

S(U)200 series—SU200M, SU200MR, and S200UDC

UL 489 series



Description

The SU200M, SU200MR, and S200UDC miniature circuit breakers offer a compact solution for protection requirements. The SU200 series devices are current-limiting according to UL 489 and DIN rail mounted.

SU200M, SU200MR, and S200UDC MCBs come in up to 3 trip curves to provide maximum circuit protection.

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

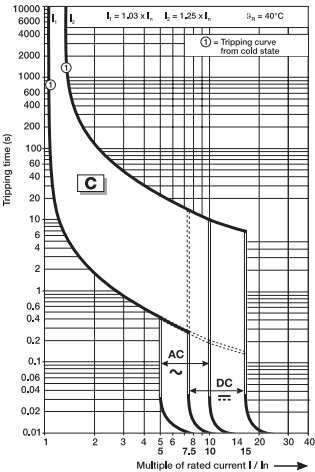
Features

- UL current 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 (except for S200UDC)
- UL 489 Listed - branch circuit protective device
UL File #E212323

	SU200M	SU200MR	S200UDC
Amperage	0.2-63	0.2-63	1-63
Voltage	up to 277/Y480 VAC 48/96 VDC	up to 277/480 VAC	60/125 VDC
Trip curves	Z, C, K	K	Z, K
Interrupt rating	10 kA-	10 kA	14 kA
Auxiliary contacts	Yes	Yes	Yes
Bell alarm	Yes	Yes	Yes
Shunt trip	Yes	Yes	Yes
Busbar	Yes	Yes	Yes

SU200M-C

Branch circuit protection—UL 489, CSA 22.2 No. 5



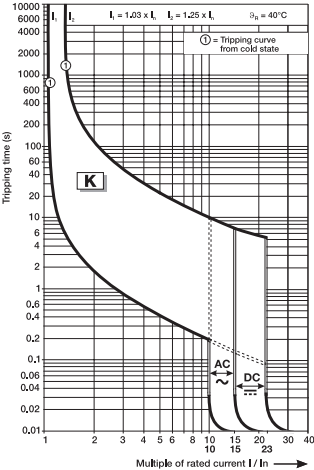
Number of poles	Rated current		Catalog number	Number of poles	Rated current		Catalog number
	I_n	A			I_n	A	
1	0.5		SU201M-C0.5	3	0.5		SU203M-C0.5
	1		SU201M-C1		1		SU203M-C1
	1.6		SU201M-C1.6		1.6		SU203M-C1.6
	2		SU201M-C2		2		SU203M-C2
	3		SU201M-C3		3		SU203M-C3
	4		SU201M-C4		4		SU203M-C4
	5		SU201M-C5		5		SU203M-C5
	6		SU201M-C6		6		SU203M-C6
	8		SU201M-C8		8		SU203M-C8
	10		SU201M-C10		10		SU203M-C10
	13		SU201M-C13		13		SU203M-C13
	15		SU201M-C15		15		SU203M-C15
	16		SU201M-C16		16		SU203M-C16
	20		SU201M-C20		20		SU203M-C20
	25		SU201M-C25		25		SU203M-C25
	30		SU201M-C30		30		SU203M-C30
	32		SU201M-C32		32		SU203M-C32
	35		SU201M-C35		35		SU203M-C35
	40		SU201M-C40		40		SU203M-C40
	50		SU201M-C50		50		SU203M-C50
2	60		SU201M-C60	4	60		SU203M-C60
	63		SU201M-C63		63		SU203M-C63
	0.5		SU202M-C0.5		0.5		SU204M-C0.5
	1		SU202M-C1		1		SU204M-C1
	1.6		SU202M-C1.6		1.6		SU204M-C1.6
	2		SU202M-C2		2		SU204M-C2
	3		SU202M-C3		3		SU204M-C3
	4		SU202M-C4		4		SU204M-C4
	5		SU202M-C5		5		SU204M-C5
	6		SU202M-C6		6		SU204M-C6
	8		SU202M-C8		8		SU204M-C8
	10		SU202M-C10		10		SU204M-C10
	13		SU202M-C13		13		SU204M-C13
	15		SU202M-C15		15		SU204M-C15
	16		SU202M-C16		16		SU204M-C16
	20		SU202M-C20		20		SU204M-C20
	25		SU202M-C25		25		SU204M-C25
	30		SU202M-C30		30		SU204M-C30
	32		SU202M-C32		32		SU204M-C32
	35		SU202M-C35		35		SU204M-C35
	40		SU202M-C40		40		SU204M-C40
	50		SU202M-C50		50		SU204M-C50
	60		SU202M-C60		60		SU204M-C60
	63		SU202M-C63		63		SU204M-C63

