

S200 series

Supplementary protective devices—UL 1077 series



Description

The S200 UL 1077 family of supplementary protectors offers a compact solution for protection requirements. The S200 devices are DIN rail mounted.

The S200 family is available with application-specific trip characteristics to provide maximum circuit protection.

The supplementary protectors offer thermal magnetic trip protection according to B, C, D, K and Z characteristics.

For the worldwide market, the breakers carry UL, CSA, IEC, CE and many other agency approvals and certifications.

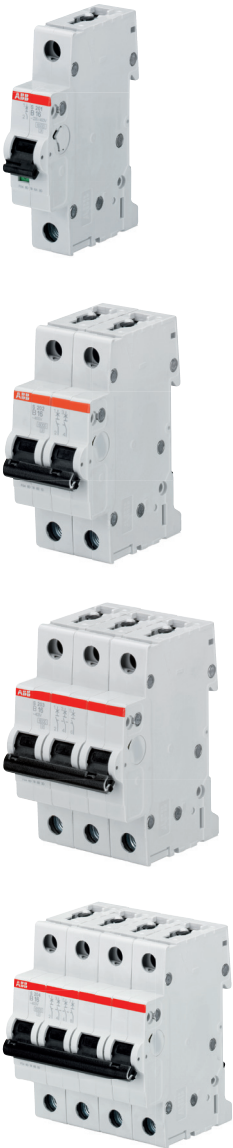
Features

- Energy limiting
- Fast breaking time (2.3 – 2.5 ms)
- Bus connection system
- Wide range of accessories
- Available with variable depth handle mechanism
- CE certified and marked
- DIN rail mounting
- Finger safe terminals
- Multi-function terminals
- Suitable for reverse feed
- UL 1077 recognized supplemental protective device. UL file #E76126

	S200	S200P	S200MR	S200MUC
Amperage	Up to 63 A	Up to 63 A	Up to 63 A	Up to 63 A
Voltage	277/Y480 VAC 60/110 VDC (1/2-pole)	277/Y480 VAC	277/Y480 VAC	277/Y480 VAC 250/500 VDC (1/2-pole)
Poles	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4
Trip curves	B, C, D, K, Z	B, C, D, K, Z	K	C, K, Z
Short circuit interrupt rating	6 kA	10 kA (up to 25 A) 6 kA (32-63 A)	10 kA	10 kA
Auxiliary contacts	Yes	Yes	Yes	Yes
Bell alarm	Yes	Yes	Yes	Yes
Shunt trip	Yes	Yes	Yes	Yes
Undervoltage release	Yes	Yes	Yes	Yes
Busbar	Yes	Yes	Yes	Yes

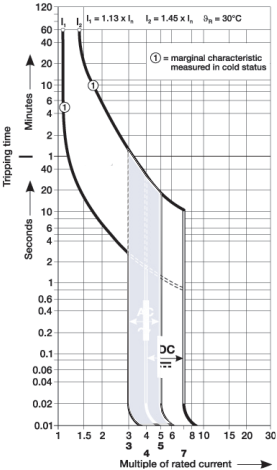
S200-B

Supplemental protectors—UL 1077, CSA 22.2 No. 235



Number of poles			Number of poles		
Rated current			Rated current		
I_n			I_n		
A			A		
Catalog number			Catalog number		
1	6	S201-B6	3	6	S203-B6
	10	S201-B10		10	S203-B10
	13	S201-B13		13	S203-B13
	16	S201-B16		16	S203-B16
	20	S201-B20		20	S203-B20
	25	S201-B25		25	S203-B25
	32	S201-B32		32	S203-B32
	40	S201-B40		40	S203-B40
	50	S201-B50		50	S203-B50
1 + NA	63	S201-B63	3 + NA	63	S203-B63
	6	S201-B6NA		6	S203-B6NA
	10	S201-B10NA		10	S203-B10NA
	13	S201-B13NA		13	S203-B13NA
	16	S201-B16NA		16	S203-B16NA
	20	S201-B20NA		20	S203-B20NA
	25	S201-B25NA		25	S203-B25NA
	32	S201-B32NA		32	S203-B32NA
	40	S201-B40NA		40	S203-B40NA
2	50	S201-B50NA	4	50	S203-B50NA
	63	S201-B63NA		63	S203-B63NA
	6	S202-B6		6	S204-B6
	10	S202-B10		10	S204-B10
	13	S202-B13		13	S204-B13
	16	S202-B16		16	S204-B16
	20	S202-B20		20	S204-B20
	25	S202-B25		25	S204-B25
	32	S202-B32		32	S204-B32
	40	S202-B40		40	S204-B40
	50	S202-B50		50	S204-B50
	63	S202-B63		63	S204-B63

Note: Switching neutral is noted by "NA" in the catalog number.



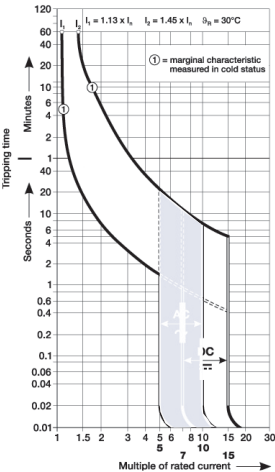
S200-C

Supplemental protectors—UL 1077, CSA 22.2 No. 235



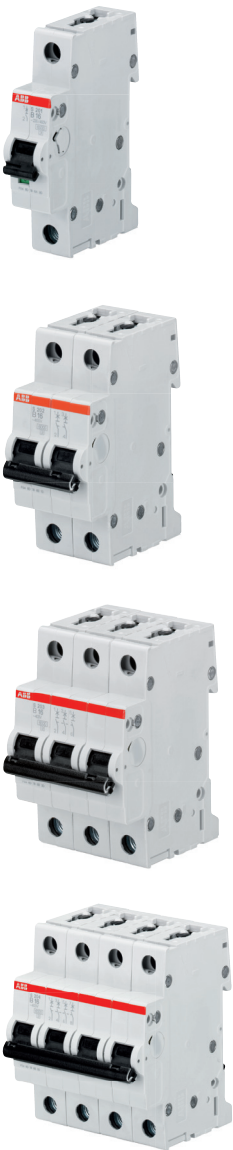
Number of poles	Rated current		Number of poles	Rated current	
	I_n A	Catalog number		I_n A	Catalog number
1	0.5	S201-C0.5	3	0.5	S203-C0.5
	1	S201-C1		1	S203-C1
	1.6	S201-C1.6		1.6	S203-C1.6
	2	S201-C2		2	S203-C2
	3	S201-C3		3	S203-C3
	4	S201-C4		4	S203-C4
	6	S201-C6		6	S203-C6
	8	S201-C8		8	S203-C8
	10	S201-C10		10	S203-C10
	13	S201-C13		13	S203-C13
	16	S201-C16		16	S203-C16
	20	S201-C20		20	S203-C20
	25	S201-C25		25	S203-C25
	32	S201-C32		32	S203-C32
	40	S201-C40		40	S203-C40
	50	S201-C50		50	S203-C50
1 + NA	63	S201-C63	3 + NA	63	S203-C63
	0.5	S201-C0.5NA		0.5	S203-C0.5NA
	1	S201-C1NA		1	S203-C1NA
	1.6	S201-C1.6NA		1.6	S203-C1.6NA
	2	S201-C2NA		2	S203-C2NA
	3	S201-C3NA		3	S203-C3NA
	4	S201-C4NA		4	S203-C4NA
	6	S201-C6NA		6	S203-C6NA
	8	S201-C8NA		8	S203-C8NA
	10	S201-C10NA		10	S203-C10NA
	13	S201-C13NA		13	S203-C13NA
	16	S201-C16NA		16	S203-C16NA
	20	S201-C20NA		20	S203-C20NA
	25	S201-C25NA		25	S203-C25NA
	32	S201-C32NA		32	S203-C32NA
	40	S201-C40NA		40	S203-C40NA
2	50	S201-C50NA	4	50	S203-C50NA
	63	S201-C63NA		63	S203-C63NA
	0.5	S202-C0.5		0.5	S204-C0.5
	1	S202-C1		1	S204-C1
	1.6	S202-C1.6		1.6	S204-C1.6
	2	S202-C2		2	S204-C2
	3	S202-C3		3	S204-C3
	4	S202-C4		4	S204-C4
	6	S202-C6		6	S204-C6
	8	S202-C8		8	S204-C8
	10	S202-C10		10	S204-C10
	13	S202-C13		13	S204-C13
	16	S202-C16		16	S204-C16
	20	S202-C20		20	S204-C20
	25	S202-C25		25	S204-C25
	32	S202-C32		32	S204-C32
	40	S202-C40		40	S204-C40
	50	S202-C50		50	S204-C50
	63	S202-C63		63	S204-C63

Note: Switching neutral is noted by "NA" in the catalog number.



