 3 poles in series max. 750 VDC +20%
Rated insulation voltage U_i	[V]	DC 1000
Rated impulse withstand voltage U_{imp}	[kV]	6
Ultimate short-circuit breaking capacity I_{cu} **compliant to 60497-2**		
(DC) 250 V L/R 15 ms (1-pole)	[kA]	30
(DC) 500 V L/R 15 ms (2-pole)	[kA]	30
(DC) 750 V L/R 15 ms (3-pole)	[kA]	30
(DC) 750 V L/R 15 ms (4-pole)	[kA]	30
Rated short-circuit breaking capacity **compliant to UL1077 and CSA**		
(DC) 250 V (1-pole)	[kA]	30
(DC) 500 V (2 poles in series)	[kA]	30
(DC) 600 V (3 and 4 poles in series)	[kA]	30
Mounting position		any
Disconnector properties compliant to IEC 60947-2		yes
Standards		IEC 60947-2 UL 1077 CAN/CSA-C22.2 No. 35
Connections C_u	[mm²]	1 … 25
Tightening torque	[Nm]	2.5
Feed		any
Permissible operating ambient temperature	[°C]	–25 … +55
Protection category		IP20
Mech. lifetime		> 20 000 switching cycles
Climatic strength		DIN 50016
Approvals		UL1077 File E167556

		S500HV
Characteristics		K
Rated continuous current I_n	[A]	1 … 45
Poles		1 … 3
Trip class of thermal release		Class 10 A
Rated operating voltage U_e	[V]	AC 580 / 1000
Rated insulation voltage U_i	[V]	AC 1000
Rated impulse withstand voltage U_{imp}	[kV]	6
Ultimate short-circuit breaking capacity I_{cu} / I_{cs} **compliant to 60947-2**		
(AC) 580/1000 V	[kA]	1.5
Rated frequency	[Hz]	50/60
Permissible operating ambient temperature	[°C]	–25 … +55
Climatic resistance		DIN 50016
Protection category		IP40
Plastic		halogen-free
Disconnector properties compliant to IEC 60947-3		yes
Standards		IEC 60947-2, SEMKO
Mounting position		any
Connections C_u	[mm²]	1 … 25
Tightening torque		2.5
Feed AC		any

Technical data
S500X-AG1499

		S500X-AG1499		
Rated continuous current I_n adjustable	[A]	0.1 … 45		
Poles		1 … 3		
Rated operating voltage U_e	[V]	400/690		
Rated insulation voltage U_i	[V]	690		
Rated impulse withstand voltage U_{imp}	[kV]	6		
Ultimate short-circuit breaking capacity I_{cu} **compliant to 60947-2**				
		0.1 … 3 A	2.8 … 11 A	10 … 45 A
AC 230/400 V	[kA]	100	50	30
AC 250/440 V	[kA]	100	30	25
AC 3 x 500 V	[kA]	100	20	15
AC 400/690 V	[kA]	100	6	6
Service short-circuit breaking capacity I_{cs} **compliant to 60947-2**				
		0.1 … 3 A	2.8 … 11 A	10 … 45 A
AC 230/400 V	[kA]	100	30	25
AC 250/440 V	[kA]	100	22	22
AC 3 x 500 V	[kA]	100	15	11
AC 400/690 V	[kA]	100	3	3
Rated short-circuit breaking capacity I_{cc} **compliant to UL1077 and CSA 22.2 No. 35**				
		≤ 25 A	> 25 A … 45 A	
AC 240/415 V	[kA]	30	18	
AC 277/480 V	[kA]	14	14	
AC346/600 V	[kA]	6	6	
Rated frequency	[Hz]		$16^2/_3$, 50/60	
			> 60 … 400 (on request)	
Mounting position			any	
Disconnector properties compliant to IEC 60947-3			yes	
Connections C_u	[mm^2]		1 … 25	
Tightening torque	[Nm]		2.5	
Feed AC			any	
Permissible operating ambient temperature	[°C]		–25 … +55	
Protection category			IP20	
Mech. lifetime			> 20 000 switching cycles	
Climatic strength			DIN 50016	
Standards			IEC 60947-2	
			UL 1077	
			CAN/CSA-C22.2 No. 35	
Approvals			UL 1077	
			File E167556	

Technical data
S503X-AG0084

		S503X-AG0084
Rated continuous current **I_n**	[A]	0.8 … 63
Poles		3+N[*1]
Rated operating voltage **U_e**	[V]	400/690
Rated insulation voltage **U_i**	[V]	690
Rated impulse withstand voltage **U_{imp}**	[kV]	6
Ultimate short-circuit breaking capacity **I_{cu} compliant to 60947-2**	[kA]	50
Service short-circuit breaking capacity **I_{cs} compliant to 60947-2**	[kA]	25
Rated frequency	[Hz]	$16^2/_3$, 50/60
Mounting position		any
Disconnector properties compliant to IEC 60947-2		yes
Standards		IEC 60947-2
Connections C_u	[mm^2]	1 … 25
Tightening torque	[Nm]	2.5
Feed AC		any
Permissible operating ambient temperature	[°C]	–25 … +55
Protection category		IP20
Mech. lifetime		> 20 000 switching cycles
Climatic strength		DIN 50016

