ST200M, S200MUC, S200MR series
UL 1077 series

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

The UL 1077 MCBs are 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 trip curves.

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

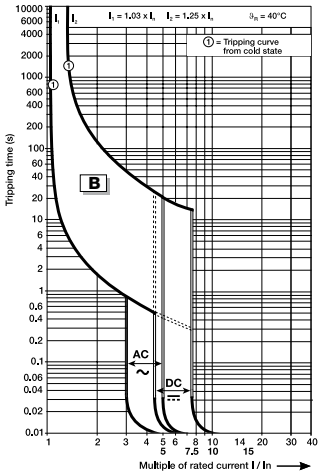
Features
- Energy limiting
- Fast breaking time (2.3–2.5 ms)
- Bus connection system
- Wide range of accessories
- Available with variable depth handle mechanism
- CE certified and marked
- DIN rail mounting
- Finger-safe terminals
- Multi-function terminals
- Suitable for reverse feed
- UL 1077 recognized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

	ST200M	S200MR	S200MUC
Amperage	Up to 63 A	Up to 63 A	Up to 63 A
Voltage	277/Y480 V AC	277/Y480 V AC	277/Y480 V AC
	60/125 V DC (1/2-pole)		250/500 V DC (1/2-pole)
Poles	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4
Trip curves	B, C, D, K, Z	K	C, K, Z
Short circuit interrupt rating	Up to 10 kA	10 kA	10 kA
Auxiliary contacts	Yes	Yes	Yes
Bell alarm	Yes	Yes	Yes
Shunt trip	Yes	Yes	Yes
Undervoltage release	Yes	Yes	Yes
Busbar	Yes	Yes	Yes

ST200M-B

Supplemental protectors — UL 1077, CSA 22.2 No. 235

Diagram



Number of poles	Rated current I_n A	Cat. no.	Number of poles	Rated current I_n A	Cat. no.
1	0.5	ST201M-B0.5	2	0.5	ST202M-B0.5
	1	ST201M-B1		1	ST202M-B1
	1.6	ST201M-B1.6		1.6	ST202M-B1.6
	2	ST201M-B2		2	ST202M-B2
	3	ST201M-B3		3	ST202M-B3
	4	ST201M-B4		4	ST202M-B4
	5	ST201M-B5		5	ST202M-B5
	6	ST201M-B6		6	ST202M-B6
	7	ST201M-B7		7	ST202M-B7
	8	ST201M-B8		8	ST202M-B8
	10	ST201M-B10		10	ST202M-B10
	13	ST201M-B13		13	ST202M-B13
	15	ST201M-B15		15	ST202M-B15
	16	ST201M-B16		16	ST202M-B16
	20	ST201M-B20		20	ST202M-B20
	25	ST201M-B25		25	ST202M-B25
	30	ST201M-B30		30	ST202M-B30
	32	ST201M-B32		32	ST202M-B32
	35	ST201M-B35		35	ST202M-B35
	40	ST201M-B40		40	ST202M-B40
	50	ST201M-B50		50	ST202M-B50
	60	ST201M-B60		60	ST202M-B60
	63	ST201M-B63		63	ST202M-B63
1+NA	0.5	ST201M-B0.5NA	3	0.5	ST203M-B0.5
	1	ST201M-B1NA		1	ST203M-B1
	1.6	ST201M-B1.6NA		1.6	ST203M-B1.6
	2	ST201M-B2NA		2	ST203M-B2
	3	ST201M-B3NA		3	ST203M-B3
	4	ST201M-B4NA		4	ST203M-B4
	5	ST201M-B5NA		5	ST203M-B5
	6	ST201M-B6NA		6	ST203M-B6
	7	ST201M-B7NA		7	ST203M-B7
	8	ST201M-B8NA		8	ST203M-B8
	10	ST201M-B10NA		10	ST203M-B10
	13	ST201M-B13NA		13	ST203M-B13
	15	ST201M-B15NA		15	ST203M-B15
	16	ST201M-B16NA		16	ST203M-B16
	20	ST201M-B20NA		20	ST203M-B20
	25	ST201M-B25NA		25	ST203M-B25
	30	ST201M-B30NA		30	ST203M-B30
	32	ST201M-B32NA		32	ST203M-B32
	35	ST201M-B35NA		35	ST203M-B35
	40	ST201M-B40NA		40	ST203M-B40
	50	ST201M-B50NA		50	ST203M-B50
	60	ST201M-B60NA		60	ST203M-B60
	63	ST201M-B63NA		63	ST203M-B63

ST200M-B (cont.)

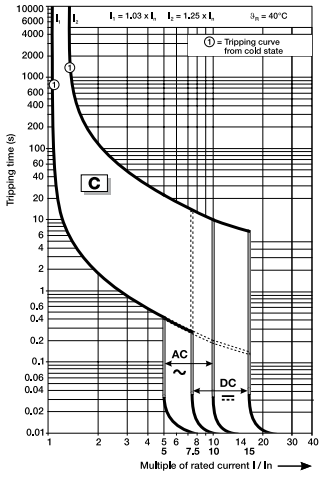
Supplemental protectors — UL 1077, CSA 22.2 No. 235

Number of poles	Rated current I_n A	Cat. no.	Number of poles	Rated current I_n A	Cat. no.
3+NA	0.5	ST203M-B0.5NA	4	0.5	ST204M-B0.5
	1	ST203M-B1NA		1	ST204M-B1
	1.6	ST203M-B1.6NA		1.6	ST204M-B1.6
	2	ST203M-B2NA		2	ST204M-B2
	3	ST203M-B3NA		3	ST204M-B3
	4	ST203M-B4NA		4	ST204M-B4
	5	ST203M-B5NA		5	ST204M-B5
	6	ST203M-B6NA		6	ST204M-B6
	7	ST203M-B7NA		7	ST204M-B7
	8	ST203M-B8NA		8	ST204M-B8
	10	ST203M-B10NA		10	ST204M-B10
	13	ST203M-B13NA		13	ST204M-B13
	15	ST203M-B15NA		15	ST204M-B15
	16	ST203M-B16NA		16	ST204M-B16
	20	ST203M-B20NA		20	ST204M-B20
	25	ST203M-B25NA		25	ST204M-B25
	30	ST203M-B30NA		30	ST204M-B30
	32	ST203M-B32NA		32	ST204M-B32
	35	ST203M-B35NA		35	ST204M-B35
	40	ST203M-B40NA		40	ST204M-B40
	50	ST203M-B50NA		50	ST204M-B50
	60	ST203M-B60NA		60	ST204M-B60
	63	ST203M-B63NA		63	ST204M-B63