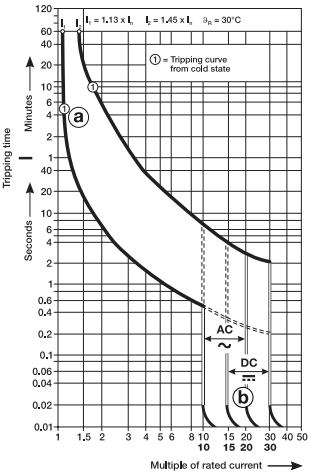
S200-D

Supplemental protectors—UL 1077, CSA 22.2 No. 235



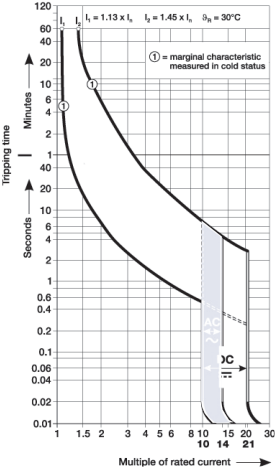
Rated current			Rated current		
Number of poles	I_n A	Catalog number	Number of poles	I_n A	Catalog number
1	0.5	S201-D0.5	3	0.5	S203-D0.5
	1	S201-D1		1	S203-D1
	1.6	S201-D1.6		1.6	S203-D1.6
	2	S201-D2		2	S203-D2
	3	S201-D3		3	S203-D3
	4	S201-D4		4	S203-D4
	6	S201-D6		6	S203-D6
	8	S201-D8		8	S203-D8
	10	S201-D10		10	S203-D10
	13	S201-D13		13	S203-D13
	16	S201-D16		16	S203-D16
	20	S201-D20		20	S203-D20
	25	S201-D25		25	S203-D25
	32	S201-D32		32	S203-D32
	40	S201-D40		40	S203-D40
	50	S201-D50		50	S203-D50
	63	S201-D63		63	S203-D63
1 + NA	0.5	S201-D0.5NA	3 + NA	0.5	S203-D0.5NA
	1	S201-D1NA		1	S203-D1NA
	1.6	S201-D1.6NA		1.6	S203-D1.6NA
	2	S201-D2NA		2	S203-D2NA
	3	S201-D3NA		3	S203-D3NA
	4	S201-D4NA		4	S203-D4NA
	6	S201-D6NA		6	S203-D6NA
	8	S201-D8NA		8	S203-D8NA
	10	S201-D10NA		10	S203-D10NA
	13	S201-D13NA		13	S203-D13NA
	16	S201-D16NA		16	S203-D16NA
	20	S201-D20NA		20	S203-D20NA
	25	S201-D25NA		25	S203-D25NA
	32	S201-D32NA		32	S203-D32NA
	40	S201-D40NA		40	S203-D40NA
	50	S201-D50NA		50	S203-D50NA
	63	S201-D63NA		63	S203-D63NA
2	0.5	S202-D0.5	4	0.5	S204-D0.5
	1	S202-D1		1	S204-D1
	1.6	S202-D1.6		1.6	S204-D1.6
	2	S202-D2		2	S204-D2
	3	S202-D3		3	S204-D3
	4	S202-D4		4	S204-D4
	6	S202-D6		6	S204-D6
	8	S202-D8		8	S204-D8
	10	S202-D10		10	S204-D10
	13	S202-D13		13	S204-D13
	16	S202-D16		16	S204-D16
	20	S202-D20		20	S204-D20
	25	S202-D25		25	S204-D25
	32	S202-D32		32	S204-D32
	40	S202-D40		40	S204-D40
	50	S202-D50		50	S204-D50
	63	S202-D63		63	S204-D63

Note: Switching neutral is noted by "NA" in the catalog number.



S200-K

Supplemental protectors—UL 1077, CSA 22.2 No. 235

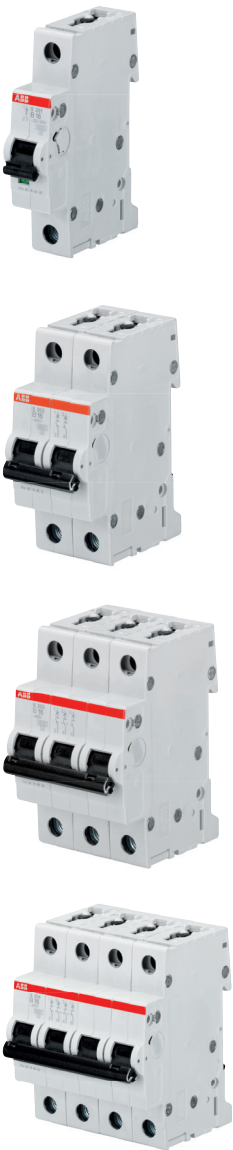


Number of poles	Rated current		Number of poles	Rated current	
	I_n A	Catalog number		I_n A	Catalog number
1	0.5	S201-K0.5	3	0.5	S203-K0.5
	1	S201-K1		1	S203-K1
	1.6	S201-K1.6		1.6	S203-K1.6
	2	S201-K2		2	S203-K2
	3	S201-K3		3	S203-K3
	4	S201-K4		4	S203-K4
	6	S201-K6		6	S203-K6
	8	S201-K8		8	S203-K8
	10	S201-K10		10	S203-K10
	13	S201-K13		13	S203-K13
	16	S201-K16		16	S203-K16
	20	S201-K20		20	S203-K20
	25	S201-K25		25	S203-K25
	32	S201-K32		32	S203-K32
	40	S201-K40		40	S203-K40
	50	S201-K50		50	S203-K50
1 + NA	63	S201-K63		63	S203-K63
	0.5	S201-K0.5NA	3 + NA	0.5	S203-K0.5NA
	1	S201-K1NA		1	S203-K1NA
	1.6	S201-K1.6NA		1.6	S203-K1.6NA
	2	S201-K2NA		2	S203-K2NA
	3	S201-K3NA		3	S203-K3NA
	4	S201-K4NA		4	S203-K4NA
	6	S201-K6NA		6	S203-K6NA
	8	S201-K8NA		8	S203-K8NA
	10	S201-K10NA		10	S203-K10NA
	13	S201-K13NA		13	S203-K13NA
	16	S201-K16NA		16	S203-K16NA
	20	S201-K20NA		20	S203-K20NA
	25	S201-K25NA		25	S203-K25NA
	32	S201-K32NA		32	S203-K32NA
	40	S201-K40NA		40	S203-K40NA
	50	S201-K50NA		50	S203-K50NA
2	63	S201-K63NA		63	S203-K63NA
	0.5	S202-K0.5	4	0.5	S204-K0.5
	1	S202-K1		1	S204-K1
	1.6	S202-K1.6		1.6	S204-K1.6
	2	S202-K2		2	S204-K2
	3	S202-K3		3	S204-K3
	4	S202-K4		4	S204-K4
	6	S202-K6		6	S204-K6
	8	S202-K8		8	S204-K8
	10	S202-K10		10	S204-K10
	13	S202-K13		13	S204-K13
	16	S202-K16		16	S204-K16
	20	S202-K20		20	S204-K20
	25	S202-K25		25	S204-K25
	32	S202-K32		32	S204-K32
	40	S202-K40		40	S204-K40
	50	S202-K50		50	S204-K50
	63	S202-K63		63	S204-K63

Note: Switching neutral is noted by "NA" in the catalog number.