SU200M-K

Branch circuit protection—UL 489, CSA 22.2 No. 5



Number of poles	Rated current		Number of poles	Rated current	
	I_n A	Catalog number		I_n A	Catalog number
1	0.2	SU201M-K0.2	3	0.2	SU203M-K0.2
	0.3	SU201M-K0.3		0.3	SU203M-K0.3
	0.5	SU201M-K0.5		0.5	SU203M-K0.5
	0.75	SU201M-K0.75		0.75	SU203M-K0.75
	1	SU201M-K1		1	SU203M-K1
	1.6	SU201M-K1.6		1.6	SU203M-K1.6
	2	SU201M-K2		2	SU203M-K2
	3	SU201M-K3		3	SU203M-K3
	4	SU201M-K4		4	SU203M-K4
	5	SU201M-K5		5	SU203M-K5
	6	SU201M-K6		6	SU203M-K6
	8	SU201M-K8		8	SU203M-K8
	10	SU201M-K10		10	SU203M-K10
	13	SU201M-K13		13	SU203M-K13
	15	SU201M-K15		15	SU203M-K15
	16	SU201M-K16		16	SU203M-K16
	20	SU201M-K20		20	SU203M-K20
	25	SU201M-K25		25	SU203M-K25
	30	SU201M-K30		30	SU203M-K30
	32	SU201M-K32		32	SU203M-K32
2	35	SU201M-K35	4	35	SU203M-K35
	40	SU201M-K40		40	SU203M-K40
	50	SU201M-K50		50	SU203M-K50
	60	SU201M-K60		60	SU203M-K60
	63	SU201M-K63		63	SU203M-K63
	0.2	SU202M-K0.2		0.2	SU204M-K0.2
	0.3	SU202M-K0.3		0.3	SU204M-K0.3
	0.5	SU202M-K0.5		0.5	SU204M-K0.5
	0.75	SU202M-K0.75		0.75	SU204M-K0.75
	1	SU202M-K1		1	SU204M-K1
	1.6	SU202M-K1.6		1.6	SU204M-K1.6
	2	SU202M-K2		2	SU204M-K2
	3	SU202M-K3		3	SU204M-K3
	4	SU202M-K4		4	SU204M-K4
	5	SU202M-K5		5	SU204M-K5
	6	SU202M-K6		6	SU204M-K6
	8	SU202M-K8		8	SU204M-K8
	10	SU202M-K10		10	SU204M-K10
	13	SU202M-K13		13	SU204M-K13
	15	SU202M-K15		15	SU204M-K15
	16	SU202M-K16		16	SU204M-K16
	20	SU202M-K20		20	SU204M-K20
	25	SU202M-K25		25	SU204M-K25
	30	SU202M-K30		30	SU204M-K30
	32	SU202M-K32		32	SU204M-K32
	35	SU202M-K35		35	SU204M-K35
	40	SU202M-K40		40	SU204M-K40
	50	SU202M-K50		50	SU204M-K50
	60	SU202M-K60		60	SU204M-K60
	63	SU202M-K63		63	SU204M-K63

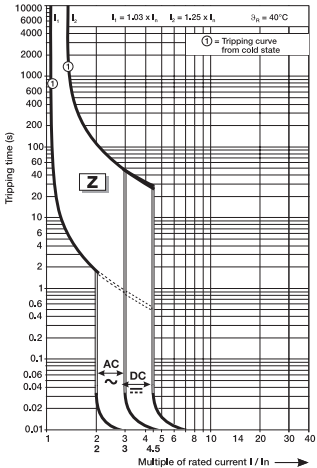


SU200M-Z

Branch circuit protection—UL 489, CSA 22.2 No. 5



Number of poles			Number of poles		
Rated current			Rated current		
I_n			I_n		
A			A		
Catalog number			Catalog number		
1	0.5	SU201M-Z0.5	3	0.5	SU203M-Z0.5
	1	SU201M-Z1		1	SU203M-Z1
	1.6	SU201M-Z1.6		1.6	SU203M-Z1.6
	2	SU201M-Z2		2	SU203M-Z2
	3	SU201M-Z3		3	SU203M-Z3
	4	SU201M-Z4		4	SU203M-Z4
	5	SU201M-Z5		5	SU203M-Z5
	6	SU201M-Z6		6	SU203M-Z6
	8	SU201M-Z8		8	SU203M-Z8
	10	SU201M-Z10		10	SU203M-Z10
	13	SU201M-Z13		13	SU203M-Z13
	15	SU201M-Z15		15	SU203M-Z15
	16	SU201M-Z16		16	SU203M-Z16
	20	SU201M-Z20		20	SU203M-Z20
	25	SU201M-Z25		25	SU203M-Z25
2	30	SU201M-Z30	4	30	SU203M-Z30
	32	SU201M-Z32		32	SU203M-Z32
	35	SU201M-Z35		35	SU203M-Z35
	40	SU201M-Z40		40	SU203M-Z40
	50	SU201M-Z50		50	SU203M-Z50
	60	SU201M-Z60		60	SU203M-Z60
	63	SU201M-Z63		63	SU203M-Z63
	0.5	SU202M-Z0.5		0.5	SU204M-Z0.5
	1	SU202M-Z1		1	SU204M-Z1
	1.6	SU202M-Z1.6		1.6	SU204M-Z1.6
	2	SU202M-Z2		2	SU204M-Z2
	3	SU202M-Z3		3	SU204M-Z3
	4	SU202M-Z4		4	SU204M-Z4
	5	SU202M-Z5		5	SU204M-Z5
	6	SU202M-Z6		6	SU204M-Z6
	8	SU202M-Z8		8	SU204M-Z8
	10	SU202M-Z10		10	SU204M-Z10
	13	SU202M-Z13		13	SU204M-Z13
	15	SU202M-Z15		15	SU204M-Z15
	16	SU202M-Z16		16	SU204M-Z16
	20	SU202M-Z20		20	SU204M-Z20
	25	SU202M-Z25		25	SU204M-Z25
	30	SU202M-Z30		30	SU204M-Z30
	32	SU202M-Z32		32	SU204M-Z32
	35	SU202M-Z35		35	SU204M-Z35
	40	SU202M-Z40		40	SU204M-Z40
	50	SU202M-Z50		50	SU204M-Z50
	60	SU202M-Z60		60	SU204M-Z60
	63	SU202M-Z63		63	SU204M-Z63