ST200M-C

Supplemental protectors — UL 1077, CSA 22.2 No. 235

Diagram



Number of poles	Rated current I_n A	Cat. no.	Number of poles	Rated current I_n A	Cat. no.
1	0.5	ST201M-C0.5	2	0.5	ST202M-C0.5
	1	ST201M-C1		1	ST202M-C1
	1.6	ST201M-C1.6		1.6	ST202M-C1.6
	2	ST201M-C2		2	ST202M-C2
	3	ST201M-C3		3	ST202M-C3
	4	ST201M-C4		4	ST202M-C4
	5	ST201M-C5		5	ST202M-C5
	6	ST201M-C6		6	ST202M-C6
	7	ST201M-C7		7	ST202M-C7
	8	ST201M-C8		8	ST202M-C8
	10	ST201M-C10		10	ST202M-C10
	13	ST201M-C13		13	ST202M-C13
	15	ST201M-C15		15	ST202M-C15
	16	ST201M-C16		16	ST202M-C16
	20	ST201M-C20		20	ST202M-C20
	25	ST201M-C25		25	ST202M-C25
	30	ST201M-C30		30	ST202M-C30
	32	ST201M-C32		32	ST202M-C32
	35	ST201M-C35		35	ST202M-C35
	40	ST201M-C40		40	ST202M-C40
	50	ST201M-C50		50	ST202M-C50
	60	ST201M-C60		60	ST202M-C60
	63	ST201M-C63		63	ST202M-C63
1+NA	0.5	ST201M-C0.5NA	3	0.5	ST203M-C0.5
	1	ST201M-C1NA		1	ST203M-C1
	1.6	ST201M-C1.6NA		1.6	ST203M-C1.6
	2	ST201M-C2NA		2	ST203M-C2
	3	ST201M-C3NA		3	ST203M-C3
	4	ST201M-C4NA		4	ST203M-C4
	5	ST201M-C5NA		5	ST203M-C5
	6	ST201M-C6NA		6	ST203M-C6
	7	ST201M-C7NA		7	ST203M-C7
	8	ST201M-C8NA		8	ST203M-C8
	10	ST201M-C10NA		10	ST203M-C10
	13	ST201M-C13NA		13	ST203M-C13
	15	ST201M-C15NA		15	ST203M-C15
	16	ST201M-C16NA		16	ST203M-C16
	20	ST201M-C20NA		20	ST203M-BC20
	25	ST201M-C25NA		25	ST203M-C25
	30	ST201M-C30NA		30	ST203M-C30
	32	ST201M-C32NA		32	ST203M-C32
	35	ST201M-C35NA		35	ST203M-C35
	40	ST201M-C40NA		40	ST203M-C40
	50	ST201M-C50NA		50	ST203M-C50
	60	ST201M-C60NA		60	ST203M-C60
	63	ST201M-C63NA		63	ST203M-C63

ST200M-C (cont.)

Supplemental protectors — UL 1077, CSA 22.2 No. 235

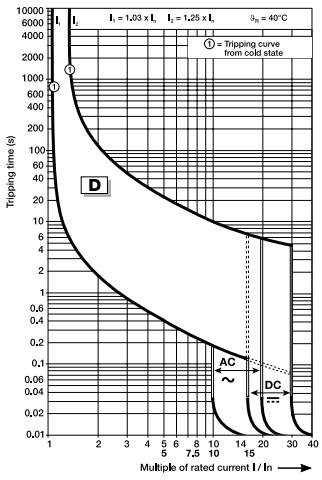
Number of poles	Rated current I_n A	Cat. no.	Number of poles	Rated current I_n A	Cat. no.
3+NA	0.5	ST203M-C0.5NA	4	0.5	ST204M-C0.5
	1	ST203M-C1NA		1	ST204M-C1
	1.6	ST203M-C1.6NA		1.6	ST204M-C1.6
	2	ST203M-C2NA		2	ST204M-C2
	3	ST203M-C3NA		3	ST204M-C3
	4	ST203M-C4NA		4	ST204M-C4
	5	ST203M-C5NA		5	ST204M-C5
	6	ST203M-C6NA		6	ST204M-C6
	7	ST203M-C7NA		7	ST204M-C7
	8	ST203M-C8NA		8	ST204M-C8
	10	ST203M-C10NA		10	ST204M-C10
	13	ST203M-C13NA		13	ST204M-C13
	15	ST203M-C15NA		15	ST204M-C15
	16	ST203M-C16NA		16	ST204M-C16
	20	ST203M-C20NA		20	ST204M-C20
	25	ST203M-C25NA		25	ST204M-C25
	30	ST203M-C30NA		30	ST204M-C30
	32	ST203M-C32NA		32	ST204M-C32
	35	ST203M-C35NA		35	ST204M-C35
	40	ST203M-C40NA		40	ST204M-C40
	50	ST203M-C50NA		50	ST204M-C50
	60	ST203M-C60NA		60	ST204M-C60
	63	ST203M-C63NA		63	ST204M-C63