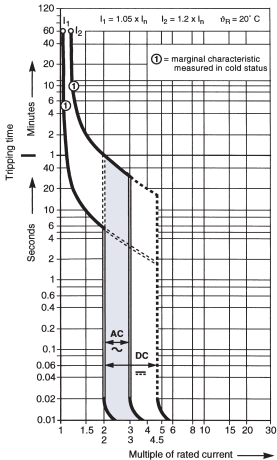
S200-Z

Supplemental protectors—UL 1077, CSA 22.2 No. 235



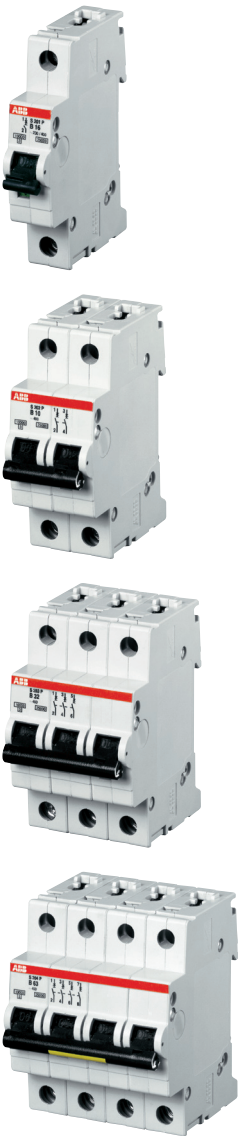
Number of poles	Rated current		Number of poles	Rated current	
	I_n A	Catalog number		I_n A	Catalog number
1	0.5	S201-Z0.5	3	0.5	S203-Z0.5
	1	S201-Z1		1	S203-Z1
	1.6	S201-Z1.6		1.6	S203-Z1.6
	2	S201-Z2		2	S203-Z2
	3	S201-Z3		3	S203-Z3
	4	S201-Z4		4	S203-Z4
	6	S201-Z6		6	S203-Z6
	8	S201-Z8		8	S203-Z8
	10	S201-Z10		10	S203-Z10
	13	S201-Z13		13	S203-Z13
	16	S201-Z16		16	S203-Z16
	20	S201-Z20		20	S203-Z20
	25	S201-Z25		25	S203-Z25
	32	S201-Z32		32	S203-Z32
	40	S201-Z40		40	S203-Z40
2	50	S201-Z50	4	50	S203-Z50
	63	S201-Z63		63	S203-Z63
	0.5	S202-Z0.5		0.5	S204-Z0.5
	1	S202-Z1		1	S204-Z1
	1.6	S202-Z1.6		1.6	S204-Z1.6
	2	S202-Z2		2	S204-Z2
	3	S202-Z3		3	S204-Z3
	4	S202-Z4		4	S204-Z4
	6	S202-Z6		6	S204-Z6
	8	S202-Z8		8	S204-Z8
	10	S202-Z10		10	S204-Z10
	13	S202-Z13		13	S204-Z13
	16	S202-Z16		16	S204-Z16
	20	S202-Z20		20	S204-Z20
	25	S202-Z25		25	S204-Z25
	32	S202-Z32		32	S204-Z32
	40	S202-Z40		40	S204-Z40
	50	S202-Z50		50	S204-Z50
	63	S202-Z63		63	S204-Z63

Note: Switching neutral is noted by "NA" in the catalog number.



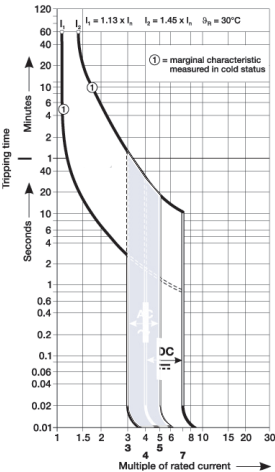
S200P-B

Supplemental protectors—UL 1077, CSA 22.2 No. 235



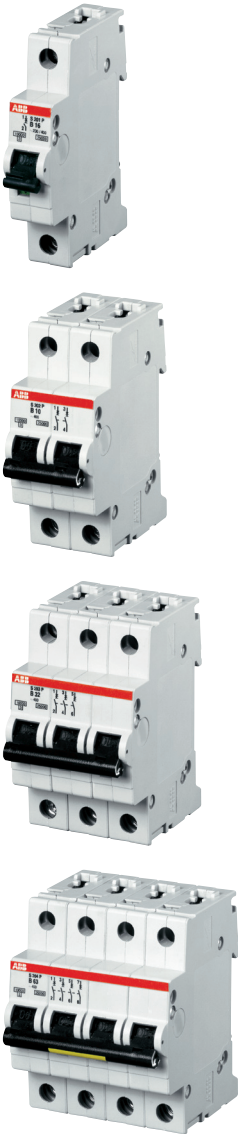
Number of poles	Rated current		Number of poles	Rated current	
	I_n A	Catalog number		I_n A	Catalog number
1	0.5	S201P-B0.5	3	0.5	S203P-B0.5
	1	S201P-B1		1	S203P-B1
	1.6	S201P-B1.6		1.6	S203P-B1.6
	2	S201P-B2		2	S203P-B2
	3	S201P-B3		3	S203P-B3
	4	S201P-B4		4	S203P-B4
	6	S201P-B6		6	S203P-B6
	8	S201P-B8		8	S203P-B8
	10	S201P-B10		10	S203P-B10
	13	S201P-B13		13	S203P-B13
	16	S201P-B16		16	S203P-B16
	20	S201P-B20		20	S203P-B20
	25	S201P-B25		25	S203P-B25
	32	S201P-B32		32	S203P-B32
2	40	S201P-B40	4	40	S203P-B40
	50	S201P-B50		50	S203P-B50
	63	S201P-B63		63	S203P-B63
	0.5	S202P-B0.5		0.5	S204P-B0.5
	1	S202P-B1		1	S204P-B1
	1.6	S202P-B1.6		1.6	S204P-B1.6
	2	S202P-B2		2	S204P-B2
	3	S202P-B3		3	S204P-B3
	4	S202P-B4		4	S204P-B4
	6	S202P-B6		6	S204P-B6
	8	S202P-B8		8	S204P-B8
	10	S202P-B10		10	S204P-B10
	13	S202P-B13		13	S204P-B13
	16	S202P-B16		16	S204P-B16
	20	S202P-B20		20	S204P-B20
	25	S202P-B25		25	S204P-B25
	32	S202P-B32		32	S204P-B32
	40	S202P-B40		40	S204P-B40
	50	S202P-B50		50	S204P-B50
	63	S202P-B63		63	S204P-B63

Note: Switching neutral is noted by “NA” in the catalog number.



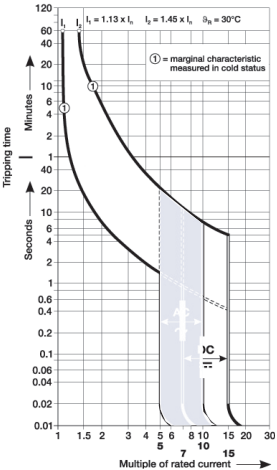
S200P-C

Supplemental protectors—UL 1077, CSA 22.2 No. 235



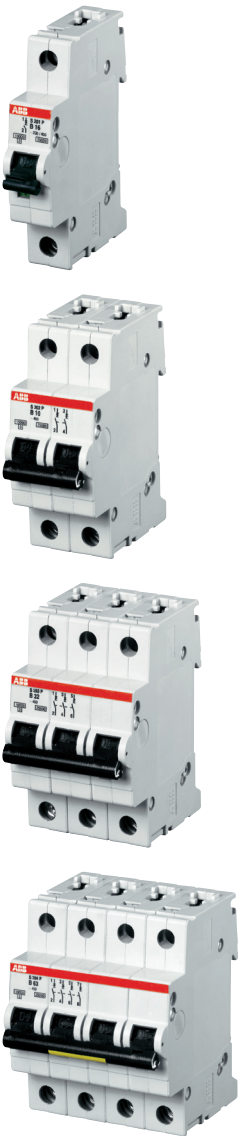
Number of poles	Rated current		Number of poles	Rated current	
	I_n A	Catalog number		I_n A	Catalog number
1	0.5	S201P-C0.5	3	0.5	S203P-C0.5
	1	S201P-C1		1	S203P-C1
	1.6	S201P-C1.6		1.6	S203P-C1.6
	2	S201P-C2		2	S203P-C2
	3	S201P-C3		3	S203P-C3
	4	S201P-C4		4	S203P-C4
	6	S201P-C6		6	S203P-C6
	8	S201P-C8		8	S203P-C8
	10	S201P-C10		10	S203P-C10
	13	S201P-C13		13	S203P-C13
	16	S201P-C16		16	S203P-C16
	20	S201P-C20		20	S203P-C20
	25	S201P-C25		25	S203P-C25
	32	S201P-C32		32	S203P-C32
2	40	S201P-C40	4	40	S203P-C40
	50	S201P-C50		50	S203P-C50
	63	S201P-C63		63	S203P-C63
	0.5	S202P-C0.5		0.5	S204P-C0.5
	1	S202P-C1		1	S204P-C1
	1.6	S202P-C1.6		1.6	S204P-C1.6
	2	S202P-C2		2	S204P-C2
	3	S202P-C3		3	S204P-C3
	4	S202P-C4		4	S204P-C4
	6	S202P-C6		6	S204P-C6
	8	S202P-C8		8	S204P-C8
	10	S202P-C10		10	S204P-C10
	13	S202P-C13		13	S204P-C13
	16	S202P-C16		16	S204P-C16
	20	S202P-C20		20	S204P-C20
	25	S202P-C25		25	S204P-C25
	32	S202P-C32		32	S204P-C32
	40	S202P-C40		40	S204P-C40
	50	S202P-C50		50	S204P-C50
	63	S202P-C63		63	S204P-C63

Note: Switching neutral is noted by "NA" in the catalog number.