[*1] N = separating neutral isolation

Technical data
F500

		F500		
Characteristics		**C, D**	**K**	
Rated continuous current I_n	[A]	10 … 63	0.2 … 45	
Rated residual operating current $I_{\Delta n}$	[A]	0.01 / 0.03 / 0.3	0.01 / 0.03 / 0.3	
with short-term delay	[A]	0.03	0.03	
selective	[A]	0.3	0.3	
Pole		2 … 4	2 … 4	
Rated operating voltage U_e 50/60 Hz				
(AC) 50/60 Hz	[V]	230, 400, 500, 690	230, 400, 500, 690	
Rated insulation voltage U_i	[V]	690	690	
Rated short-circuit breaking capacity I_{cn} **nach EN/IEC 60898-1**				
AC 230/400 V	[kA]	25	25	
Service short-circuit capacity I_{cs} **nach EN/IEC 60898-1**				
AC 230/400 V	[kA]	12.5	12.5	
Ultimate short-circuit breaking capacity I_{cu} **compliant to 60947-2**				
		10 … 63 A	0.2 … 3 A	2.8 … 11 A 10 … 45 A
AC 230/400 V	[kA]	50	100	50 30
AC 250/440 V	[kA]	30	100	30 25
AC 3 x 500 V	[kA]	15	100	20 15
AC 400/690 V	[kA]	6	100	6 6
Service short-circuit breaking capacity I_{cs} **compliant to 60947-2**				
		10 … 63 A	0.2 … 3 A	2.8 … 11 A 10 … 45 A
AC 230/400 V	[kA]	25	100	30 25
AC 250/440 V	[kA]	22	100	22 22
AC 3 x 500 V	[kA]	11	100	15 11
AC 400/690 V	[kA]	3	100	3 3
Rated frequency	[Hz]	50/60	50/60	
		$16^2/_3$ (on request)	$16^2/_3$ (on request)	
		400 (on request)	400 (on request)	
Mounting position		any	any	
Disconnector properties compliant to IEC 60947-2		yes	yes	
Standards		IEC 60947-2	IEC 60947-2	
Connections C_u	[mm^2]	1 … 25	1 … 25	
Tightening torque	[Nm]	2.5	2.5	
Feed AC		any	any	
Permissible operating ambient temperature	[°C]	–25 … +40	–25 … +40	
Protection category		IP20	IP20	
Mech. lifetime		> 10 000 switching cycles	> 10 000 switching cycles	
Climate strength		IEC 60068-2-30	IEC 60068-2-30	

Power loss/Internal resistance per pole

Fixed version/adjustable version

Fixed version

	S500X-AG0084	
Rated current	Internal resistance/Pole	Power loss
I_n [A]	R_i [mΩ]	P_v [W]
1.6	950	2.43
2.5	500	3.13
4	195	3.12
6	90	3.24
9	45	3.65
20	12	4.8
32	5.5	5.63
52	1.7	4.6
63	1.7	6.75

Adjustable version

	S500-K		S500UC-K		S500X-AG1499		F500-K	
Rated current	Internal resistance/pole	Power loss	Internal resistance/pole	Power loss	Internal resistance/pole	Power loss	Internal resistance/pole	Power loss
I_n [A]	R_i [Ω]	P_v [W]	R_i [Ω]	P_v [W]	R_i [Ω]	P_v [W]	R_i [Ω]	P_v [W]
0.1–0.15	78	1.76	84	1.89	78	1.76		
0.14–0.21	48	2.12	51	2.25	48	2.12		
0.2–0.3	23.5	2.12	25.5	2.30	23.5	2.12		
0.28–0.42	12.3	2.17	12.8	2.26	12.3	2.17	12.4	2.19
0.38–0.58	6.6	2.22	7.0	2.35	6.6	2.22	6.7	2.25
0.53–0.8	3.5	2.24	3.6	2.30	3.5	2.24	3.6	2.30
0.73–1.1	2.0	2.42	2.04	2.47	2.0	2.42	2.1	2.54
1–1.5	1.05	2.36	1.08	2.43	1.05	2.36	1.1	2.48
1.4–2.1	0.68	3.00	0.68	3.00	0.68	3.00	0.73	3.22
2–3	0.35	3.15	0.35	3.15	0.35	3.15	0.3507	3.16
2.8–4.2	0.175	3.09	0.175	3.09	0.175	3.09	0.1757	3.10
3.8–5.8	0.095	3.20	0.095	3.20	0.095	3.20	0.0957	3.22
5.3–8	0.055	3.52	0.055	3.52	0.055	3.52	0.0557	3.56
7.3–11	0.035	4.24	0.035	4.24	0.035	4.24	0.0357	4.32
10–15	0.023	5.18	0.023	5.18	0.023	5.18	0.0237	5.33
14–20	0.012	4.80	0.012	4.80	0.012	4.80	0.0127	5.08
18–26	0.008	5.41	0.008	5.41	0.008	5.41	0.0087	5.88
23–32	0.0055	5.63	0.005	5.12	0.0055	5.63	0.0062	6.35
29–37	0.0035	4.79	0.0035	4.79	0.0035	4.79	0.0042	5.75
34–41	0.0025	4.20	0.0025	4.20	0.0025	4.20	0.0032	5.38
38–45	0.0017	3.44	0.0017	3.44	0.0017	3.44	0.0024	4.86