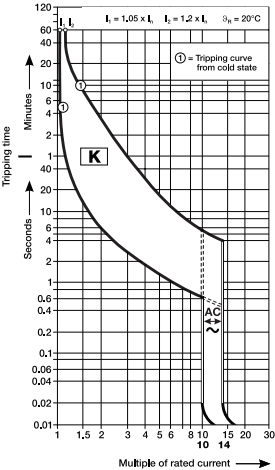


SU200MR-K with ring tongue terminals

Branch circuit protection—UL 489, CSA 22.2 No. 5

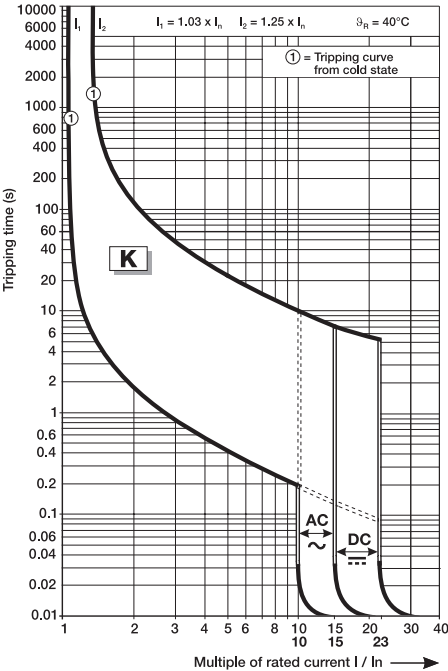


1			3		
Number of poles	Rated current I_n A	Catalog number	Number of poles	Rated current I_n A	Catalog number
1	0.2	SU201MR-K0.2	3	0.2	SU203MR-K0.2
	0.3	SU201MR-K0.3		0.3	SU203MR-K0.3
	0.5	SU201MR-K0.5		0.5	SU203MR-K0.5
	0.75	SU201MR-K0.75		0.75	SU203MR-K0.75
	1	SU201MR-K1		1	SU203MR-K1
	1.6	SU201MR-K1.6		1.6	SU203MR-K1.6
	2	SU201MR-K2		2	SU203MR-K2
	3	SU201MR-K3		3	SU203MR-K3
	4	SU201MR-K4		4	SU203MR-K4
	5	SU201MR-K5		5	SU203MR-K5
	6	SU201MR-K6		6	SU203MR-K6
	8	SU201MR-K8		8	SU203MR-K8
	10	SU201MR-K10		10	SU203MR-K10
	13	SU201MR-K13		13	SU203MR-K13
	15	SU201MR-K15		15	SU203MR-K15
	16	SU201MR-K16		16	SU203MR-K16
	20	SU201MR-K20		20	SU203MR-K20
2	25	SU201MR-K25	4	25	SU204MR-K25
	30	SU201MR-K30		30	SU204MR-K30
	32	SU201MR-K32		32	SU204MR-K32
	35	SU201MR-K35		35	SU204MR-K35
	40	SU201MR-K40		40	SU204MR-K40
	50	SU201MR-K50		50	SU204MR-K50
	60	SU201MR-K60		60	SU204MR-K60
	63	SU201MR-K63		63	SU204MR-K63
	0.2	SU202MR-K0.2		0.2	SU202MR-K0.2
	0.3	SU202MR-K0.3		0.3	SU202MR-K0.3
	0.5	SU202MR-K0.5		0.5	SU202MR-K0.5
	0.75	SU202MR-K0.75		0.75	SU202MR-K0.75
	1	SU202MR-K1		1	SU202MR-K1
	1.6	SU202MR-K1.6		1.6	SU202MR-K1.6
	2	SU202MR-K2		2	SU202MR-K2
	3	SU202MR-K3		3	SU202MR-K3
	4	SU202MR-K4		4	SU202MR-K4
	5	SU202MR-K5		5	SU202MR-K5
	6	SU202MR-K6		6	SU202MR-K6
	8	SU202MR-K8		8	SU202MR-K8
	10	SU202MR-K10		10	SU202MR-K10
	13	SU202MR-K13		13	SU202MR-K13
	15	SU202MR-K15		15	SU202MR-K15
	16	SU202MR-K16		16	SU202MR-K16
	20	SU202MR-K20		20	SU202MR-K20
	25	SU202MR-K25		25	SU202MR-K25
	30	SU202MR-K30		30	SU202MR-K30
	32	SU202MR-K32		32	SU202MR-K32
	35	SU202MR-K35		35	SU202MR-K35
	40	SU202MR-K40		40	SU202MR-K40
	50	SU202MR-K50		50	SU202MR-K50
	60	SU202MR-K60		60	SU202MR-K60
	63	SU202MR-K63		63	SU202MR-K63



S200UDC-K

Branch circuit protection—UL 489, CSA 22.2 No. 5

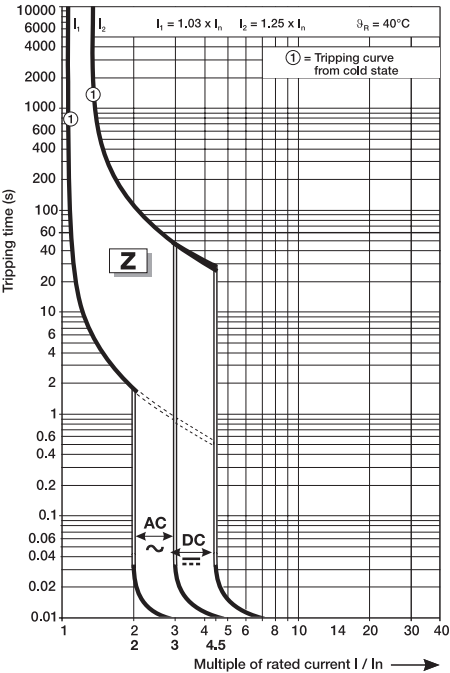


Number of poles	Rated current	
	I_n A	Catalog number
1	1	S201UDC-K1
	1.6	S201UDC-K1.6
	2	S201UDC-K2
	3	S201UDC-K3
	4	S201UDC-K4
	5	S201UDC-K5
	6	S201UDC-K6
	8	S201UDC-K8
	10	S201UDC-K10
	13	S201UDC-K13
	15	S201UDC-K15
	16	S201UDC-K16
	20	S201UDC-K20
	25	S201UDC-K25
	30	S201UDC-K30
	32	S201UDC-K32
	40	S201UDC-K40
	50	S201UDC-K50
	60	S201UDC-K60
	63	S201UDC-K63
2	1	S202UDC-K1
	1.6	S202UDC-K1.6
	2	S202UDC-K2
	3	S202UDC-K3
	4	S202UDC-K4
	5	S202UDC-K5
	6	S202UDC-K6
	8	S202UDC-K8
	10	S202UDC-K10
	13	S202UDC-K13
	15	S202UDC-K15
	16	S202UDC-K16
	20	S202UDC-K20
	25	S202UDC-K25
	30	S202UDC-K30
	32	S202UDC-K32
	40	S202UDC-K40
	50	S202UDC-K50
	60	S202UDC-K60
	63	S202UDC-K63

Note: Standard UL 489 (only DC; please note polarity of device).