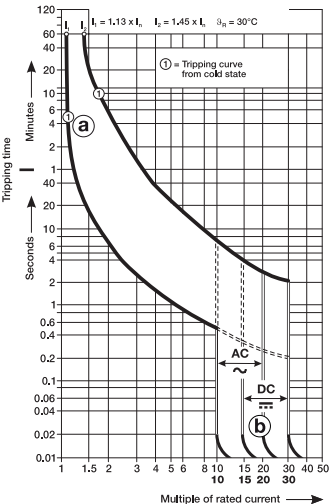
S200P-D

Supplemental protectors—UL 1077, CSA 22.2 No. 235



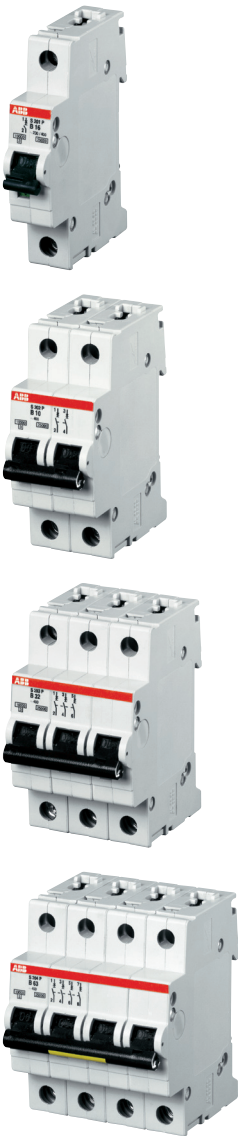
Number of poles	Rated current		Number of poles	Rated current	
	I_n A	Catalog number		I_n A	Catalog number
1	0.5	S201P-D0.5	3	0.5	S203P-D0.5
	1	S201P-D1		1	S203P-D1
	1.6	S201P-D1.6		1.6	S203P-D1.6
	2	S201P-D2		2	S203P-D2
	3	S201P-D3		3	S203P-D3
	4	S201P-D4		4	S203P-D4
	6	S201P-D6		6	S203P-D6
	8	S201P-D8		8	S203P-D8
	10	S201P-D10		10	S203P-D10
	13	S201P-D13		13	S203P-D13
	16	S201P-D16		16	S203P-D16
	20	S201P-D20		20	S203P-D20
	25	S201P-D25		25	S203P-D25
	32	S201P-D32		32	S203P-D32
2	40	S201P-D40	4	40	S203P-D40
	50	S201P-D50		50	S203P-D50
	63	S201P-D63		63	S203P-D63
	0.5	S202P-D0.5		0.5	S204P-D0.5
	1	S202P-D1		1	S204P-D1
	1.6	S202P-D1.6		1.6	S204P-D1.6
	2	S202P-D2		2	S204P-D2
	3	S202P-D3		3	S204P-D3
	4	S202P-D4		4	S204P-D4
	6	S202P-D6		6	S204P-D6
	8	S202P-D8		8	S204P-D8
	10	S202P-D10		10	S204P-D10
	13	S202P-D13		13	S204P-D13
	16	S202P-D16		16	S204P-D16
	20	S202P-D20		20	S204P-D20
	25	S202P-D25		25	S204P-D25
	32	S202P-D32		32	S204P-D32
	40	S202P-D40		40	S204P-D40
	50	S202P-D50		50	S204P-D50
	63	S202P-D63		63	S204P-D63

Note: Switching neutral is noted by “NA” in the catalog number.



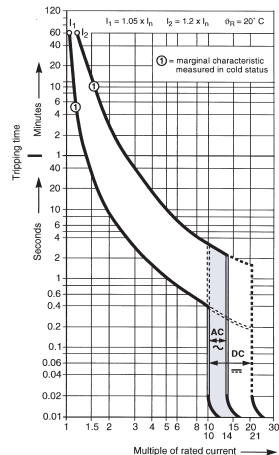
S200P-K

Supplemental protectors—UL 1077, CSA 22.2 No. 235



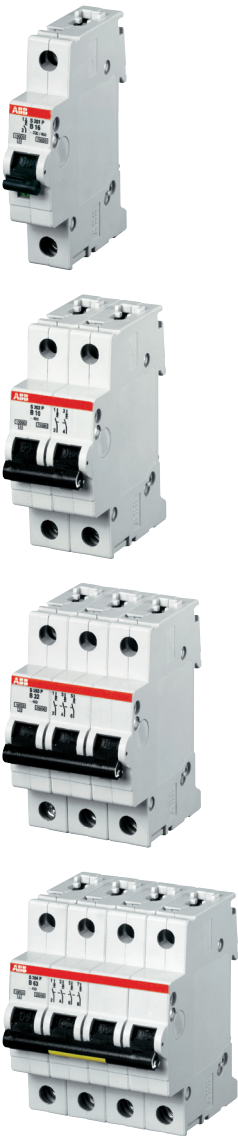
Number of poles	Rated current		Number of poles	Rated current	
	I_n A	Catalog number		I_n A	Catalog number
1	0.2	S201P-K0.2	3	0.2	S203P-K0.2
	0.3	S201P-K0.3		0.3	S203P-K0.3
	0.5	S201P-K0.4		0.5	S203P-K0.4
	0.75	S201P-K0.75		0.75	S203P-K0.75
	1	S201P-K1		1	S203P-K1
	1.6	S201P-K1.6		1.6	S203P-K1.6
	2	S201P-K2		2	S203P-K2
	3	S201P-K3		3	S203P-K3
	4	S201P-K4		4	S203P-K4
	6	S201P-K6		6	S203P-K6
	8	S201P-K8		8	S203P-K8
	10	S201P-K10		10	S203P-K10
	13	S201P-K13		13	S203P-K13
	16	S201P-K16		16	S203P-K16
	20	S201P-K20		20	S203P-K20
	25	S201P-K25		25	S203P-K25
2	32	S201P-K32	4	32	S203P-K32
	40	S201P-K40		40	S203P-K40
	50	S201P-K50		50	S203P-K50
	63	S201P-K63		63	S203P-K63
	0.2	S202P-K0.2		0.2	S204P-K0.2
	0.3	S202P-K0.3		0.3	S204P-K0.3
	0.5	S202P-K0.4		0.5	S204P-K0.4
	0.75	S202P-K0.75		0.75	S204P-K0.75
	1	S202P-K1		1	S204P-K1
	1.6	S202P-K1.6		1.6	S204P-K1.6
	2	S202P-K2		2	S204P-K2
	3	S202P-K3		3	S204P-K3
	4	S202P-K4		4	S204P-K4
	6	S202P-K6		6	S204P-K6
	8	S202P-K8		8	S204P-K8
	10	S202P-K10		10	S204P-K10
	13	S202P-K13		13	S204P-K13
	16	S202P-K16		16	S204P-K16
	20	S202P-K20		20	S204P-K20
	25	S202P-K25		25	S204P-K25
	32	S202P-K32		32	S204P-K32
	40	S202P-K40		40	S204P-K40
	50	S202P-K50		50	S204P-K50
	63	S202P-K63		63	S204P-K63

Note: Switching neutral is noted by "NA" in the catalog number.



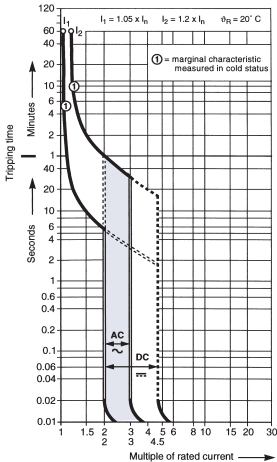
S200P-Z

Supplemental protectors—UL 1077, CSA 22.2 No. 235

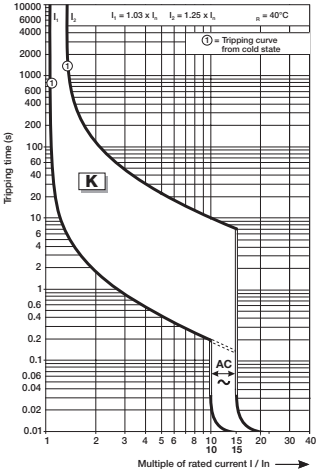


1			3		
Number of poles	Rated current I_n A	Catalog number	Number of poles	Rated current I_n A	Catalog number
1	0.5	S201P-Z0.5	3	0.5	S203P-Z0.5
	1	S201P-Z1		1	S203P-Z1
	1.6	S201P-Z1.6		1.6	S203P-Z1.6
	2	S201P-Z2		2	S203P-Z2
	3	S201P-Z3		3	S203P-Z3
	4	S201P-Z4		4	S203P-Z4
	6	S201P-Z6		6	S203P-Z6
	8	S201P-Z8		8	S203P-Z8
	10	S201P-Z10		10	S203P-Z10
	13	S201P-Z13		13	S203P-Z13
	16	S201P-Z16		16	S203P-Z16
	20	S201P-Z20		20	S203P-Z20
	25	S201P-Z25		25	S203P-Z25
	32	S201P-Z32		32	S203P-Z32
	40	S201P-Z40		40	S203P-Z40
2	50	S201P-Z50	4	50	S203P-Z50
	63	S201P-Z63		63	S203P-Z63
	0.5	S202P-Z0.5		0.5	S204P-Z0.5
	1	S202P-Z1		1	S204P-Z1
	1.6	S202P-Z1.6		1.6	S204P-Z1.6
	2	S202P-Z2		2	S204P-Z2
	3	S202P-Z3		3	S204P-Z3
	4	S202P-Z4		4	S204P-Z4
	6	S202P-Z6		6	S204P-Z6
	8	S202P-Z8		8	S204P-Z8
	10	S202P-Z10		10	S204P-Z10
	13	S202P-Z13		13	S204P-Z13
	16	S202P-Z16		16	S204P-Z16
	20	S202P-Z20		20	S204P-Z20
	25	S202P-Z25		25	S204P-Z25
	32	S202P-Z32		32	S204P-Z32
	40	S202P-Z40		40	S204P-Z40
	50	S202P-Z50		50	S204P-Z50
	63	S202P-Z63		63	S204P-Z63

Note: Switching neutral is noted by "NA" in the catalog number.