Technical data
Accessories

Electrical properties

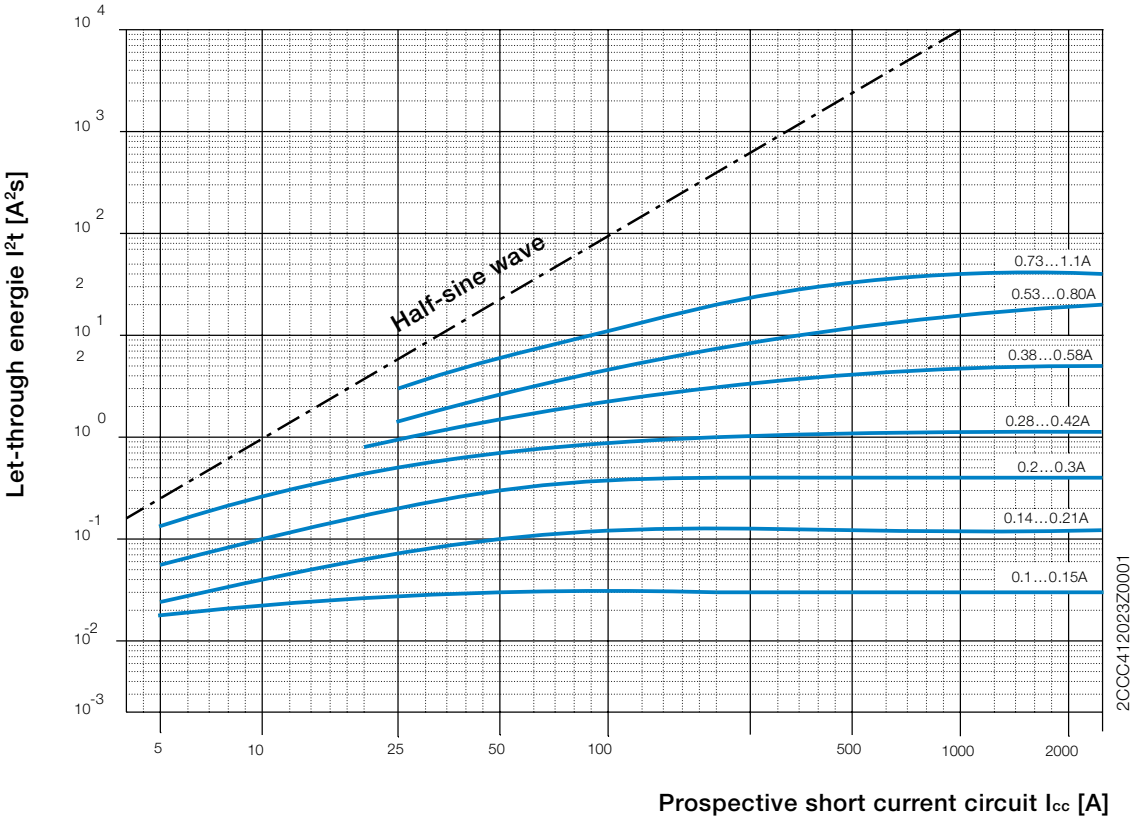
Auxiliary- and signal contact		
Utilisation categories compliant to 60947-5-1		AC15 230 V/2 A
		AC15 400 V/1 A
		DC13 250 V/0.5 A
Utilisation categories compliant to 60947-4-1		AC1 400 V/6 A
Ratings compliant to UL1077		120 VAC 3 A
		240 VAC 1.5 A
		480 VAC 6 A
		125 VDC 0.5 A
		12 VDC 10 m A
Thermal continuous current I_{th}	[A]	6
Rated operating voltage U_e	[V]	AC 690
Rated operating voltage U_e **nach UL1077**	[V]	AC 480
Connections	[mm^2]	2 x 2.5 mm^2 solid, 2 x 1.5 mm^2 flexible with core, (screw connection Pozidrive size 2)
Tightening torque	[Nm]	0.8
Approvals		SEV, cUR, UR
Standards		IEC 60947-5-1, UL1077

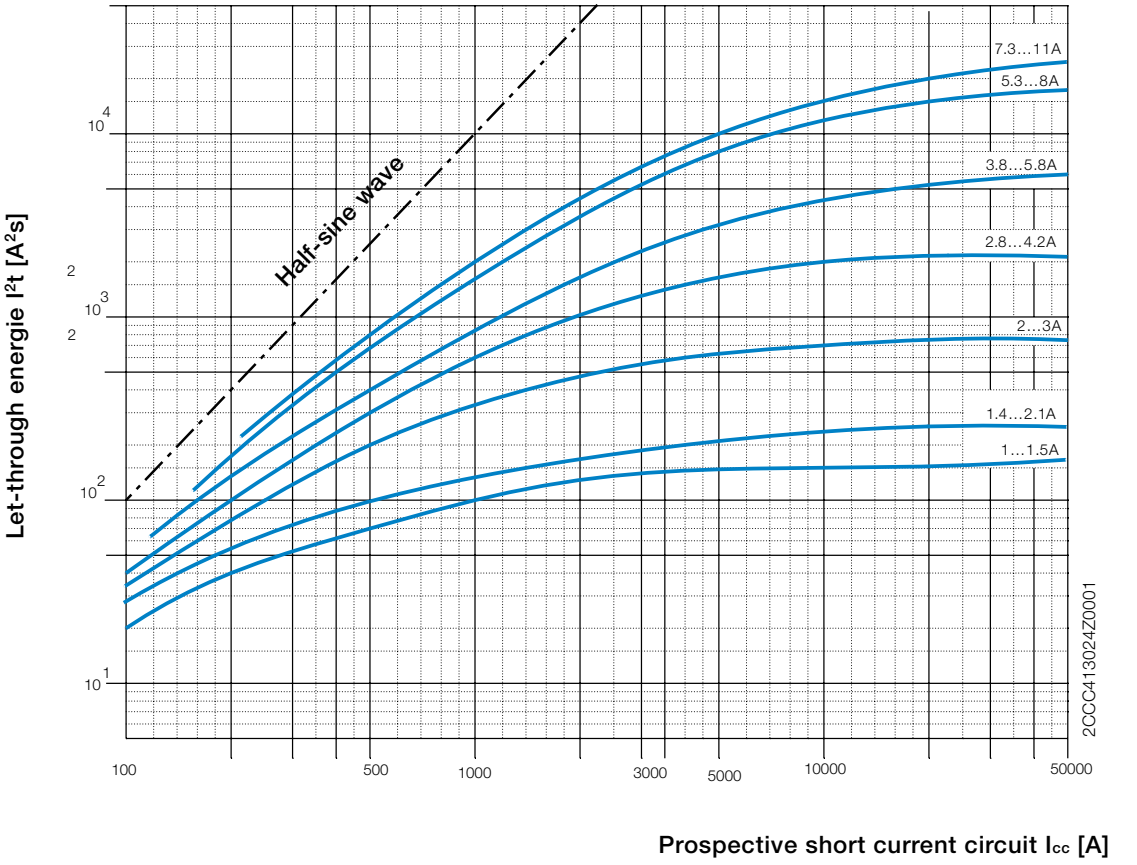
RCD release signal contact T10		
Utilisation categories compliant to 60947-5-1		AC15 230 V/2 A
		AC15 400 V/1 A
		DC13 250 V/0.5 A
		DC13 24 V/10m A
Utilisation categories compliant to 60947-4		AC1 400 V/6 A
Connections	[mm^2]	1 ... 25
Tightening torque	[Nm]	2.5
Standards		IEC 60947-5-1