ST200M-D

Supplemental protectors — UL 1077, CSA 22.2 No. 235

Number of poles	Rated current I_n A	Cat. no.	Number of poles	Rated current I_n A	Cat. no.
1	0.5	ST201M-D0.5	2	0.5	ST202M-D0.5
	1	ST201M-D1		1	ST202M-D1
	1.6	ST201M-D1.6		1.6	ST202M-D1.6
	2	ST201M-D2		2	ST202M-D2
	3	ST201M-D3		3	ST202M-D3
	4	ST201M-D4		4	ST202M-D4
	5	ST201M-D5		5	ST202M-D5
	6	ST201M-D6		6	ST202M-D6
	7	ST201M-D7		7	ST202M-D7
	8	ST201M-D8		8	ST202M-D8
	10	ST201M-D10		10	ST202M-D10
	13	ST201M-D13		13	ST202M-D13
	15	ST201M-D15		15	ST202M-D15
	16	ST201M-D16		16	ST202M-D16
	20	ST201M-D20		20	ST202M-D20
	25	ST201M-D25		25	ST202M-D25
	30	ST201M-D30		30	ST202M-D30
	32	ST201M-D32		32	ST202M-D32
	35	ST201M-D35		35	ST202M-D35
	40	ST201M-D40		40	ST202M-D40
	50	ST201M-D50		50	ST202M-D50
	60	ST201M-D60		60	ST202M-D60
	63	ST201M-D63		63	ST202M-D63
1+NA	0.5	ST201M-D0.5NA	3	0.5	ST203M-D0.5
	1	ST201M-D1NA		1	ST203M-D1
	1.6	ST201M-D1.6NA		1.6	ST203M-D1.6
	2	ST201M-D2NA		2	ST203M-D2
	3	ST201M-D3NA		3	ST203M-D3
	4	ST201M-D4NA		4	ST203M-D4
	5	ST201M-D5NA		5	ST203M-D5
	6	ST201M-D6NA		6	ST203M-D6
	7	ST201M-D7NA		7	ST203M-D7
	8	ST201M-D8NA		8	ST203M-D8
	10	ST201M-D10NA		10	ST203M-D10
	13	ST201M-D13NA		13	ST203M-D13
	15	ST201M-D15NA		15	ST203M-D15
	16	ST201M-D16NA		16	ST203M-D16
	20	ST201M-D20NA		20	ST203M-D20
	25	ST201M-D25NA		25	ST203M-D25
	30	ST201M-D30NA		30	ST203M-D30
	32	ST201M-D32NA		32	ST203M-D32
	35	ST201M-D35NA		35	ST203M-D35
	40	ST201M-D40NA		40	ST203M-D40
	50	ST201M-D50NA		50	ST203M-D50
	60	ST201M-D60NA		60	ST203M-D60
	63	ST201M-D63NA		63	ST203M-D63

Diagram



ST200M-D (cont.)

Supplemental protectors — UL 1077, CSA 22.2 No. 235

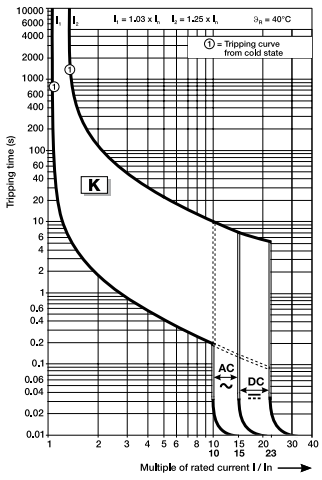
Number of poles	Rated current I_n A	Cat. no.	Number of poles	Rated current I_n A	Cat. no.
3+NA	0.5	ST203M-D0.5NA	4	0.5	ST204M-D0.5
	1	ST203M-D1NA		1	ST204M-D1
	1.6	ST203M-D1.6NA		1.6	ST204M-D1.6
	2	ST203M-D2NA		2	ST204M-D2
	3	ST203M-D3NA		3	ST204M-D3
	4	ST203M-D4NA		4	ST204M-D4
	5	ST203M-D5NA		5	ST204M-D5
	6	ST203M-D6NA		6	ST204M-D6
	7	ST203M-D7NA		7	ST204M-D7
	8	ST203M-D8NA		8	ST204M-D8
	10	ST203M-D10NA		10	ST204M-D10
	13	ST203M-D13NA		13	ST204M-D13
	15	ST203M-D15NA		15	ST204M-D15
	16	ST203M-D16NA		16	ST204M-D16
	20	ST203M-D20NA		20	ST204M-D20
	25	ST203M-D25NA		25	ST204M-D25
	30	ST203M-D30NA		30	ST204M-D30
	32	ST203M-D32NA		32	ST204M-D32
	35	ST203M-D35NA		35	ST204M-D35
	40	ST203M-D40NA		40	ST204M-D40
	50	ST203M-D50NA		50	ST204M-D50
	60	ST203M-D60NA		60	ST204M-D60
	63	ST203M-D63NA		63	ST204M-D63

ST200M-K

Supplemental protectors — UL 1077, CSA 22.2 No. 235

	Number of poles	Rated current I_n A	Cat. no.	Number of poles	Rated current I_n A	Cat. no.
	1	0.5	ST201M-K0.5	2	0.5	ST202M-K0.5
		1	ST201M-K1		1	ST202M-K1
		1.6	ST201M-K1.6		1.6	ST202M-K1.6
		2	ST201M-K2		2	ST202M-K2
		3	ST201M-K3		3	ST202M-K3
		4	ST201M-K4		4	ST202M-K4
		5	ST201M-K5		5	ST202M-K5
		6	ST201M-K6		6	ST202M-K6
		7	ST201M-K7		7	ST202M-K7
		8	ST201M-K8		8	ST202M-K8
		10	ST201M-K10		10	ST202M-K10
		13	ST201M-K13		13	ST202M-K13
		15	ST201M-K15		15	ST202M-K15
		16	ST201M-K16		16	ST202M-K16
		20	ST201M-K20		20	ST202M-K20
		25	ST201M-K25		25	ST202M-K25
		30	ST201M-K30		30	ST202M-K30
		32	ST201M-K32		32	ST202M-K32
		35	ST201M-K35		35	ST202M-K35
		40	ST201M-K40		40	ST202M-K40
		50	ST201M-K50		50	ST202M-K50
		60	ST201M-K60		60	ST202M-K60
		63	ST201M-K63		63	ST202M-K63
	1+NA	0.5	ST201M-K0.5NA	3	0.5	ST203M-K0.5
		1	ST201M-K1NA		1	ST203M-K1
		1.6	ST201M-K1.6NA		1.6	ST203M-K1.6
		2	ST201M-K2NA		2	ST203M-K2
		3	ST201M-K3NA		3	ST203M-K3
		4	ST201M-K4NA		4	ST203M-K4
		5	ST201M-K5NA		5	ST203M-K5
		6	ST201M-K6NA		6	ST203M-K6
		7	ST201M-K7NA		7	ST203M-K7
		8	ST201M-K8NA		8	ST203M-K8
		10	ST201M-K10NA		10	ST203M-K10
		13	ST201M-K13NA		13	ST203M-K13
		15	ST201M-K15NA		15	ST203M-K15
		16	ST201M-K16NA		16	ST203M-K16
		20	ST201M-K20NA		20	ST203M-K20
		25	ST201M-K25NA		25	ST203M-K25
		30	ST201M-K30NA		30	ST203M-K30
		32	ST201M-K32NA		32	ST203M-K32
		35	ST201M-K35NA		35	ST203M-K35
		40	ST201M-K40NA		40	ST203M-K40
		50	ST201M-K50NA		50	ST203M-K50
		60	ST201M-K60NA		60	ST203M-K60
		63	ST201M-K63NA		63	ST203M-K63

Diagram



ST200M-K (cont.)