S200MR-K with ring tongue terminals
Supplemental protectors—UL 1077, CSA 22.2 No. 235



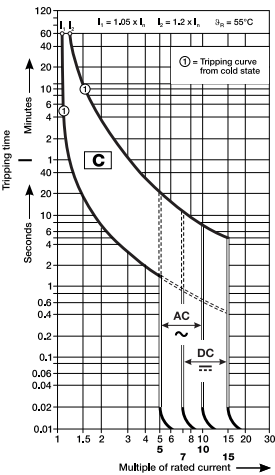
Number of poles	Rated current		Number of poles	Rated current	
	I_n A	Catalog number		I_n A	Catalog number
1	0.2	S201MR-K0.2	3	0.2	S203MR-K0.2
	0.3	S201MR-K0.3		0.3	S203MR-K0.3
	0.5	S201MR-K0.5		0.5	S203MR-K0.5
	0.75	S201MR-K0.75		0.75	S203MR-K0.75
	1	S201MR-K1		1	S203MR-K1
	1.6	S201MR-K1.6		1.6	S203MR-K1.6
	2	S201MR-K2		2	S203MR-K2
	3	S201MR-K3		3	S203MR-K3
	4	S201MR-K4		4	S203MR-K4
	5	S201MR-K5		5	S203MR-K5
	6	S201MR-K6		6	S203MR-K6
	8	S201MR-K8		8	S203MR-K8
	10	S201MR-K10		10	S203MR-K10
	13	S201MR-K13		13	S203MR-K13
	15	S201MR-K15		15	S203MR-K15
	16	S201MR-K16		16	S203MR-K16
	20	S201MR-K20		20	S203MR-K20
	25	S201MR-K25		25	S203MR-K25
	30	S201MR-K30		30	S203MR-K30
	32	S201MR-K32		32	S203MR-K32
2	35	S201MR-K35	4	35	S203MR-K35
	40	S201MR-K40		40	S203MR-K40
	50	S201MR-K50		50	S203MR-K50
	60	S201MR-K60		60	S203MR-K60
	63	S201MR-K63		63	S203MR-K63
	0.2	S202MR-K0.2		0.2	S204MR-K0.2
	0.3	S202MR-K0.3		0.3	S204MR-K0.3
	0.5	S202MR-K0.5		0.5	S204MR-K0.5
	0.75	S202MR-K0.75		0.75	S204MR-K0.75
	1	S202MR-K1		1	S204MR-K1
	1.6	S202MR-K1.6		1.6	S204MR-K1.6
	2	S202MR-K2		2	S204MR-K2
	3	S202MR-K3		3	S204MR-K3
	4	S202MR-K4		4	S204MR-K4
	5	S202MR-K5		5	S204MR-K5
	6	S202MR-K6		6	S204MR-K6
	8	S202MR-K8		8	S204MR-K8
	10	S202MR-K10		10	S204MR-K10
	13	S202MR-K13		13	S204MR-K13
	15	S202MR-K15		15	S204MR-K15
	16	S202MR-K16		16	S204MR-K16
	20	S202MR-K20		20	S204MR-K20
	25	S202MR-K25		25	S204MR-K25
	30	S202MR-K30		30	S204MR-K30
	32	S202MR-K32		32	S204MR-K32
	35	S202MR-K35		35	S204MR-K35
	40	S202MR-K40		40	S204MR-K40
	50	S202MR-K50		50	S204MR-K50
	60	S202MR-K60		60	S204MR-K60
	63	S202MR-K63		63	S204MR-K63

S200MUC-C

Supplemental protectors—UL 1077, CSA 22.2 No. 235



1			3		
Number of poles	Rated current I_n A	Catalog number	Number of poles	Rated current I_n A	Catalog number
1	0.5	S201MUC-C0.5	3	0.5	S203MUC-C0.5
	1	S201MUC-C1		1	S203MUC-C1
	1.6	S201MUC-C1.6		1.6	S203MUC-C1.6
	2	S201MUC-C2		2	S203MUC-C2
	3	S201MUC-C3		3	S203MUC-C3
	4	S201MUC-C4		4	S203MUC-C4
	6	S201MUC-C6		6	S203MUC-C6
	8	S201MUC-C8		8	S203MUC-C8
	10	S201MUC-C10		10	S203MUC-C10
	13	S201MUC-C13		13	S203MUC-C13
	16	S201MUC-C16		16	S203MUC-C16
	20	S201MUC-C20		20	S203MUC-C20
	25	S201MUC-C25		25	S203MUC-C25
	32	S201MUC-C32		32	S203MUC-C32
2	40	S201MUC-C40		40	S203MUC-C40
	50	S201MUC-C50		50	S203MUC-C50
	63	S201MUC-C63		63	S203MUC-C63
	0.5	S202MUC-C0.5	4	0.5	S204MUC-C0.5
	1	S202MUC-C1		1	S204MUC-C1
	1.6	S202MUC-C1.6		1.6	S204MUC-C1.6
	2	S202MUC-C2		2	S204MUC-C2
	3	S202MUC-C3		3	S204MUC-C3
	4	S202MUC-C4		4	S204MUC-C4
	6	S202MUC-C6		6	S204MUC-C6
	8	S202MUC-C8		8	S204MUC-C8
	10	S202MUC-C10		10	S204MUC-C10
	13	S202MUC-C13		13	S204MUC-C13
	16	S202MUC-C16		16	S204MUC-C16
	20	S202MUC-C20		20	S204MUC-C20
	25	S202MUC-C25		25	S204MUC-C25
	32	S202MUC-C32		32	S204MUC-C32
	40	S202MUC-C40		40	S204MUC-C40
	50	S202MUC-C50		50	S204MUC-C50
	63	S202MUC-C63		63	S204MUC-C63

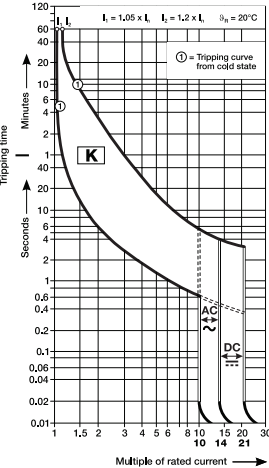


S200MUC-K

Supplemental protectors—UL 1077, CSA 22.2 No. 235



Number of poles			Number of poles		
Rated current			Rated current		
I_n			I_n		
A			A		
Catalog number			Catalog number		
1	0.2	S201MUC-K0.2	3	0.2	S203MUC-K0.2
	0.3	S201MUC-K0.3		0.3	S203MUC-K0.3
	0.5	S201MUC-K0.5		0.5	S203MUC-K0.5
	0.75	S201MUC-K0.75		0.75	S203MUC-K0.75
	1	S201MUC-K1		1	S203MUC-K1
	1.6	S201MUC-K1.6		1.6	S203MUC-K1.6
	2	S201MUC-K2		2	S203MUC-K2
	3	S201MUC-K3		3	S203MUC-K3
	4	S201MUC-K4		4	S203MUC-K4
	5	S201MUC-K5		5	S203MUC-K5
	6	S201MUC-K6		6	S203MUC-K6
	8	S201MUC-K8		8	S203MUC-K8
	10	S201MUC-K10		10	S203MUC-K10
	13	S201MUC-K13		13	S203MUC-K13
	15	S201MUC-K15		15	S203MUC-K15
	16	S201MUC-K16		16	S203MUC-K16
	20	S201MUC-K20		20	S203MUC-K20
	25	S201MUC-K25		25	S203MUC-K25
	30	S201MUC-K30		30	S203MUC-K30
	32	S201MUC-K32		32	S203MUC-K32
2	35	S201MUC-K35	4	35	S203MUC-K35
	40	S201MUC-K40		40	S203MUC-K40
	50	S201MUC-K50		50	S203MUC-K50
	60	S201MUC-K60		60	S203MUC-K60
	63	S201MUC-K63		63	S203MUC-K63
	0.2	S202MUC-K0.2		0.2	S204MUC-K0.2
	0.3	S202MUC-K0.3		0.3	S204MUC-K0.3
	0.5	S202MUC-K0.5		0.5	S204MUC-K0.5
	0.75	S202MUC-K0.75		0.75	S204MUC-K0.75
	1	S202MUC-K1		1	S204MUC-K1
	1.6	S202MUC-K1.6		1.6	S204MUC-K1.6
	2	S202MUC-K2		2	S204MUC-K2
	3	S202MUC-K3		3	S204MUC-K3
	4	S202MUC-K4		4	S204MUC-K4
	5	S202MUC-K5		5	S204MUC-K5
	6	S202MUC-K6		6	S204MUC-K6
	8	S202MUC-K8		8	S204MUC-K8
	10	S202MUC-K10		10	S204MUC-K10
	13	S202MUC-K13		13	S204MUC-K13
	15	S202MUC-K15		15	S204MUC-K15
	16	S202MUC-K16		16	S204MUC-K16
	20	S202MUC-K20		20	S204MUC-K20
	25	S202MUC-K25		25	S204MUC-K25
	30	S202MUC-K30		30	S204MUC-K30
	32	S202MUC-K32		32	S204MUC-K32
	35	S202MUC-K35		35	S204MUC-K35
	40	S202MUC-K40		40	S204MUC-K40
	50	S202MUC-K50		50	S204MUC-K50
	60	S202MUC-K60		60	S204MUC-K60
	63	S202MUC-K63		63	S204MUC-K63