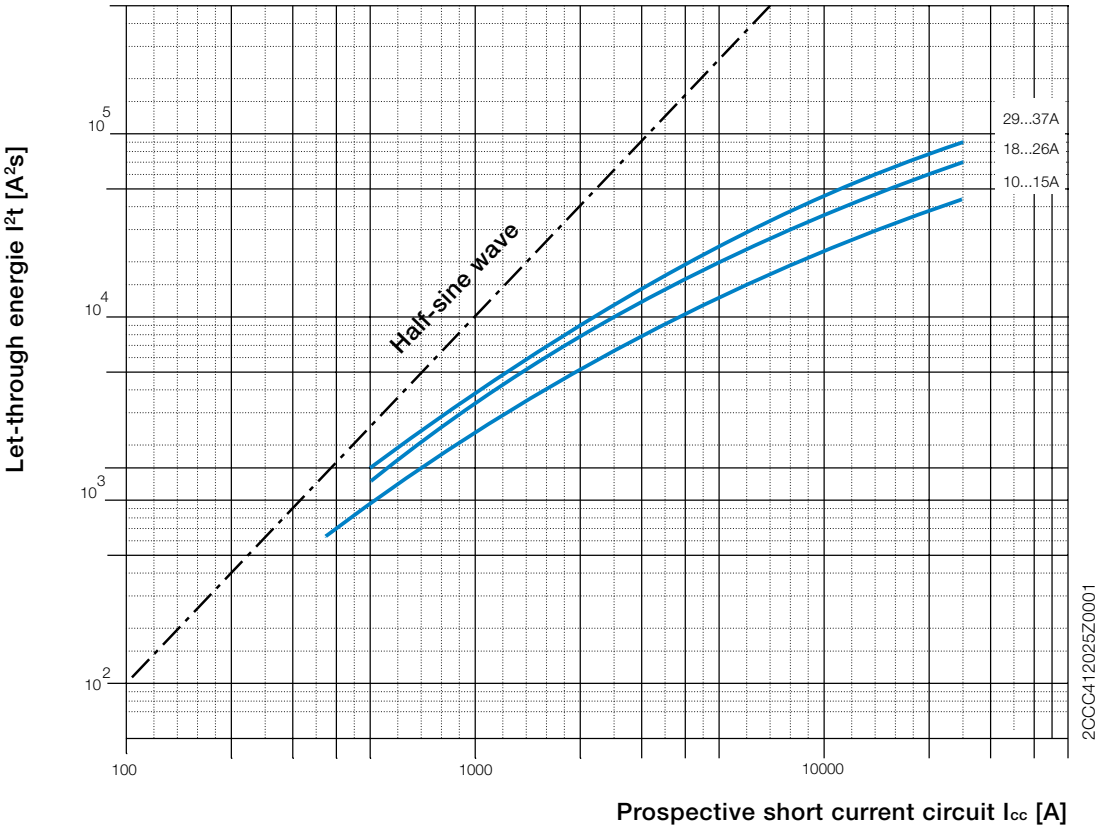
Undervoltage release UA		
Rated operating voltage U_e	[VAC/DC]	12, 24, 110, 230, 400
Operating range	[%]U_e	50 ... 110
Power loss of coil when attracted	[W/VA]	max. 130
Connections C_u	[mm^2]	1 ... 25
Tightening torque	[Nm]	2.5
Standards		IEC 60947-1 UL1077