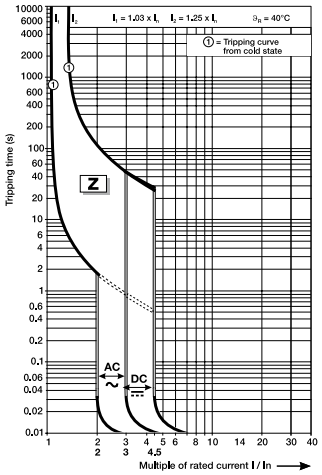
Supplemental protectors — UL 1077, CSA 22.2 No. 235

Number of poles	Rated current I_n A	Cat. no.	Number of poles	Rated current I_n A	Cat. no.
3+NA	0.5	ST203M-K0.5NA	4	0.5	ST204M-K0.5
	1	ST203M-K1NA		1	ST204M-K1
	1.6	ST203M-K1.6NA		1.6	ST204M-K1.6
	2	ST203M-K2NA		2	ST204M-K2
	3	ST203M-K3NA		3	ST204M-K3
	4	ST203M-K4NA		4	ST204M-K4
	5	ST203M-K5NA		5	ST204M-K5
	6	ST203M-K6NA		6	ST204M-K6
	7	ST203M-K7NA		7	ST204M-K7
	8	ST203M-K8NA		8	ST204M-K8
	10	ST203M-K10NA		10	ST204M-K10
	13	ST203M-K13NA		13	ST204M-K13
	15	ST203M-K15NA		15	ST204M-K15
	16	ST203M-K16NA		16	ST204M-K16
	20	ST203M-K20NA		20	ST204M-K20
	25	ST203M-K25NA		25	ST204M-K25
	30	ST203M-K30NA		30	ST204M-K30
	32	ST203M-K32NA		32	ST204M-K32
	35	ST203M-K35NA		35	ST204M-K35
	40	ST203M-K40NA		40	ST204M-K40
	50	ST203M-K50NA		50	ST204M-K50
	60	ST203M-K60NA		60	ST204M-K60
	63	ST203M-K63NA		63	ST204M-K63

ST200M-Z

Supplemental protectors — UL 1077, CSA 22.2 No. 235

Diagram



Number of poles	Rated current I_n A	Cat. no.	Number of poles	Rated current I_n A	Cat. no.
1	0.5	ST201M-Z0.5	2	0.5	ST202M-Z0.5
	1	ST201M-Z1		1	ST202M-Z1
	1.6	ST201M-Z1.6		1.6	ST202M-Z1.6
	2	ST201M-Z2		2	ST202M-Z2
	3	ST201M-Z3		3	ST202M-Z3
	4	ST201M-Z4		4	ST202M-Z4
	5	ST201M-Z5		5	ST202M-Z5
	6	ST201M-Z6		6	ST202M-Z6
	7	ST201M-Z7		7	ST202M-Z7
	8	ST201M-Z8		8	ST202M-Z8
	10	ST201M-Z10		10	ST202M-Z10
	13	ST201M-Z13		13	ST202M-Z13
	15	ST201M-Z15		15	ST202M-Z15
	16	ST201M-Z16		16	ST202M-Z16
	20	ST201M-Z20		20	ST202M-Z20
	25	ST201M-Z25		25	ST202M-Z25
	30	ST201M-Z30		30	ST202M-Z30
	32	ST201M-Z32		32	ST202M-Z32
	35	ST201M-Z35		35	ST202M-Z35
	40	ST201M-Z40		40	ST202M-Z40
	50	ST201M-Z50		50	ST202M-Z50
	60	ST201M-Z60		60	ST202M-Z60
	63	ST201M-Z63		63	ST202M-Z63
1+NA	0.5	ST201M-Z0.5NA	3	0.5	ST203M-Z0.5
	1	ST201M-Z1NA		1	ST203M-Z1
	1.6	ST201M-Z1.6NA		1.6	ST203M-Z1.6
	2	ST201M-Z2NA		2	ST203M-Z2
	3	ST201M-Z3NA		3	ST203M-Z3
	4	ST201M-Z4NA		4	ST203M-Z4
	5	ST201M-Z5NA		5	ST203M-Z5
	6	ST201M-Z6NA		6	ST203M-Z6
	7	ST201M-Z7NA		7	ST203M-Z7
	8	ST201M-Z8NA		8	ST203M-Z8
	10	ST201M-Z10NA		10	ST203M-Z10
	13	ST201M-Z13NA		13	ST203M-Z13
	15	ST201M-Z15NA		15	ST203M-Z15
	16	ST201M-Z16NA		16	ST203M-Z16
	20	ST201M-Z20NA		20	ST203M-Z20
	25	ST201M-Z25NA		25	ST203M-Z25
	30	ST201M-Z30NA		30	ST203M-Z30
	32	ST201M-Z32NA		32	ST203M-Z32
	35	ST201M-Z35NA		35	ST203M-Z35
	40	ST201M-Z40NA		40	ST203M-Z40
	50	ST201M-Z50NA		50	ST203M-Z50
	60	ST201M-Z60NA		60	ST203M-Z60
	63	ST201M-Z63NA		63	ST203M-Z63

ST200M-Z (cont.)