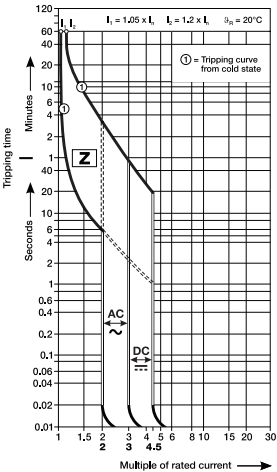


S200MUC-Z

Supplemental protectors—UL 1077, CSA 22.2 No. 235



Number of poles			Number of poles		
Rated current			Rated current		
I_n			I_n		
A			A		
Catalog number			Catalog number		
1	0.5	S201MUC-Z0.5	3	0.5	S203MUC-Z0.5
	1	S201MUC-Z1		1	S203MUC-Z1
	1.6	S201MUC-Z1.6		1.6	S203MUC-Z1.6
	2	S201MUC-Z2		2	S203MUC-Z2
	3	S201MUC-Z3		3	S203MUC-Z3
	4	S201MUC-Z4		4	S203MUC-Z4
	5	S201MUC-Z5		5	S203MUC-Z5
	6	S201MUC-Z6		6	S203MUC-Z6
	8	S201MUC-Z8		8	S203MUC-Z8
	10	S201MUC-Z10		10	S203MUC-Z10
	15	S201MUC-Z15		15	S203MUC-Z15
	16	S201MUC-Z16		16	S203MUC-Z16
	20	S201MUC-Z20		20	S203MUC-Z20
	25	S201MUC-Z25		25	S203MUC-Z25
	30	S201MUC-Z30		30	S203MUC-Z30
	32	S201MUC-Z32		32	S203MUC-Z32
	35	S201MUC-Z35		35	S203MUC-Z35
2	40	S201MUC-Z40	4	40	S203MUC-Z40
	50	S201MUC-Z50		50	S203MUC-Z50
	60	S201MUC-Z60		60	S203MUC-Z60
	63	S201MUC-Z63		63	S203MUC-Z63
	0.5	S202MUC-Z0.5		0.5	S204MUC-Z0.5
	1	S202MUC-Z1		1	S204MUC-Z1
	1.6	S202MUC-Z1.6		1.6	S204MUC-Z1.6
	2	S202MUC-Z2		2	S204MUC-Z2
	3	S202MUC-Z3		3	S204MUC-Z3
	4	S202MUC-Z4		4	S204MUC-Z4
	5	S202MUC-Z5		5	S204MUC-Z5
	6	S202MUC-Z6		6	S204MUC-Z6
	8	S202MUC-Z8		8	S204MUC-Z8
	10	S202MUC-Z10		10	S204MUC-Z10
	15	S202MUC-Z15		15	S204MUC-Z15
	16	S202MUC-Z16		16	S204MUC-Z16
	20	S202MUC-Z20		20	S204MUC-Z20
	25	S202MUC-Z25		25	S204MUC-Z25
	30	S202MUC-Z30		30	S204MUC-Z30
	32	S202MUC-Z32		32	S204MUC-Z32
	35	S202MUC-Z35		35	S204MUC-Z35
	40	S202MUC-Z40		40	S204MUC-Z40
	50	S202MUC-Z50		50	S204MUC-Z50
	60	S202MUC-Z60		60	S204MUC-Z60
	63	S202MUC-Z63		63	S204MUC-Z63



Accessories

S200, S200P, S200MR, and S200MUC—UL 1077, CSA 22.2 No. 235



S2C-H6...



S2C-A



S2C-UA



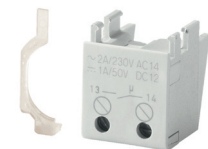
S2C-UA



SA1



SA2



S2C-H01

Auxiliary contacts

The auxiliary contacts will signal whether the breaker is in the ON or OFF position.

Description	Catalog number
For field mounting: right side	
Auxiliary contact 1CO	S2C-H6R
Auxiliary contact 1NO/1NC	S2C-H6-11R
Auxiliary contact 2NO	S2C-H6-20R
Auxiliary contact 2NC	S2C-H6-02R

Bell alarm—signal contact

The bell alarm includes a set of contacts that will only signal when the breaker has tripped. Typically, the contacts would be connected to an alarm or bell to signal the operator that an overcurrent trip has occurred. The bell alarm also includes a test button for testing the alarm contacts without opening the breaker.

Description	Catalog number
For field mounting: right side	S2C-S/H6R

Shunt trip

For remote tripping of breaker, a shunt trip device can be added to the MCB. The solenoid device opens the breaker after control voltage is applied.

Description	Catalog number
For field mounting: right side	
A1-12-60 VAC (12-60 VDC)	S2C-A1
A2-110-415 VAC (110-250 VDC)	S2C-A2

Undervoltage release

When control voltage drops below approximately 50 percent of rated voltage, the UVR opens the breaker. The breaker can not be operated unless proper control voltage is first applied to the UVR coil.

Description	Catalog number
For field mounting: right side	
12 VDC	S2C-UA12DC
24 VAC or VDC	S2C-UA24AC or S2C-UA24DC
48 VAC or VDC	S2C-UA48AC or S2C-UA48DC
110 VAC or VDC	S2C-UA110AC or S2C-UA110DC
230 VAC or VDC	S2C-UA230AC or S2C-UA230DC
400 VAC	S2C-UA400AC

Locking device

Description	Catalog number
Locking device, 3 mm	SA1
Padlock with two keys	SA2

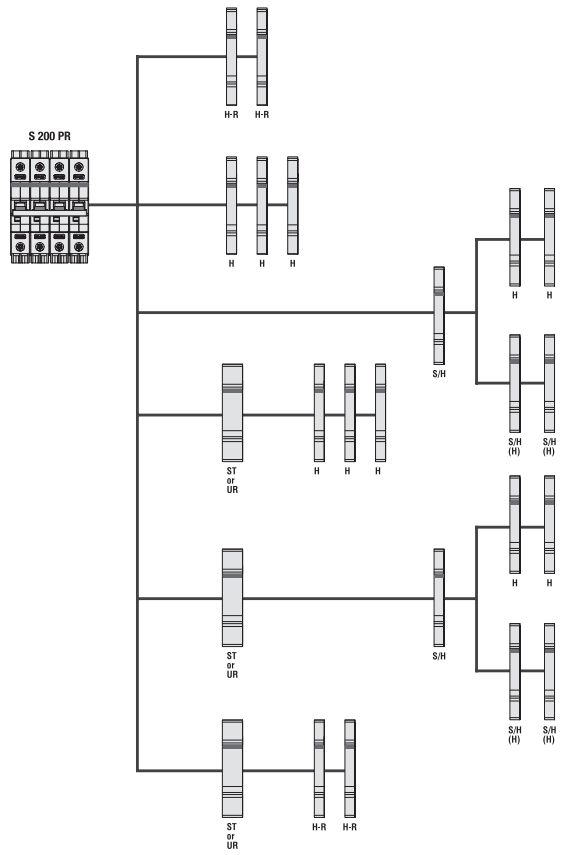
Bottom-fitted auxiliary contact

Description	Catalog number
Auxiliary contact 1 NC	S2C-H01
Auxiliary contact 1 NO	S2C-H10

Accessories

S200, S200P, S200MUC, and S200MR—UL 1077, CSA 22.2 No. 235

Accessory overview



- H Auxiliary contact S2C-H6R
- H-R Auxiliary contact S2C-H6-...R
- S/H Signal/auxiliary contact S2C-S/H6R
- S/H (H) Signal/auxiliary contact S2C-S/H6R used as auxiliary contact
- ST Shunt trip S2C-A...
- UR Undervoltage release S2C-UA

SU200MR Instructions for use

Ring Tongue Terminal, Special purpose - Not for general use

Installation Instructions

Please insert or withdraw the cable lug only when the screw is completely open.

Please make sure that the terminal screw penetrates the ring lug hole properly and completely during tightening.

Please ensure that the screw is securely tightened before applying any mechanical force on the cable / cable lug.

Do not apply abnormal downward pressure on the screw during tightening or loosening of the screw.