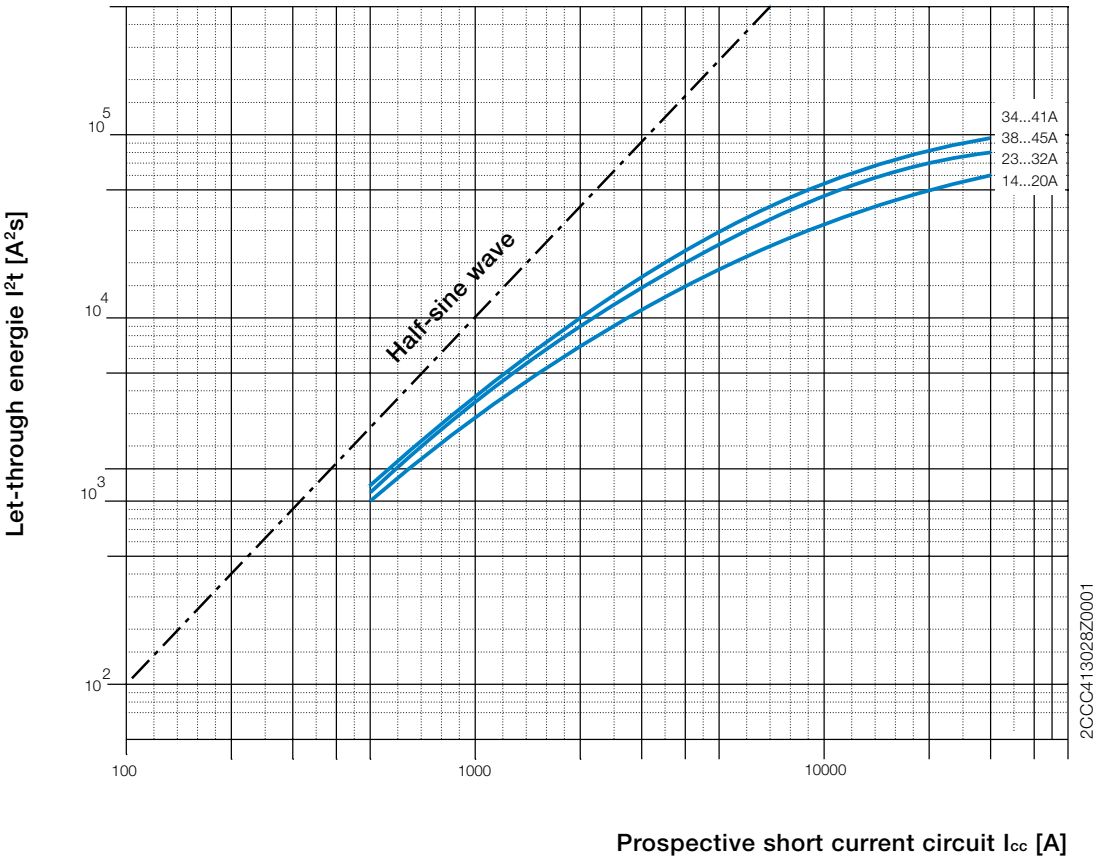
Shunt release AL		
Rated operating voltage U_e	[VAC/DC]	12, 24, 110, 230, 400
Operating range	[%]U_e	50 ... 110
Power loss of coil when attracted	[W/VA]	max. 130
Connections C_u	[mm^2]	1 ... 25
Tightening torque	[Nm]	2.5
Standards		IEC 60947-1 UL1077

Let-through energies
S500-K



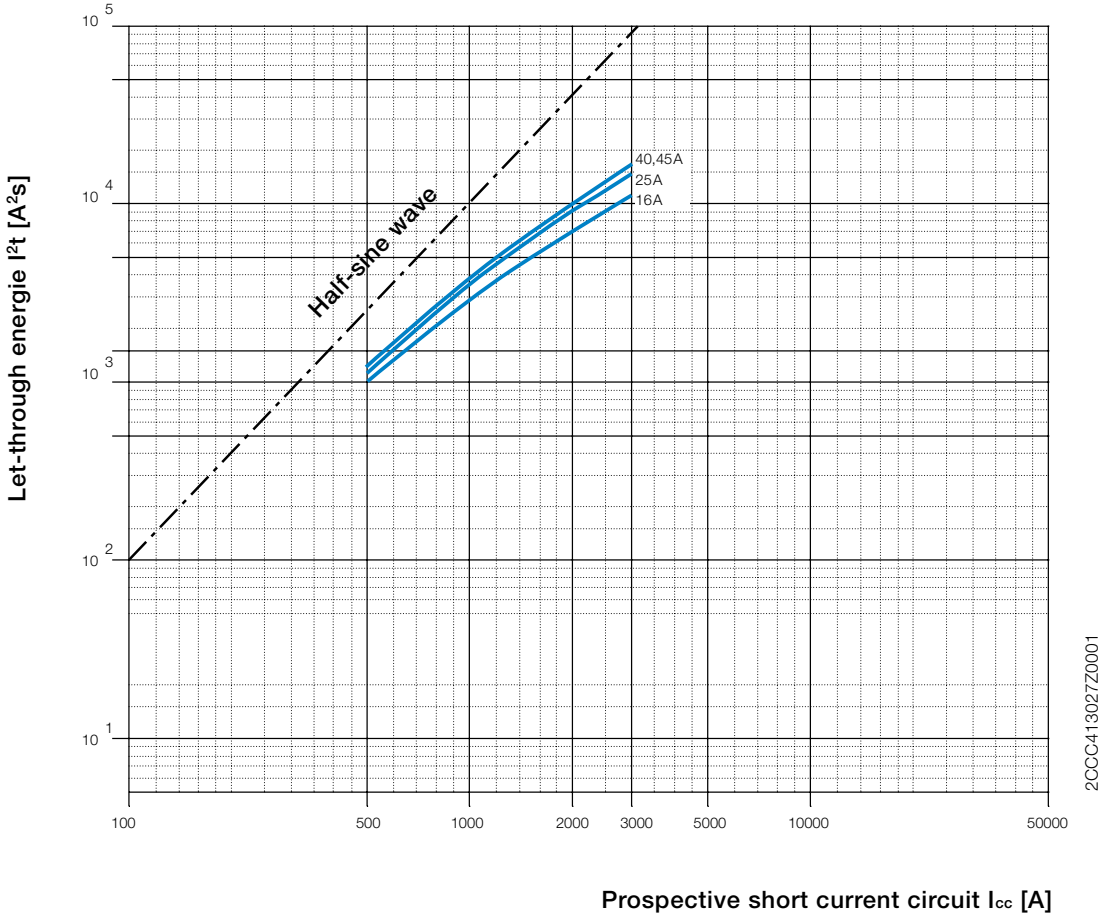



Let-through energie I²t [A²s]
10^5
10^4
10^3
10^2
Half-sine wave
29...37A
18...26A
10...15A
100
1000
10000
Prospective short current circuit Icc [A]
2CCC412025Z0001