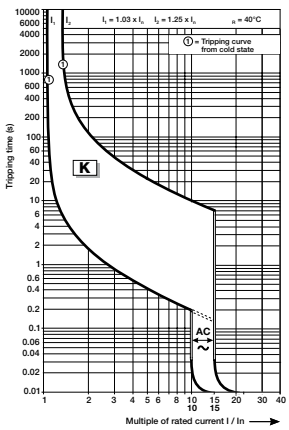
Supplemental protectors — UL 1077, CSA 22.2 No. 235

Number of poles	Rated current I_n A	Cat. no.	Number of poles	Rated current I_n A	Cat. no.
3+NA	0.5	ST203M-Z0.5NA	4	0.5	ST204M-Z0.5
	1	ST203M-Z1NA		1	ST204M-Z1
	1.6	ST203M-Z1.6NA		1.6	ST204M-Z1.6
	2	ST203M-Z2NA		2	ST204M-Z2
	3	ST203M-Z3NA		3	ST204M-Z3
	4	ST203M-Z4NA		4	ST204M-Z4
	5	ST203M-Z5NA		5	ST204M-Z5
	6	ST203M-Z6NA		6	ST204M-Z6
	7	ST203M-Z7NA		7	ST204M-Z7
	8	ST203M-Z8NA		8	ST204M-Z8
	10	ST203M-Z10NA		10	ST204M-Z10
	13	ST203M-Z13NA		13	ST204M-Z13
	15	ST203M-Z15NA		15	ST204M-Z15
	16	ST203M-Z16NA		16	ST204M-Z16
	20	ST203M-Z20NA		20	ST204M-Z20
	25	ST203M-Z25NA		25	ST204M-Z25
	30	ST203M-Z30NA		30	ST204M-Z30
	32	ST203M-Z32NA		32	ST204M-Z32
	35	ST203M-Z35NA		35	ST204M-Z35
	40	ST203M-Z40NA		40	ST204M-Z40
	50	ST203M-Z50NA		50	ST204M-Z50
	60	ST203M-Z60NA		60	ST204M-Z60
	63	ST203M-Z63NA		63	ST204M-Z63

S200MR-K with ring tongue terminals

Supplemental protectors — UL 1077, CSA 22.2 No. 235

Diagram



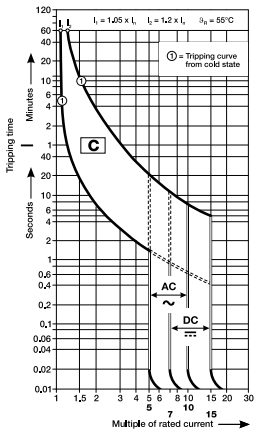
Number of poles	Rated current I_n A	Cat. no.	Number of poles	Rated current I_n A	Cat. no.
1	0.2	S201MR-K0.2	3	0.2	S203MR-K0.2
	0.3	S201MR-K0.3		0.3	S203MR-K0.3
	0.5	S201MR-K0.5		0.5	S203MR-K0.5
	0.75	S201MR-K0.75		0.75	S203MR-K0.75
	1	S201MR-K1		1	S203MR-K1
	1.6	S201MR-K1.6		1.6	S203MR-K1.6
	2	S201MR-K2		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
	35	S201MR-K35		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
2	0.2	S202MR-K0.2	4	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

Number of poles	Rated current I_n A	Cat. no.	Number of poles	Rated current I_n A	Cat. no.
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
	40	S201MUC-C40		40	S203MUC-C40
	50	S201MUC-C50		50	S203MUC-C50
	63	S201MUC-C63		63	S203MUC-C63
2	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

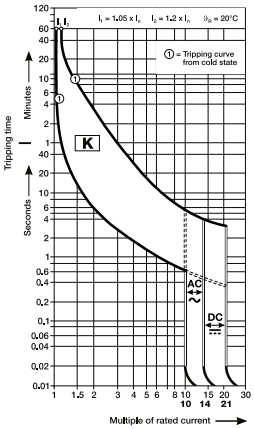
Diagram



S200MUC-K

Supplemental protectors — UL 1077, CSA 22.2 No. 235

Diagram



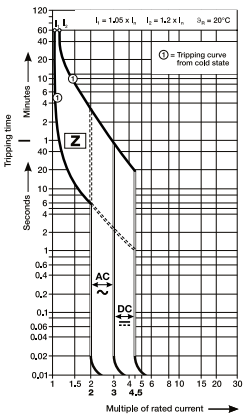
Number of poles	Rated current I_n A	Cat. no.	Number of poles	Rated current I_n A	Cat. no.
1	0.2	S201MUC-K0.2	3	0.2	S203MUC-K0.2
	0.3	S201MUC-K0.3		0.3	S203MUC-K0.3
	0.5	S201MUC-K0.5		0.5	S203MUC-K0.5
	0.75	S201MUC-KO.75		0.75	S203MUC-K0.75
	1	S201MUC-K1		1	S203MUC-K1
	1.6	S201MUC-K1.6		1.6	S203MUC-K1.6
	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
	35	S201MUC-K35		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
2	0.2	S202MUC-K0.2	4	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	Rated current I_n A	Cat. no.	Number of poles	Rated current I_n A	Cat. no.
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
	40	S201MUC-Z40		40	S203MUC-Z40
	50	S201MUC-Z50		50	S203MUC-Z50
	60	S201MUC-Z60		60	S203MUC-Z60
	63	S201MUC-Z63		63	S203MUC-Z63
2	0.5	S202MUC-Z0.5	4	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

Diagram



Accessories

ST200M, S200MR and S200MUC — UL 1077, CSA 22.2 No. 235

Auxiliary contacts

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

	Description	Cat. no.
	For field mounting: right side	
S2C-H6... 	Auxiliary contact 1 CO	S2C-H6R
	Auxiliary contact 1 NO/1 NC	S2C-H6-11R
	Auxiliary contact 2 NO	S2C-H6-20R
	Auxiliary contact 2 NC	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 over-current trip has occurred. The bell alarm also includes a test button for testing the alarm contacts without opening the breaker.