F = max, 30 N
F = Maximum to operate

Please follow the Ring Tongue Details on the rear of this sheet.

Ring Tongue Details

Only or ring cable lugs	Rated voltage 480Y/277 V AC	Insulated only	A max. 11.0 mm (0.43")	B max. 12.2 mm (0.48")	C Suitable for M5 (0.20")
	Rated voltage 240/240 V AC	Insulated only	A max. 14.0 mm (0.55")	B max. 12.2 mm (0.48")	C Suitable for M5 (0.20")

CU only
60/75°C
(140/167°F)

PZ 2 Torque: 2.8 Nm (25lb-in)

max. 2.0 mm
(0.08")

Accessories

S200, S200P, and S200MUC

UL 1077, CSA 22.2 No. 235 (suitable for cutting)

Busbars (suitable for cutting) UL 1077 suitable for MCBs S200 and S200P

1-phase busbars, pin distance 17.6 mm, end caps PS-END 0

Number of pins	Phases	mm ²	Catalog number
60	1	10	PS 1/60 SP
60	1	16	PS 1/60/16 SP

1-phase busbars, connection of 1-pole devices with auxiliary, PS-END 0

Number of pins	Phases	mm ²	Catalog number
38	1	10	PS 1/38H SP
38	1	16	PS 1/38/16H SP

2-phase busbars, pin distance 17.6 mm, end caps PS-END SP

Number of pins	Phases	mm ²	Catalog number
58	2	10	PS 2/58 SP
58	2	16	PS 2/58/16 SP

2-phase busbars, connection of 2-pole devices with auxiliary, end caps PS-END SP

Number of pins	Phases	mm ²	Catalog number
48	2	16	PS 2/48/16 HSP

3-phase busbars, pin distance 17.6 mm, end caps PS-END SP

Number of pins	Phases	mm ²	Catalog number
60	3	10	PS 3/60 SP
60	3	16	PS 3/60/16 SP

3-phase busbars, connection of 3-pole devices with auxiliary, end caps PS-END SP

Number of pins	Phases	mm ²	Catalog number
48	3	16	PS 3/48/16 HSP

4-phase busbars, pin distance 17.6 mm, PS-END 1 SP

No. of pins	Phases	mm ²	Catalog number
60	4	16	PS 4/60/16 SP

4-phase busbars, connection of 4-pole devices with auxiliary, end caps PS-END 1 SP

Number of pins	Phases	mm ²	Catalog number
52	4	16	PS 4/52/16H SP

Accessories

S200, S200P, and S200MUC

UL 1077, CSA 22.2 No. 235 (suitable for cutting)

Busbars (suitable for cutting) UL 1077 suitable for MCBs S200 and S200P

4-phase busbars, connection of 1+N and RCBO, end caps PS-END 1 SP

Number of pins	Phases	mm ²	Catalog number
58	4	16	PS4/58/16N SP

Shock-protection caps for PS...SP (UL 1077)

Number of pins	Phases	mm ²	Catalog number
	5 parts		BSK SP

Feeder terminals for PS...SP (UL 1077)

Terminal, insulated with pin contact

Conn. capacity mm ²	Catalog number
35	AST 35/15 SP

Feeder Terminal single-pole terminal, can be mounted side by side, feed on the pin of the busbar

Conn. capacity mm ²	Catalog number
50	SZ-ESK SP

Suitable for MCBs S 200 and S200 P - UL 1077 (Supplementary protectors)

Technical specifications

		Feeder terminals SZ-ESK SP, AST 35/15 SP
Max. operating voltage		480 VAC
Max. current		115 A ¹⁾
Protection degree		IP 20
Wire range	SZ-ESK SP:	35 mm ² / 2AWG flexible with ferrule 50 mm ² / 1AWG solid/stranded
	AST 35/15 SP:	25 mm ² / 3AWG flexible with ferrule 35 mm ² / 2AWG solid/stranded

¹⁾Regardless of the rated current of the feeder terminal the maximum current rating of the device terminal.

Technical specifications

S200, S200P, S200MR, S200MUC—UL 1077, CSA 22.2 No. 235

Technical specifications

	S200	S200P	S200MR	S200MUC
Number of poles	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4
Trip curves	B, C, D, K, Z	B, C, D, K, Z	K	C, K, Z
Rated current	0.5-63 A	0.2-63 A	0.2-63 A	0.2-63 A
Rated voltage	277/Y480 VAC 60/110 VDC (1/2-pole)	277/Y480 VAC	277/Y480 VAC	277/Y480 VAC 250/500 VDC (1/2-pole)
Short circuit interrupt rating	6 kA	10 kA (up to 25 A) 6 kA (32-63 A)	10 kA	10 kA (DC) 6 kA (AC)
Calibration temperature	25 °C	25 °C	25 °C	25 °C
Protection degree	IP 20	IP 20	IP 20	IP 20
Mounting position	Any	Any	Any	Any
Mounting/installation	35 mm DIN rail	35 mm DIN rail	35 mm DIN rail	35 mm DIN rail
Terminal/cable size	AWG 18-4	AWG 18-4	AWG 18-4	AWG 18-4
Service life, mechanical	20,000 operations	20,000 operations	20,000 operations	20,000 operations
Ambient temperature	-25 °C to +55 °C	-25 °C to +55 °C	-25 °C to +55 °C	-25 °C to +55 °C
Shock resistance (IEC 60068-2-27)	25 g - 2 shocks - 13 ms	25 g - 2 shocks - 13 ms	25 g - 2 shocks - 13 ms	25 g - 2 shocks - 13 ms

Auxiliary contact S2C-H6R and signal contact S2C-S6R

Rated current	10
Rated voltage AC/DC	24
Contact	1 pole, single throw
Connection capacity mm ²	18-14 AWG (0.75...2.5)
Tightening torque	11 in. lbs (1.2 Nm)
Shock resistance acc. to DIN IEC 68-2-6	5 g, 20 frequency cycles 5...150...5 Hz at 24 VAC/DC, 5 mA auto-reclosing < 10 ms
Mechanical service life	10,000 operations

Shunt trip

		S2C-A1	S2C-A2
Rated voltage	AC	12...60 V	110...415 V
	DC	12...60 V	110...250 V
Maximum release duration		<10 ms	<10 ms
Minimum release voltage	AC	7 V	55 V
	DC	10 V	80 V
Consumption on release	AC	40...200 VA	55...210 VA
	DC	40...200 VA	55...110 VA
Coil resistance		3.7 Ω	225 Ω
Terminals		18...6/0.75-16 AWG/mm ²	18...6/0.75-16 AWG/mm ²
Tightening torque		18/2 in. lbs/Nm	18/2 in. lbs/Nm

Undervoltage release

		S2C-UA 12 DC	S2C-UA 24 AC	S2C-UA 24 DC	S2C-UA 48 AC	S2C-UA 48 DC	S2C-UA 110 AC	S2C-UA 110 DC	S2C-UA 230 AC	S2C-UA 230 DC	S2C-UA 400 AC
Standards		IEC/EN 60947-1110...415 V									
Rated voltage	AC		24 V		48 V		110 V		230 AC		400 V
	DC	12 V		24 V		48 V		110 V		230 V	
Frequency		50 ... 60 HZ									
Release trip		0.35 UnOVO 0.7 Un V									
Terminals		2 x 16/2 x 1.5 AWG/mm ²									
Consumption		0.2 VA	3.6 VA	2 VA	3.6 VA	2.1 VA	3.5 VA	2.2 VA	3.7 VA	2.3 VA	2.4 VA
Resistance to corrosion		constant atmosphere: 23/83 – 40/93 – 55/20; variable atmosphere: 25/95 – 40/93 °C/RH									
Protection degree		IPXXB / IP2X									
Tightening torque		3.5/0.4 in. lbs/Nm									

Technical specifications

S200, S200P, and S200MR—UL 1077, CSA 22.2 No. 235

Internal resistance and power loss per pole

Internal resistance per pole in mΩ, power loss per pole in W.

S200 and S200P

Type	Rated current	Device series		Device series		Device series	
	I _n	B, C, D ¹⁾		K		Z	
S200 and S200P	A	mΩ	W	mΩ	W	mΩ	W
	0.5	5500	1.4	6340	1.6	10100	2.5
	1	1440	1.4	1550	1.6	2270	2.3
	1.6	630	1.6	695	1.8	1100	2.8
	2	460	1.8	460	1.9	619	2.5
	3	150	1.3	165	1.5	202	1.8
	4	110	1.8	120	2.0	149	2.4
	6	55	2.0	52	1.9	104	3.7
	8	15	1.0	38	1.5	53.9	3.45
	10	13.3	1.3	12.6	2.0	17.5	1.7
	13	13.3	2.3	12.6	1.26	—	—
	16	7.0	1.8	7.7	2.0	10.9	2.8
	20	6.25	2.5	6.7	2.7	6.0	2.4
	25	5.0	3.2	4.6	2.9	4.1	2.6
	32	3.6	3.7	3.5	3.6	2.8	2.9
	40	3.0	4.8	2.8	4.5	2.5	4.1
	50	1.3	3.25	1.25	2.9	1.8	4.4
	63	1.2	4.8	0.7	5.2	1.3	5.2

¹⁾Current intensities 0.5-4 apply exclusively to C-type trip characteristics.