S200UDC-Z

Branch circuit protection—UL 489, CSA 22.2 No. 5



Number of poles	Rated current	Catalog number
	I_n A	
1	1	S201UDC-Z1
	1.6	S201UDC-Z1.6
	2	S201UDC-Z2
	3	S201UDC-Z3
	4	S201UDC-Z4
	5	S201UDC-Z5
	6	S201UDC-Z6
	8	S201UDC-Z8
	10	S201UDC-Z10
	13	S201UDC-Z13
	15	S201UDC-Z15
	16	S201UDC-Z16
	20	S201UDC-Z20
	25	S201UDC-Z25
	30	S201UDC-Z30
	32	S201UDC-Z32
	40	S201UDC-Z40
2	50	S201UDC-Z50
	60	S201UDC-Z60
	63	S201UDC-Z63
	1	S202UDC-Z1
	1.6	S202UDC-Z1.6
	2	S202UDC-Z2
	3	S202UDC-Z3
	4	S202UDC-Z4
	5	S202UDC-Z5
	6	S202UDC-Z6
	8	S202UDC-Z8
	10	S202UDC-Z10
	13	S202UDC-Z13
	15	S202UDC-Z15
	16	S202UDC-Z16
	20	S202UDC-Z20
	25	S202UDC-Z25
	30	S202UDC-Z30
	32	S202UDC-Z32
	40	S202UDC-Z40
	50	S202UDC-Z50
	60	S202UDC-Z60
	63	S202UDC-Z63

Note: Standard UL 489 (only DC; please note polarity of device).

Accessories

SU200M, SU200MR, and S200UDC—UL 489, CSA 22.2 No. 5



S2C-H6RU

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	S2C-H6RU



S2C-S6RU

Bell alarm

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-S6RU



S2C-A...U

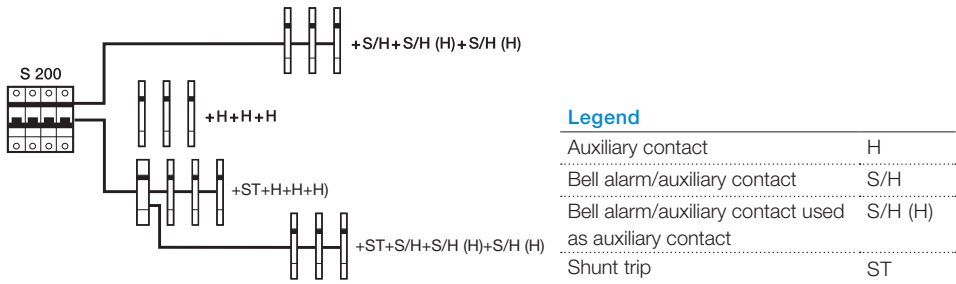
Shunt trip

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 12...60 VAC/DC	S2C-A1U
For field mounting: right side 110...415 VAC	S2C-A2U
110...250 VDC	

Note: For shafts and handles, refer to parts in the Disconnect Switch and MCCB section.

Possible mounting arrangements of MCB accessories



Note: Right hand mount accessories cannot be used in conjunction with S2C-DH, rotary operating mechanism.

Accessories

SU200M, SU200MR, and S200UDC—UL 489, CSA 22.2 No. 5



S2C-DH

2CSC400064F0201

Rotary operating mechanism

For the actuation of 2-, 3- or 4pole miniature circuit-breakers in closed distribution boards for driveaxles of 5 or 6 mm² (square)

	Catalog number
	S2C-DH

Handles

Handle IP 65, 65 x 65 mm, padlockable with max. 3 padlocks (bail diameter 5 - 8 mm), door interlock in ON-position, adjustable*

Color	Suitable for switches	Catalog number
Black	OT16...40F	OHBS2AJ
Yellow-red	OT16...40F	OHYS2AJ
Silver	OT16...40F	OHSS2AJ
Grey	OT16...40F	OHGS2AJ

Handle IP 65, 65 x 65 mm, padlockable with max. 3 padlocks (bail diameter 5 - 8 mm), door interlock in ON-position

Color	Suitable for switches	Catalog number
Black	OT16...40F	OHBS2AJ1
Yellow-red	OT16...40F	OHYS2AJ1
Silver	OT16...40F	OHSS2AJ1
Grey	OT16...40F	OHGS2AJ1

* OH_2_J enables selection of MCB behavior when opening panel door (remain switched on or switch off). OH_2_J1 will cause MCB to switch off when opening panel door.

Axle extension

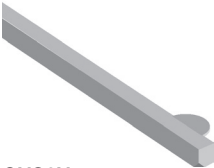
Type and order numbers are for one piece. For selector type handles. Shaft diameter 6 mm.

Length	Suitable for switches	Catalog number
85	OT16...40F	OXS6X85
105	OT16...40F	OXS6X105
120	OT16...40F	OXS6X120
130	OT16...40F	OXS6X130
160	OT16...40F	OXS6X160
180	OT16...40F	OXS6X180
250	OT16...40F	OXS6X250
330	OT16...40F	OXS6X330