	Description	Cat. no.
	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	Cat. no.
	For field mounting: right side	
S2C-A 	A1-12-60 V AC (12–60 V DC)	S2C-A1
	A2-110-415 V AC (110–250 V DC)	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	Cat. no.
	For field mounting: right side	
S2C-UA 	12 V DC	S2C-UA12DC
	24 V AC or V DC	S2C-UA24AC or S2C-UA24DC
	48 V AC or V DC	S2C-UA48AC or S2C-UA48DC
	110 V AC or V DC	S2C-UA110AC or S2C-UA110DC
	230 V AC or V DC	S2C-UA230AC or S2C-UA230DC
	400 V AC	S2C-UA400AC

Locking device

	Description	Cat. no.
	Locking device, 3 mm	SA1
	Padlock with two keys	SA2

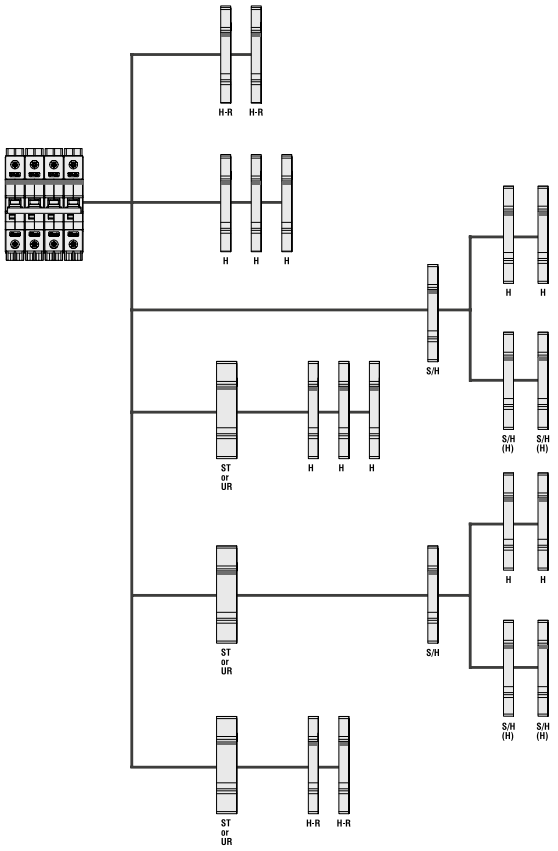
Bottom-fitted auxiliary contact

	Description	Cat. no.
	Auxiliary contact 1 NC	S2C-H01
	Auxiliary contact 1 NO	S2C-H10

Accessories

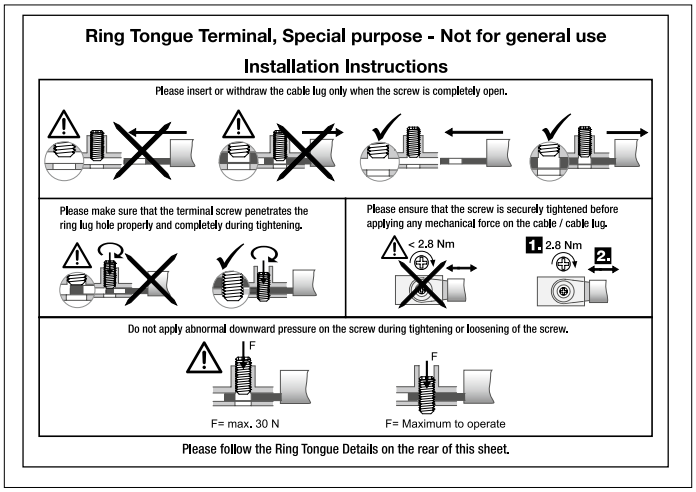
ST200M, S200MUC and S200MR — UL 1077, CSA 22.2 No. 235

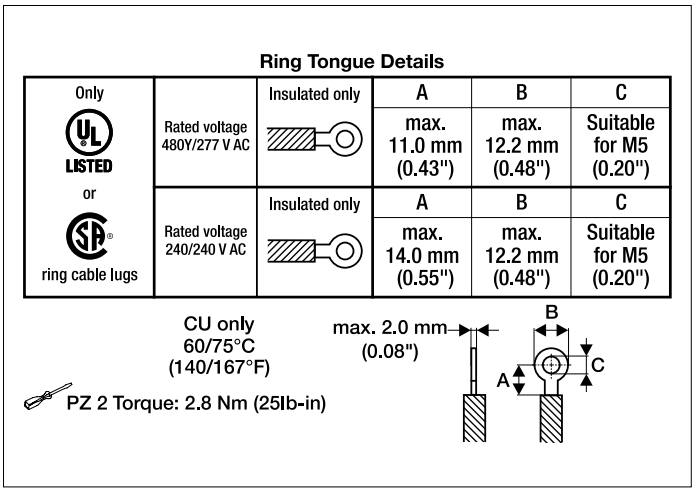
Accessory overview



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	Under-voltage release S2C-UA

SU200MR Instructions for use





Accessories

ST200M and S200MUC UL 1077, CSA 22.2 No. 235 (suitable for cutting)

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

Number of pins	Phases	mm²	Cat. no.
1-phase busbars, pin distance 17.6 mm, end caps PS-END 0			
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			
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			
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			
48	2	16	PS 2/48/16 HSP
3-phase busbars, pin distance 17.6 mm, end caps PS-END SP			
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			
48	3	16	PS 3/48/16 HSP
4-phase busbars, pin distance 17.6 mm, PS-END 1 SP			
60	4	16	PS 4/60/16 SP
4-phase busbars, connection of 4-pole devices with auxiliary, end caps PS-END 1 SP			
52	4	16	PS 4/52/16H SP
4-phase busbars, connection of 1+N and RCBO, end caps PS-END 1 SP			
58	4	16	PS4/58/16N SP
Shock-protection caps for PS...SP (UL 1077)			
–	5 parts	–	BSK SP

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

Terminal, insulated with pin contact	
Conn. capacity mm²	**Cat. no.**
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 mm²	Cat. no.
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 V AC
Max. current		115 A[1)]
Protection degree		IP20
Wire range	SZ-ESK SP:	35 mm² / 2 AWG flexible with ferrule
		50 mm² / 1 AWG solid/ stranded
	AST 35/15 SP:	25 mm² / 3 AWG flexible with ferrule
		35 mm² / 2 AWG solid/ stranded