S200MR

Rated current	Internal resistance	Power loss
A	per pole	per pole
	mΩ	W
0.2	25300	1.01
0.3	13700	1.23
0.5	4740	1.19
0.75	2067	1.16
1	1270	1.27
1.5	610	1.56
2	442	1.77
3	140	1.26
4	109	1.75
5	50	1.26
6	54	1.94
8	22	1.41
10	18.2	1.82
13	14.8	2.50
15	8.1	1.83
16	11.1	2.83
20	8.5	3.40
25	5.5	3.43
30	3.8	3.39
32	4.6	4.70
35	3.9	4.76
40	2.8	4.40
50	1.7	4.25
60	1.7	6.18
63	1.9	7.56

Temperature derating

Max operating current depending on the ambient temperature of a circuit breaker characteristics type B, C and D

B, C, D, K, and Z	Ambient temperatures T (C°/F°)											
	-40/-40	-30/-22	-20/-4	-10/14	0/32	10/50	20/68	30/86	40/104	50/122	60/140	70/158
Amps	0.67	0.65	0.62	0.60	0.58	0.55	0.53	0.50	0.47	0.44	0.41	0.37
	1.33	1.29	1.25	1.20	1.15	1.11	1.05	1.00	0.94	0.88	0.82	0.75
	2.13	2.07	2.00	1.92	1.85	1.77	1.69	1.60	1.51	1.41	1.31	1.19
	2.67	2.58	2.49	2.40	2.31	2.21	2.11	2.00	1.89	1.76	1.63	1.49
	4.0	3.9	3.7	3.6	3.5	3.3	3.2	3.0	2.8	2.6	2.4	2.2
	5.3	5.2	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.5	3.3	3.0
	8.0	7.7	7.5	7.2	6.9	6.6	6.3	6.0	5.7	5.3	4.9	4.5
	10.7	10.3	10.0	9.6	9.2	8.8	8.4	8.0	7.5	7.1	6.5	6.0
	13.3	12.9	12.5	12.0	11.5	11.1	10.5	10.0	9.4	8.8	8.2	7.5
	17.3	16.8	16.2	15.6	15.0	14.4	13.7	13.0	12.3	11.5	10.6	9.7
	21.3	20.7	20.0	19.2	18.5	17.7	16.9	16.0	15.1	14.1	13.1	11.9
	26.7	25.8	24.9	24.0	23.1	22.1	21.1	20.0	18.9	17.6	16.3	14.9
	33.3	32.3	31.2	30.0	28.9	27.6	26.4	25.0	23.6	22.0	20.4	18.6
	42.7	41.3	39.9	38.5	37.0	35.4	33.7	32.0	30.2	28.2	26.1	23.9
	53.3	51.6	49.9	48.1	46.2	44.2	42.2	40.0	37.7	35.3	32.7	29.8
	66.7	64.5	62.4	60.1	57.7	55.3	52.7	50.0	47.1	44.1	40.8	37.3
	84.0	81.3	78.6	75.7	72.7	69.6	66.4	63.0	59.4	55.6	51.4	47.0
	112.6	107.2	102.1	97.2	92.6	88.2	84.0	80.0	76.0	72.2	68.6	65.2
	140.7	134.0	127.6	121.6	115.8	110.3	105.0	100.0	95.0	90.3	85.7	81.5
	175.9	167.5	159.5	151.9	144.7	137.8	131.3	125.0	118.8	113.8	107.2	101.8

Miniature circuit breaker S200MUC

Use of MCBs in direct current circuits

S200MUC miniature circuit breakers can be used in the 1 pole version at 250 VDC, and in the 2-pole or 4-pole version with series connection of two poles up to 500 VDC.

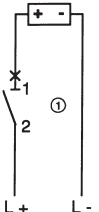
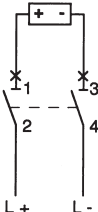
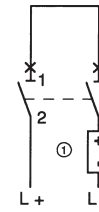
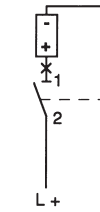
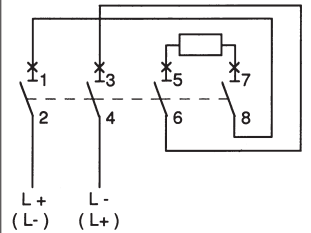
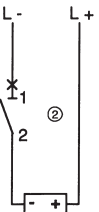
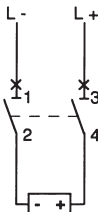
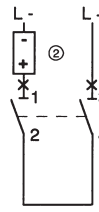
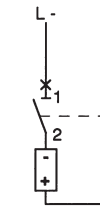
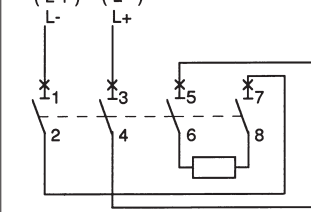
S200MUC differs from the standard S200 type. It is equipped with permanent magnets that assist in the forced extinguishing of the arc.

If voltages to ground exceeding 250 VDC occur, 2-pole S200MUC should be used for one-pole disconnection and four-pole S200MUC for all-pole disconnection.

For DC incoming supply from above

S200MUC MCBs have permanent magnets in the area of arc chutes. Therefore, it is necessary to take into account the polarity during the installation process. In the case of a short circuit, the magnetic field of the permanent magnets corresponds with the electromagnetic field of the short-circuit current, therefore, safely leading the short circuit into the arc chute. Incorrect polarities may cause damage to the MCB. As a result for top-fed devices, terminal 1 must be connected to (-) and terminal 3 to (+).

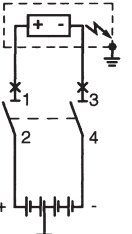
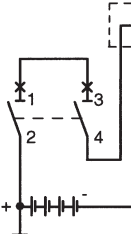
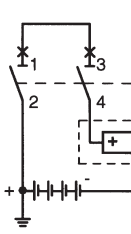
Examples of permissible voltages between the conductors depending on the number of poles and circuit layout:

Voltage between conductors U_n	250 VDC	500 VDC	500 VDC	500 VDC	500 VDC
Voltage between conductor and ground U_n	250 VDC	250 VDC	500 VDC	250 VDC	250 VDC
MCB	1-pole S201MUC	2-pole S202MUC	2-pole S202MUC	2-pole S202MUC	4-pole S204MUC
Supply from below					
Supply from above					

1 in the circuit diagram, the negative pole is earthed.

2 in the circuit diagram, the positive pole is earthed.

Examples of permissible voltages between the conductors depending on the number of poles and circuit layout:

Voltage between conductors U_n	500 VDC all-pole disconnection	500 VDC 1-pole disconnection	500 VDC all-pole disconnection
Voltage between conductor and ground U_n	250 VDC— circuit symmetrically grounded	250 VDC— unsymmetrically grounded	250 VDC— circuit ungrounded or unsymmetrically grounded
MCB	2-pole S202MUC	2-pole S202MUC	4-pole S204MUC
Supply from below			

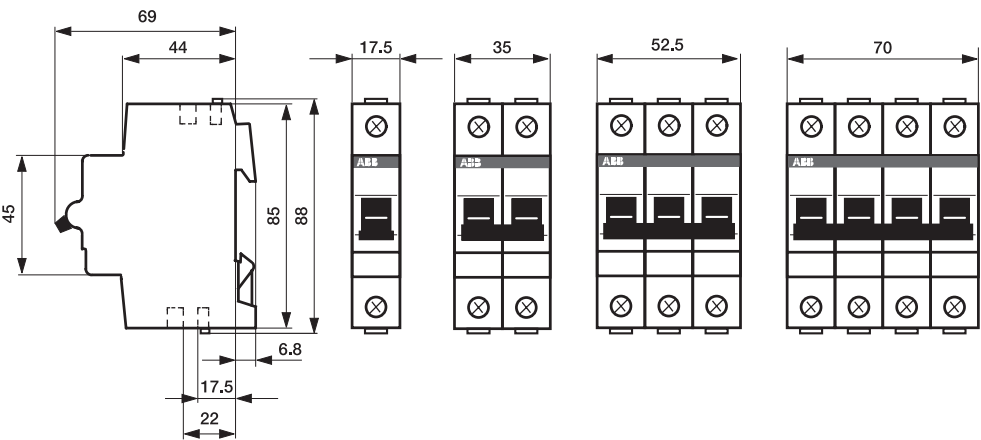
1 in the circuit diagram, the negative pole is earthed.

2 in the circuit diagram, the positive pole is earthed.

Approximate dimensions

S200, S200P, S200MR, and S200MUC—UL 1077, CSA 22.2 No. 235

S200, S200P, S200MUC



S200MR