Let-through energie I²t [A²s]
10^5
10^4
10^3
10^2
Half-sine wave
34...41A
38...45A
23...32A
14...20A
100
1000
10000
Prospective short current circuit Icc [A]
2CCC413028Z0001

Let-through energies

S500HV



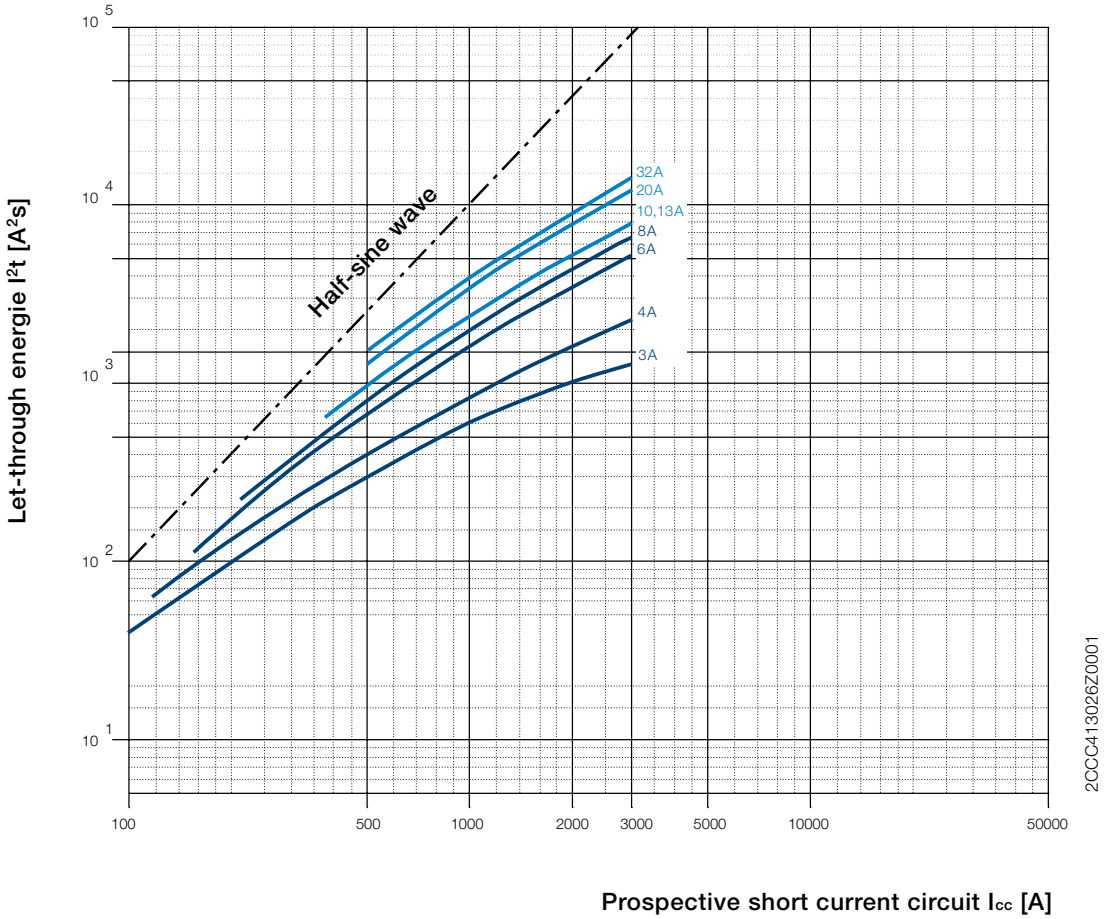
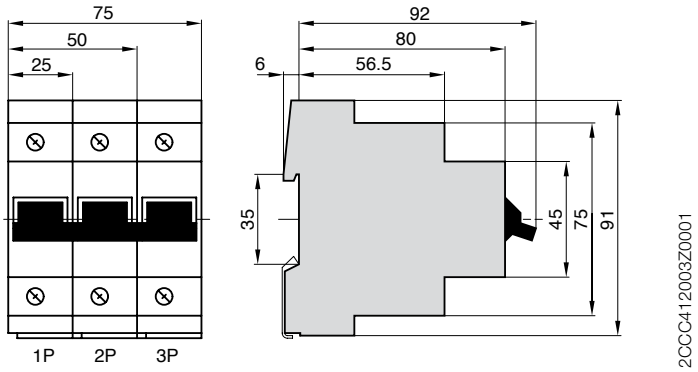