OH

S00396A



OXS6X

S01026A

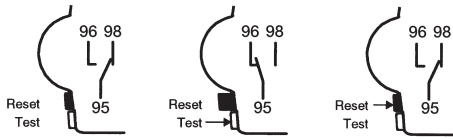
Accessories

SU200M, SU200MR, and S200UDC—UL 489, CSA 22.2 No. 5

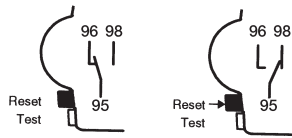
Connection drawings

Bell alarm S2C-S6RU

In ON and OFF position after hand operation

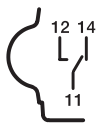


In OFF position after tripping



Auxiliary contact S2C-H6RU

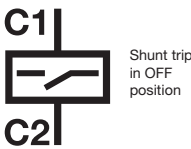
Auxiliary contact in ON position



Auxiliary contact in OFF position

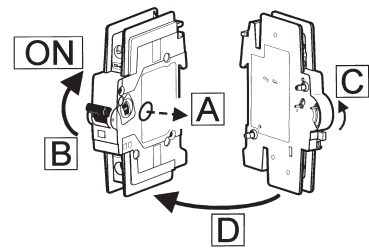


Shunt trip S2C-A...U

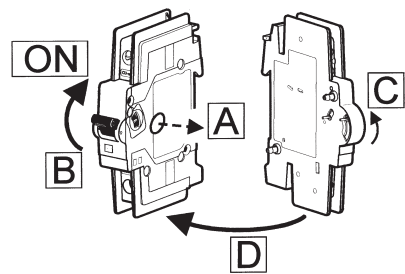


Mounting

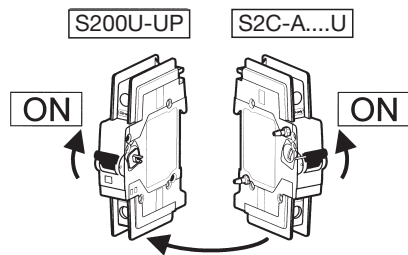
Addition of a S2C-H6RU auxiliary contact



Addition of a S2C-S6RU bell alarm contact



Addition of a S2C-A...U shunt trip



Accessories

SU200MR—UL 489, CSA 22.2 No. 5

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.

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

Ring Tongue Details

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

CU only
60/75°C
(140/167°F)

max. 2.0 mm
(0.08")

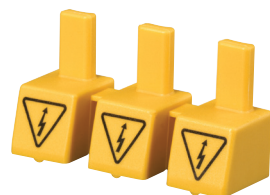
PZ 2 Torque: 2.8 Nm (25lb-in)

Accessories

SU200M, SU200MR, and S200UDC—UL 489, CSA 22.2 No. 5



PS2/6/16 BP

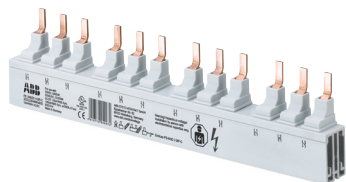


BSK-BP



AST35/15BP

SZ-ESPBP



PS...BP-C

Busbars for SU200M

Busbars cannot be cut. 600 V AC/DC

Amp rating*	Number of poles	Phases	Busbar length (mm)	Catalog number
80/115	6	1	103.2	PS 1/6/16BP
	12	1	208.8	PS 1/12/16BP
	18	1	314.4	PS 1/18/16BP
80/115	6	2	103.2	PS 2/6/16BP
	12	2	208.8	PS 2/12/16BP
	18	2	314.4	PS 2/18/16BP
80/115	6	3	103.2	PS 3/6/16BP
	12	3	208.8	PS 3/12/16BP
	18	3	314.4	PS 3/18/16BP

*End/centerfed

Busbar tooth covers for BS...BP (UL 489)

Description	Catalog number
Covers three unused poles of busbar	BSK-BP

Feeder terminals for PS...BP (UL 489)

Description	Catalog number
Terminal, insulated with pin contact	AST35/15BP
Feeder terminal, single-pole terminal, can be mounted side by side, feed on the pin of the busbar	SZ-ESK BP

Busbars PS...BP-C for use with end caps PS-END 3 BP-C

Number of phases	Phase sequence	Catalog number
1	L1-L1-L1...	PS1/57/25BP-C
	L1-Aux (free)-L1-Aux (free)...1)	PS1/37/25HBP-C
2	L1-L2-L1-L2...	PS2/56/25BP-C
	L1-L2-Aux (free)-L1-L2-Aux (free)...1)	PS2/46/25HBP-C
3	L1-L2-L3-L1-L2-L3...	PS3/57/25BP-C
	L1-L2-L3-Aux (free)-L1-L2-L3-Aux (free)...1)	PS3/48/25HBP-C
	L1-Aux (free)-L2-Aux (free)-L3-Aux (free)...1)	PS3/39/25HBP-C

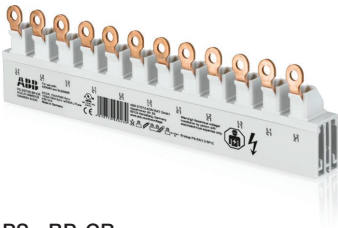
¹⁾ for devices with auxiliary contact (half module) after each phase sequence

Accessories

Description	Catalog number
Tooth covers, for 3 pins	BSK BP-C
End caps	PS-END 3 BP-C
Feeder terminal	AST 35/58 BP-C

Accessories

SU200M, SU200MR, and S200UDC—UL 489, CSA 22.2 No. 5



PS...BP-CR

Busbars for SU200MR, can be cut to length

Busbars PS...BP-CR for use with end caps PS-END 3 BP-C

Number of phases	Phase sequence	Number of pins pcs.	Cross section mm ²	Catalog number
1	L1-L1-L1...	57	25	PS1/57/25BP-CR
	L1-Aux (free)-L1-Aux (free)...1)	37	25	PS1/37/25HBP-CR
2	L1-L2-L1-L2...	56	25	PS2/56/25BP-CR
	L1-L2-Aux (free)-L1-L2-Aux (free)...1)	46	25	PS2/46/25HBP-CR
3	L1-L2-L3-L1-L2-L3...	57	25	PS3/57/25BP-CR
	L1-L2-L3-Aux (free)-L1-L2-L3-Aux (free)...1)	48	25	PS3/48/25HBP-CR
	L1-Aux (free)-L2-Aux (free)-L3-Aux (free)...1)	39	25	PS3/39/25HBP-CR

¹⁾ for devices with auxiliary contact (half module) after each phase sequence

Accessories

Description	Catalog number
Tooth covers, for 3 pins	BSK BP-CR
End caps	PS-END 3 BP-C