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

Technical specifications

ST200M, S200MR, S200MUC — UL 1077, CSA 22.2 No. 235

Technical specifications

	ST200M	S200MR	S200MUC
Number of poles	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4
Trip curves	B, C, D, K, Z	K	C, K, Z
Rated current	0.5–63 A	0.2–63 A	0.2–63 A
Rated voltage	277/Y480 V AC	277/Y480 V AC	277/Y480 V AC
	60/125 V DC (1/2-pole)		250/500 V DC (1/2-pole)
Short circuit interrupt rating	10 kA at 480Y/277 V AC (up to 32 A) 5 kA at 480Y/277 V AC (35 to 63 A) 10 kA at 240 V AC, 60/125 V DC	10 kA	10 kA (DC) 6 kA (AC)
Calibration temperature	40 °C	25 °C	25 °C
Protection degree	IP20	IP20	IP20
Mounting position	Any	Any	Any
Mounting/installation	35 mm DIN rail	35 mm DIN rail	35 mm DIN rail
Terminal/cable size	18–4 AWG	18–4 AWG	18–4 AWG
Service life, mechanical	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
Shock resistance (IEC 60068-2-27)	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 (A)	10
Rated voltage V AC/DC	24
Contact	1 pole, single throw
Connection capacity	18–14 AWG (0.75–2.5 mm^2)
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 V AC/DC, 5 mA auto-reclosing < 10 ms
Mechanical service life	10,000 operations

Technical specifications

ST200M, S200MR, S200MUC — UL 1077, CSA 22.2 No. 235

Shunt trip

	S2C-A1	S2C-A2
Rated voltage	12–60 V AC	110–415 V
	12–60 V DC	110–250 V
Maximum release duration	<10 ms	<10 ms
Minimum release voltage	7 V AC	55 V AC
	10 V DC	80 V DC
Consumption on release	40–200 VA AC	55–210 VA AC
	40–200 VA DC	55–110 VA DC
Coil resistance	3.7 V	225 V
Terminals	18–6 AWG/0.75–16 mm²	18–6 AWG/0.75–16 mm²
Tightening torque	18/2 in. lbs/Nm	18/2 in. lbs/Nm

Under-voltage 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 AWG/2 x 1.5 mm²
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 lbs./0.4 in. Nm

Technical specifications

ST200M and S200MR — UL 1077, CSA 22.2 No. 235

Internal resistance and power loss per pole
Internal resistance per pole in mV, power loss per pole in W.

ST200M internal resistance and power loss per pole

	B. C. K		D		Z	
Rated current	Internal resistance per pole	Power loss	Internal resistance per pole	Power loss	Internal resistance per pole	Power loss
I_n [A]	R_i [mOhm]	P_v [W]	R_i	P_v	R_i	P_v
0.5	5500	1.4	4300	1.1	8100	2.4
1	1440	1.4	1250	1.25	2100	2.3
1.6	645	1.8	600	1.5	1000	2.8
2	460	1.8	410	1.7	620	2.5
3	150	1.6	130	1.2	235	2.4
4	110	1.8	105	1.7	150	2.4
5	55	1.4	52	1.3	75	1.9
6	55	2.0	52	1.9	75	3.2
7	24	1.2	26	1.3	28	1.4
8	23	1.5	24	1.5	27	2.0
10	21	2.2	16	1.6	24	2.7
13	14	2.3	14	2.2	15	2.6
15	8.5	2	8.5	2	11	2.5
16	8.5	2.5	8.5	2.5	10.9	2.8
20	6.25	2.5	6.1	2.3	6.0	2.4
25	5.0	3.2	4.3	3.1	4.5	3.3
30	3.5	3.1	3.5	3.2	3.5	3.2
32	3.5	3.7	3.5	3.6	3.5	3.6
35	3.4	4.2	3.4	4.2	3.5	4.3
40	3.0	4.8	2.2	4.2	2.5	4.1
50	1.8	4.3	1.3	2.9	1.5	4.1
60	1.2	4.4	1.2	4.4	1.3	4.7
63	1.2	5.5	1.2	4.8	1.3	5.2

S200MR internal resistance and power loss per pole

Rated current	Internal resistance per pole	Power loss per pole
A	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

Rated current	Internal resistance per pole	Power loss per pole
A	mΩ	W
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

Technical specifications

ST200M and S200MR — UL 1077, CSA 22.2 No. 235

Temperature derating

Max. operating current depending on the ambient temperature.

ST200M temperature rating

UL 1077												Ambient temperature (°C)
I_n (A)	-40	-30	-20	-10	0	10	20	30	40	50	60	70
0.5	0.65	0.63	0.61	0.59	0.57	0.56	0.54	0.52	0.50	0.48	0.46	0.44
1	1.30	1.26	1.22	1.19	1.15	1.11	1.07	1.04	1.00	0.96	0.93	0.89
1.6	2.06	2.01	1.96	1.90	1.84	1.78	1.72	1.66	1.60	1.54	1.48	1.42
2	2.60	2.52	2.44	2.37	2.30	2.22	2.15	2.07	2.00	1.93	1.85	1.78
3	3.89	3.78	3.67	3.56	3.44	3.33	3.22	3.11	3.00	2.89	2.78	2.67
4	5.19	5.04	4.89	4.74	4.59	4.44	4.30	4.15	4.00	3.85	3.70	3.56
5	6.50	6.31	6.13	5.94	5.75	5.56	5.38	5.00	5.00	4.81	4.63	4.44
6	7.77	7.55	7.33	7.11	6.89	6.67	6.44	6.22	6.00	5.78	5.56	5.33
7	9.10	8.84	8.58	8.31	8.05	7.79	7.53	7.00	7.00	6.74	6.48	6.21
8	10.36	10.07	9.78	9.48	9.18	8.89	8.59	8.30	8.00	7.70	7.41	7.11
10	13.00	12.60	12.20	11.90	11.50	11.10	10.70	10.40	10.00	9.60	9.30	8.90
13	16.90	16.40	15.90	15.40	14.90	14.40	14.00	13.50	13.00	12.50	12.00	11.60
15	19.50	18.94	18.38	17.81	17.25	16.69	16.13	16.00	15.00	14.44	13.88	13.31
16	20.60	20.10	19.60	19.00	18.40	17.80	17.20	16.60	16.00	15.40	14.80	14.20
20	26.00	25.20	24.40	23.70	23.00	22.20	21.50	20.70	20.00	19.30	18.50	17.80
25	32.40	31.50	30.60	29.60	28.70	27.80	26.90	25.90	25.00	24.10	23.20	22.20
30	39.00	37.88	36.75	35.63	34.50	33.38	32.25	31.00	30.00	28.88	27.75	26.63
32	41.50	40.30	39.10	37.90	36.70	35.60	34.40	33.20	32.00	30.80	29.60	28.40
35	47.00	45.30	43.70	42.10	40.60	39.10	37.70	36.30	35.00	33.70	32.50	31.30
40	51.90	50.40	48.90	47.40	45.90	44.40	43.00	41.50	40.00	38.50	37.00	35.60
50	64.90	63.00	61.10	59.30	57.40	55.60	53.70	51.90	50.00	48.20	46.30	44.50
60	80.50	77.60	74.80	72.10	69.50	67.00	64.60	62.30	60.00	57.80	55.70	53.70
63	81.60	79.30	77.00	74.70	72.30	70.00	67.70	65.30	63.00	60.70	58.30	56.00