Table of content S500

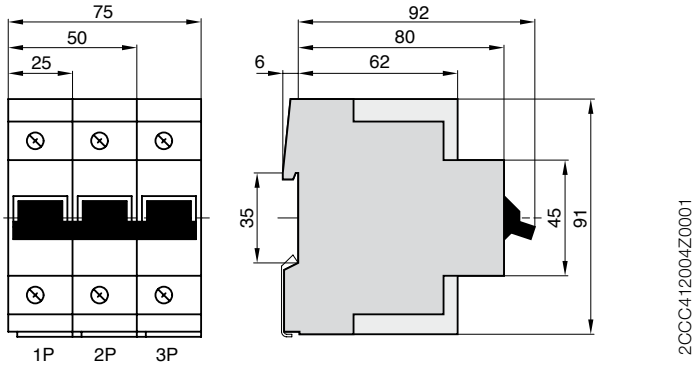
Pole dimensions

High performance MCB

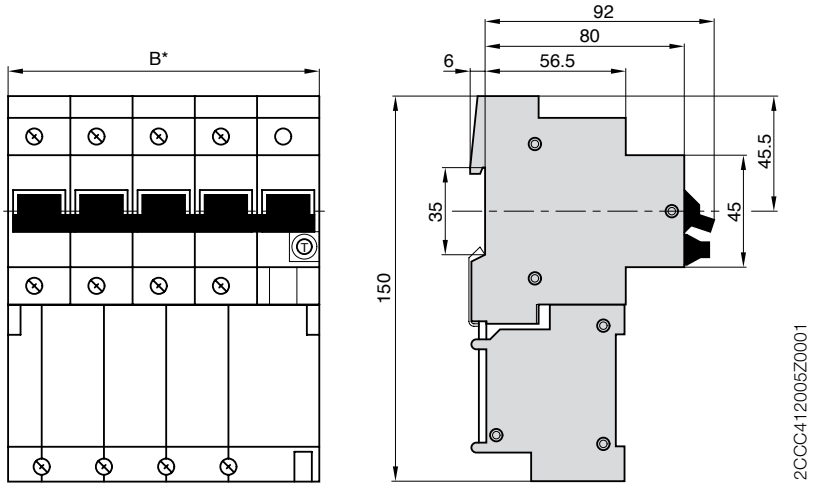
S500-K, X



S500UC-K, HV



F500K



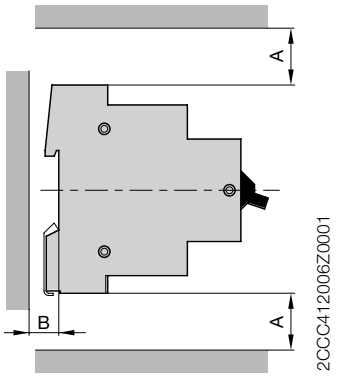
Type designation	*Dim. in mm
F502…	75
F503…	100
F504…	125

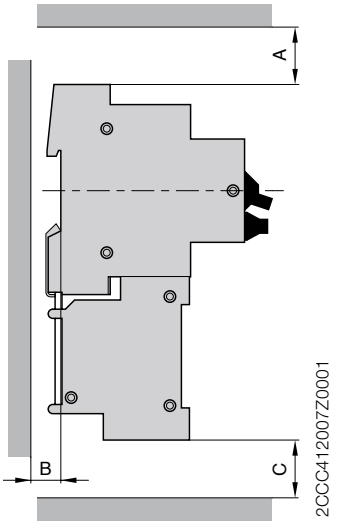
Dimensions of accessories

Mounting clearances in mm

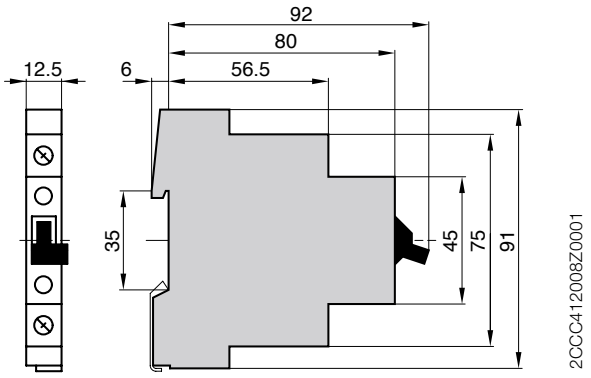
Mounting clearances in mm

Dimension	To grounded parts, insulating covers or cable ducts	To bare and/or live parts where busbar clearance is 10 mm
A	25	80
B	7	100
C	25	25