Lockout/Tag out device

Product description	Catalog number
For Single-pole MCBs	S2C-LOTO-S
For Multi-pole MCBs	S2C-LOTO-M

Technical specifications

SU200M, SU200MR, and S200UDC—UL 489, CSA 22.2 No. 5

Technical specifications

	SU200M	SU200MR	S200UDC
Specifications	UL 489, C 22.2 No. 5, IEC 60947-2	UL 489, C 22.2 No. 5, IEC 60947-2	UL 489, VDE 0660
UL file number	E 212323, UL current limiting	E 212323, UL current limiting	E212323
Number of poles	1, 2, 3, 4	1, 2, 3, 4	1, 2
Trip curves	C, K, Z	K	Z, K
Rated current	Up to 63 A	Up to 63 A	Up to 63 A
Rated voltage	277/Y480 VAC up to 40 A (Z and C trip curves) 277/Y480 VAC up to 35 A (K trip curve) 240 VAC up to 63 A (all trip curves) 48/96 VDC up to 63 A (1/2-pole, all trip curves)	277/Y480 VAC (up to 35 A) 240 VAC up to 63 A	60/125 VDC (1/2-pole)
Short circuit interrupt rating	10 kA	10 kA	14 kA
Calibration temperature	40 °C	40 °C	25 °C
Mounting position	Any	Any	Any
Protection degree	IP 20	IP 20	IP 20 with accessory
Mounting	35 mm DIN rail	35 mm DIN rail	35 mm DIN rail
Terminal screw tightening torque	25 in. lbs (2.8 Nm)	25 in. lbs (2.8 Nm)	25 in. lbs (2.8 Nm)
Cable size	AWG 4-16	AWG 4-16	AWG 4-16
Ambient temperature	-25 °C...+55 °C/-13 °F...+131 °F	-25 °C...+55 °C/-13 °F...+131 °F	-25 °C...+55 °C/-13 °F...+131 °F
Shock resistance (IEC60068-2-27)	25 g - 2 shocks - 13 ms	25 g - 2 shocks - 13 ms	25 g - 2 shocks - 13 ms
Service life, mechanical	20,000 operations	20,000 operations	20,000 operations

Auxiliary contact S2C-H6RU and S2C-S6RU

Rated current	10
Rated voltage AC/DC	24
Contact	1 pole double throw
Connection capacity mm²	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 VAC/DC, 5 mA auto-reclosing < 10 ms
Mechanical service life	10,000 operations

Shunt trip

			S2C-A1U	S2C-A2U
Rated voltage	AC	V	12...60	110...415
	DC	V	12...60	110...250
Maximum release duration		ms	<10	<10
Minimum release voltage	AC	V	7	55
	DC	V	10	80
Consumption on release	AC	VA	40...200	55...210
	DC	VA	40...200	55...110
Coil resistance		Ω	3.7	225
Terminals		AWG/mm ²	18...6/0.75-16	18...6/0.75-16
Tightening torque		in. lbs./Nm	18/2	18/2

Technical specifications

SU200M, SU200MR, and S200UDC—UL 489, CSA 22.2 No. 5

Internal resistance and power loss per pole

Internal resistance per pole in $m\Omega$, power loss per pole in W.

SU200M

Rated current I_n A	C, K characteristics		Z characteristics	
	Internal resistance per pole R_i $m\Omega$	Power loss P W	Internal resistance per pole R_i $m\Omega$	Power loss P_v W
0.2	42500	1.7	-	-
0.3	18889	1.7	-	-
0.5	5600	1.4	9000	2.3
0.75	2489	1.4	-	-
1	1400	1.4	2200	2.2
1.6	703	1.8	1000	2.6
2	450	1.8	650	2.6
3	178	1.6	250	2.3
4	113	1.8	140	2.2
5	50	1.3	100	2.5
6	56	2.0	70	2.5
8	23	1.5	28	1.8
10	21	2.1	21	2.1
13	14	2.3	17	2.9
15	11	2.4	13	2.9
16	9.8	2.5	10	2.6
20	6.3	2.5	6.5	2.6
25	5.1	3.2	5.1	3.2
30	3.9	3.5	3.9	3.5
32	3.6	3.7	3.6	3.7
35	3.3	4.1	3.3	4.1
40	2.8	4.5	2.8	4.5
50	1.8	4.5	1.8	4.5
60	1.4	4.9	1.4	4.9
63	1.4	5.4	1.4	5.4

Internal resistances are subject to application-specific and environment-specific conditions and are therefore to be considered as typical values.

SU200MR

Rated current A	Internal resistance per pole ¹⁾ $m\Omega$	Power loss per pole ¹⁾ 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

¹⁾Internal resistances and power loss are subject to application-specific and environment-specific conditions and are therefore to be considered as typical values.