S200MR temperature rating

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	1050	100.0	95.0	90.3	85.7	81.5
	175.9	167.5	159.5	151.9	114.7	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

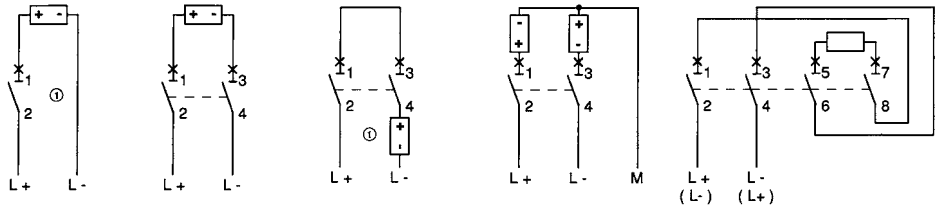
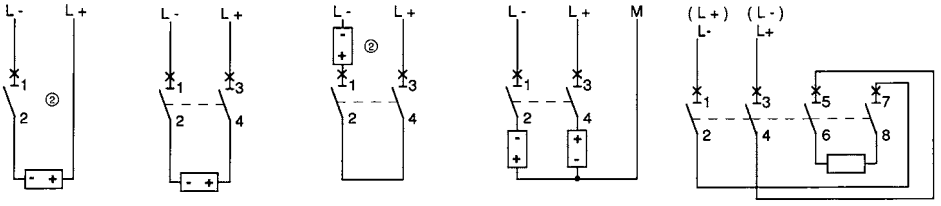
S200MUC miniature circuit breakers can be used in the 1-pole version at 250 V DC, and in the 2-pole or 4-pole version with series connection of two poles up to 500 V DC.

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 V DC occur, 2-pole S200MUC should be used for 1-pole disconnection and 4-pole S200MUC for all-pole disconnection.

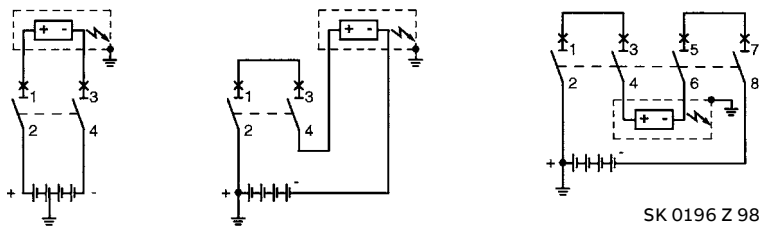
For DC incoming supply from above
S200MUC MCBs have permanent magnets in the area of arc chutes. Therefore, it is necessary to take into account the polarity during the installation process. In the case of a short circuit, the magnetic field of the permanent magnets corresponds with the electromagnetic 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 V DC	500 V DC	500 V DC	500 V DC	500 V DC
Voltage between conductor and ground	U_n	250 V DC	250 V DC	500 V DC	250 V DC	250 V DC
MCB		1-pole S201MUC	2-pole S202MUC	2-pole S202MUC	2-pole S202MUC	4-pole S204MUC
Supply from below						
						SK 0115 Z 94
Supply from above						
						SK 0114 Z 94

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:

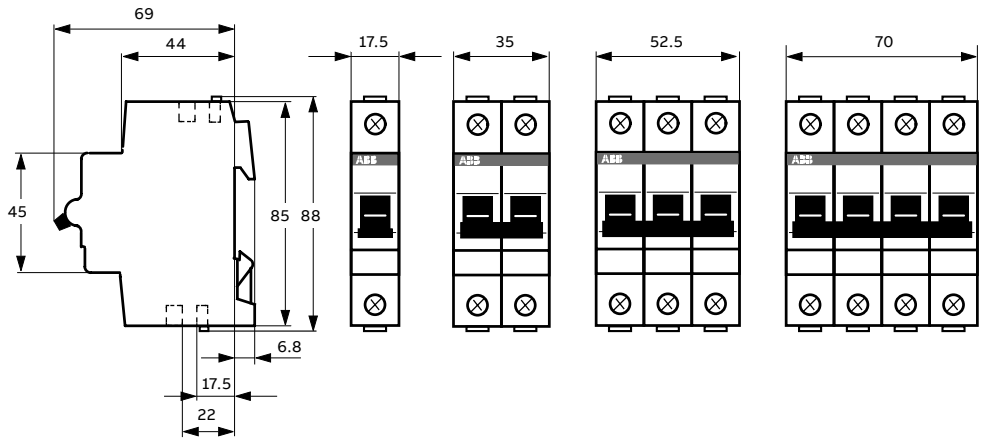
Voltage between conductors	U_n	500 V DC all-pole disconnection	500 V DC 1-pole disconnection	500 V DC all-pole disconnection
Voltage between conductor and ground	U_n	250 V DC circuit symmetrically grounded	250 V DC unsymmetrically grounded	250 V DC circuit ungrounded or unsymmetrically grounded
MCB		2-pole S202MUC	2-pole S202MUC	4-pole S204MUC
Supply from below				
				SK 0196 Z 98

1 In the circuit diagram, the negative pole is earthed. 2 In the circuit diagram, the positive pole is earthed.

Approximate dimensions

ST200M, S200MR and S200MUC — UL 1077, CSA 22.2 No. 235

ST200M, S200MUC



S200MR