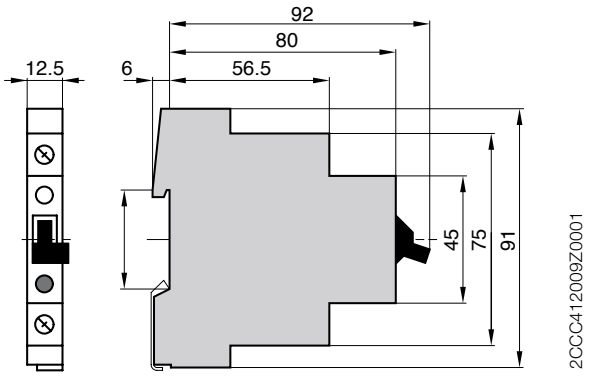




S500-H11
S500-H20

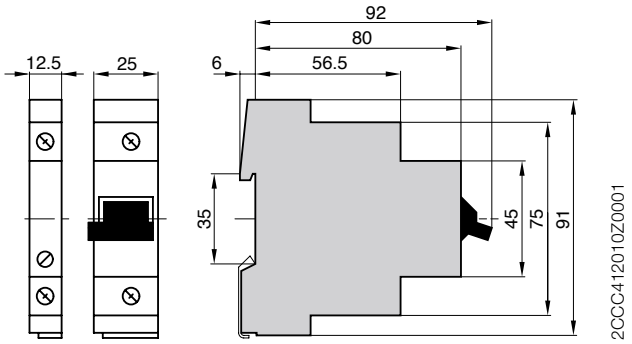


S500-S11
S500-S20

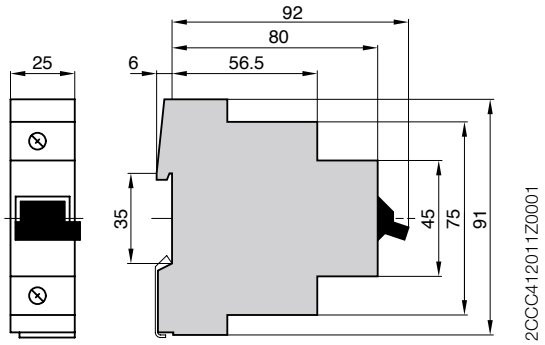


Dimensions of accessories

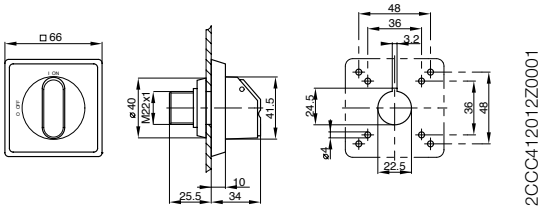
...N
...NA



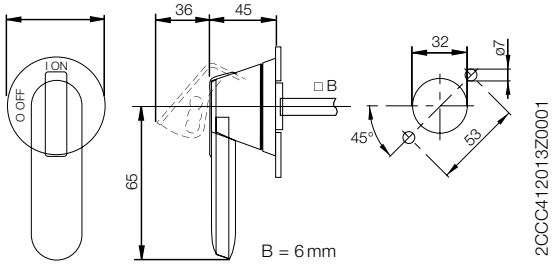
...+UA
...+AL



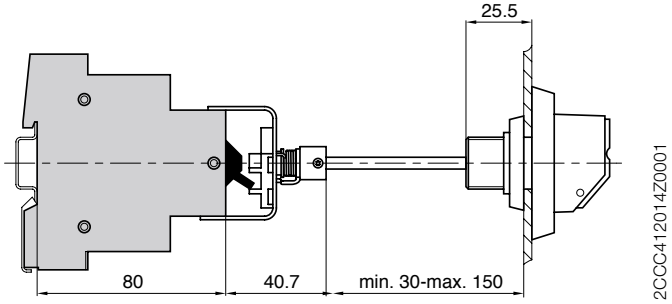
Rotary handle



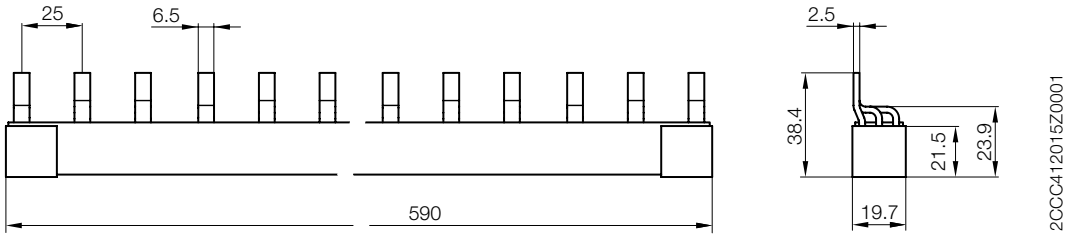
Pistol grip



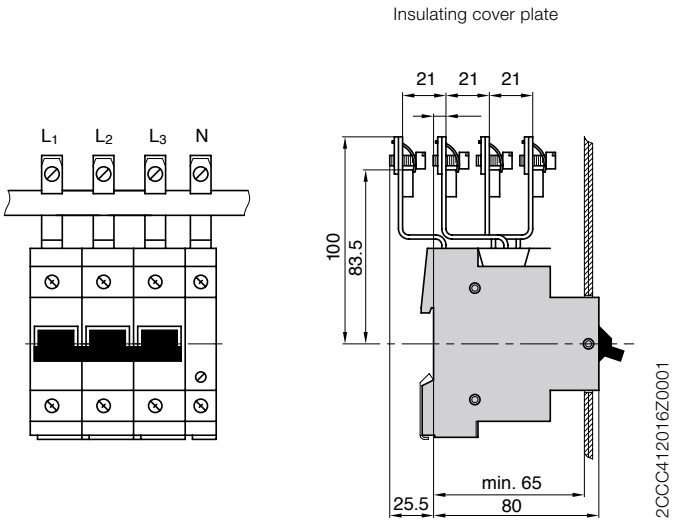
S500-RD +
S500-S51
S500-S52 +
Rotary handle

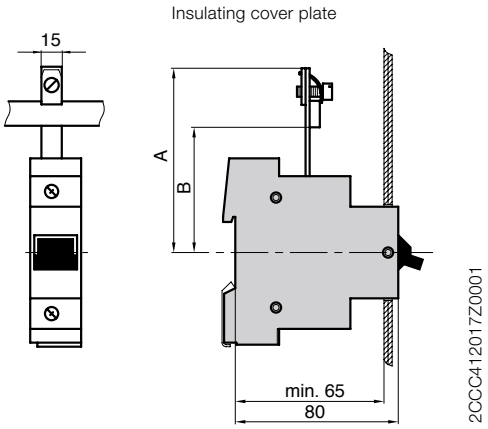


Busbar



Busbar terminal





Busbar terminal	Dimension in mm	
	A	B
S500-AK50	91	71.5
S500-AK20	67	47.5

Table of content S500

Approbationen

	China	US/ Canada	Russia	Marine	
					
S500 Main devices					
S500-K High performance MCB	■	■	■	■	■
S500UC-K High performance MCB	■	■	■		
S500 accessories					
S500-H11, -H20		■			
S500-S11, -S20		■			
...+UA Undervoltage release		■			
...+AL Shunt release		■			

■ devices are approved
☐ devices have been submitted for approval or submission planned for device

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