Technical specifications

SU200M, SU200MR, and S200UDC—UL 489, CSA 22.2 No. 5

Temperature derating SU200M and SU200MR

Standard	Rated current I_n A	Maximum operating current at ambient temperature T A											
		- 40 °C	- 30 °C	- 20 °C	- 10 °C	0 °C	10 °C	20 °C	30 °C	40 °C	50 °C	60 °C	70 °C
UL 489	0.2 ¹⁾	0.27	0.26	0.25	0.24	0.23	0.22	0.22	0.21	0.20	0.19	0.19	0.18
	0.3 ¹⁾	0.40	0.39	0.37	0.36	0.35	0.33	0.32	0.31	0.30	0.29	0.28	0.27
	0.5	0.67	0.64	0.62	0.60	0.58	0.56	0.54	0.52	0.5	0.48	0.46	0.45
	0.75 ¹⁾	1.00	0.97	0.93	0.90	0.87	0.84	0.81	0.78	0.75	0.72	0.70	0.67
	1	1.34	1.29	1.24	1.20	1.16	1.12	1.08	1.04	1	0.96	0.93	0.89
	1.6	1.74	1.68	1.62	1.56	1.50	1.45	1.40	1.35	1.3	1.25	1.21	1.16
	2	2.67	2.58	2.49	2.40	2.31	2.23	2.15	2.07	2	1.93	1.85	1.79
	3	4.01	3.87	3.73	3.60	3.47	3.35	3.23	3.11	3	2.89	2.78	2.68
	4	5.35	5.16	4.97	4.80	4.63	4.46	4.30	4.15	4	3.85	3.71	3.57
	5	6.69	6.45	6.22	6.00	5.78	5.58	5.38	5.19	5	4.82	4.64	4.47
	6	8.02	7.74	7.46	7.20	6.94	6.69	6.45	6.22	6	5.78	5.56	5.36
	8	10.70	10.32	9.95	9.59	9.25	8.92	8.60	8.30	8	7.70	7.42	7.14
	10	13.37	12.90	12.44	11.99	11.56	11.15	10.75	10.37	10	9.63	9.27	8.93
	13	17.38	16.76	16.17	15.59	15.03	14.50	13.98	13.48	13	12.52	12.06	11.61
	15	20.06	19.34	18.65	17.99	17.35	16.73	16.13	15.56	15	14.45	13.91	13.40
	16	21.40	20.63	19.90	19.19	18.50	17.84	17.21	16.59	16	15.41	14.84	14.29
	20	26.75	25.79	24.87	23.98	23.13	22.30	21.51	20.74	20	19.26	18.55	17.86
	25	33.43	32.24	31.09	29.98	28.91	27.88	26.88	25.93	25	24.08	23.18	22.33
	30	40.12	38.69	37.31	35.98	34.69	33.45	32.26	31.11	30	28.89	27.82	26.79
	32	42.79	41.27	39.79	38.37	37.01	35.69	34.41	33.18	32	30.82	29.68	28.58
	35	46.81	45.14	43.53	41.97	40.47	39.03	37.64	36.30	35	33.71	32.46	31.26
	40	53.49	51.58	49.74	47.97	46.26	44.61	43.01	41.48	40	38.52	37.09	35.72
	50	66.87	64.48	62.18	59.96	57.82	55.76	53.77	51.85	50	48.15	46.37	44.65
	60	80.24	77.38	74.61	71.95	69.39	66.91	64.52	62.22	60	57.78	55.64	53.58
	63	84.25	81.24	78.35	75.55	72.85	70.25	67.75	65.33	63	60.67	58.42	56.26

¹⁾ Current ratings 0.2, 0.3 and 0.75 A available with K characteristic only.

Technical specifications

Busbars PS...BP-C/CR and accessories

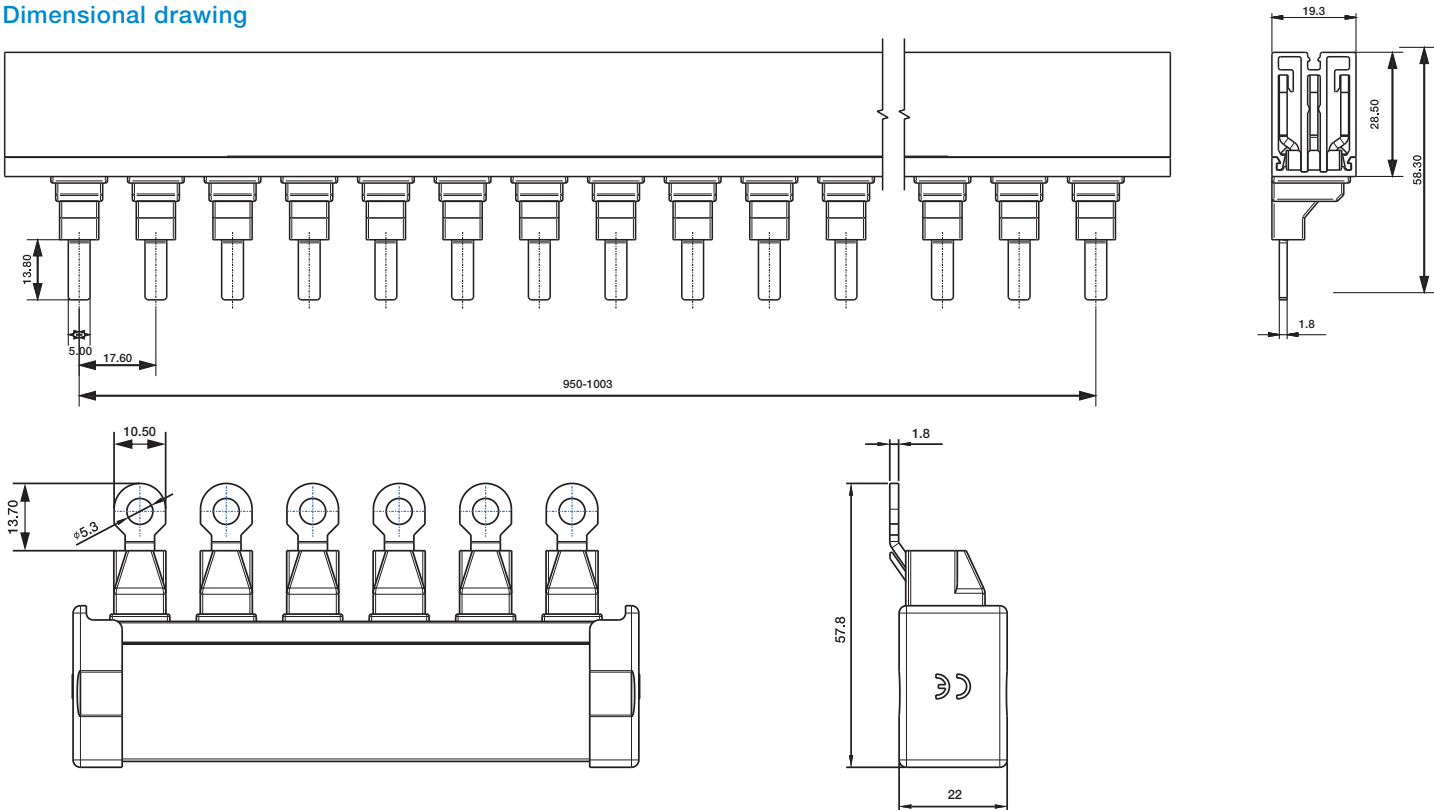
Electrical data		Busbars PS...BP-C/CR
Standards		UL508 EN 60947-1 / IEC 60947-1:2004
Rated voltage U _n	V	600 V AC/DC
Rated frequency	Hz	50 Hz (IEC) / 60 Hz (UL)
Rated impuls withstand voltage U _{imp}	kV	≥ 10 kV
Rated current / phase		
End fed ¹⁾	A	100 A
Center fed ¹⁾	A	200 A
Short circuit current rating	kA	10 kA 3 cycles @ 600 V / 140 kA Fuse Class J 200 A
Mechanical data		
Housing		grey, RAL 7035
Resistance to climatic conditions		acc. to DIN EN 60068
Isolation coordination		
Overvoltage category		III
Pollution degree		2
Installation		
Cross section	mm ²	25 mm ²
Mounting position		Optional
Supply		Via cable with ring lug (PS...BP-CR); direct or via feeder terminal (PS...BP-C)
Accessories		
Shock protection caps		BSK BP-CR (for PS...BP-CR), BSK BP-C (for PS...BP-C)
Endcaps		PS-END 3 BP-C
Approvals		
		CE, RoHS
		UL 508: cULus Listed

¹⁾ Independently from the current rating of the feeder terminal or busbar, the current-carrying capacity/current rating of the MCB terminal must not be exceeded.

Installation/assembly

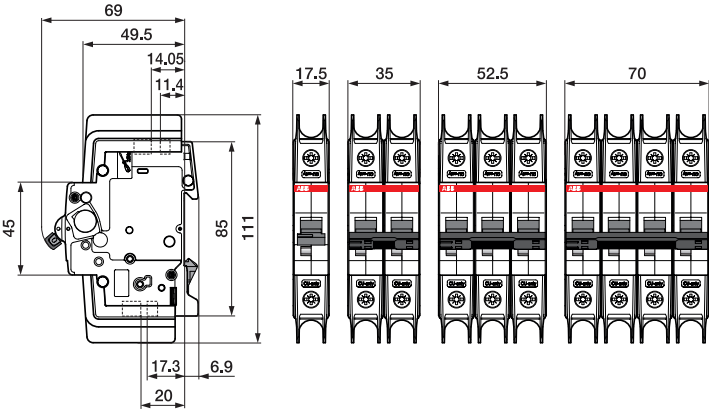
Warning: When busbars are shortened, they must be deburred and cleaned of debris. Touch-safe only when used with the required end caps.

Dimensional drawing

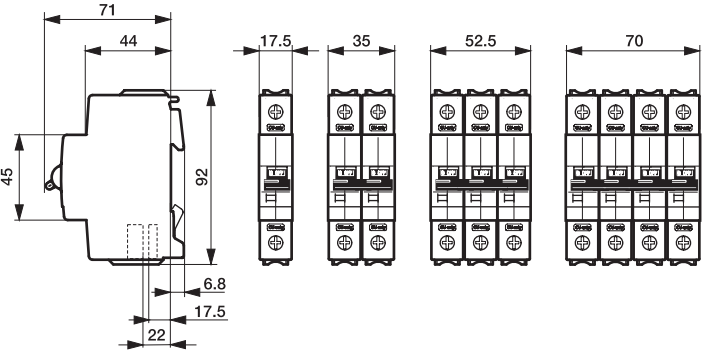


Approximate dimensions
SU200M, SU200MR, and S200UDC—UL 489, CSA 22.2 No. 5

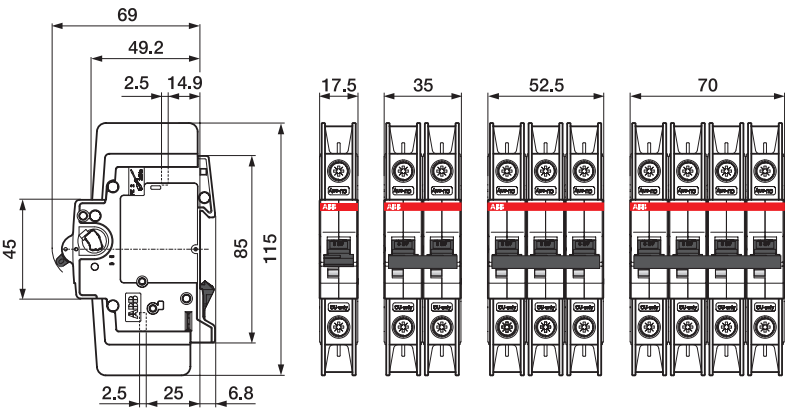
SU200M



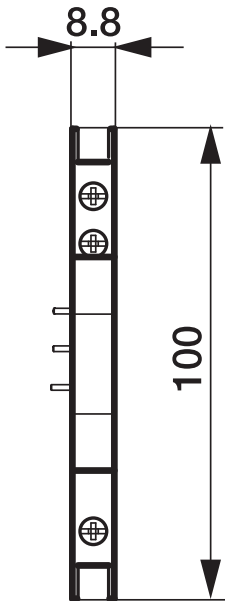
S200UDC



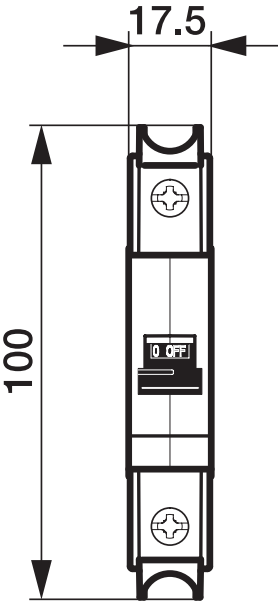
SU200MR



S2C-H6RU, S2C-S6RU



S2C-A..U



Dimensions in (mm)