



### Description

The S200 Series miniature circuit breaker offers a compact solution for protection requirements. The S200 devices are UL tested current limiting and DIN rail mounted. The S200 is available with application-specific trip characteristics to provide maximum circuit protection. The breakers 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

- 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
- UL1077 Listed-supplemental protective device. UL file # E76126

	S200	S200P	S280UC	S290
<b>Amperage</b>	0.5 – 63 A	0.2 – 63 A	0.2 – 63 A	80 - 125 A
<b>Voltage</b>	480Y/277 VAC	480Y/277 VAC	500 VDC	480Y/277 VAC
<b>Poles</b>	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3	1, 2, 3, 4
<b>Trip characteristics</b>	B, C, D, K	K, Z	K, Z	C
<b>Interrupting ratings</b>	6 kA: IEC 60898 6 kA: UL 1077 6 kA: CSA C22.2 #235	10kA: IEC 947-2 10kA: UL 1077	10kA: IEC 947 10kA: UL 1077	6 kA: IEC 898 6 kA: UL 1077
<b>Auxiliary contacts</b>	Yes	Yes	Yes	Yes
<b>Bell alarm</b>	Yes	Yes	Yes	Yes
<b>Shunt trip</b>	Yes	Yes	Yes	Yes
<b>Undervoltage release</b>	Yes	Yes	Yes	No
<b>Bus bar</b>	Yes	Yes	Yes	No

## S200-B, 480Y/277 VAC Supplemental protectors UL 1077, CSA 22.2

# B



S201-B



S202-B



S203-B



S204-B



S201-BNA



S203-BNA

No. of poles	Rated current	Catalog number	No. of poles	Rated current	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
	63	S201-B63		63	S203-B63
1 + NA	6	S201-B6NA	3 + NA	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
	50	S201-B50NA		50	S203-B50NA
	63	S201-B63NA		63	S203-B63NA
2	6	S202-B6	4	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

### Tripping characteristic B

UL 1077  
480Y/277VAC  
6 kA

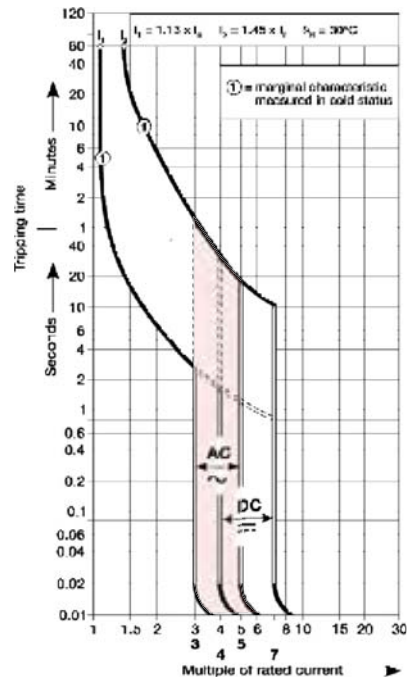
#### Resistive loads

- B Curve
- Designed for use in cable protection applications
- Example: control circuits, lighting

#### Accessories & technical data

Accessories – See page 15.26

Technical data – See page 15.76 - 15.82



Note: This breaker for AC use only. Switching neutral is noted by "NA" in the catalog number.

# S200-C, 480Y/277 VAC

## Supplemental protectors

### UL 1077, CSA 22.2

Miniature  
circuit breakers



No. of poles	Rated current	Catalog number	No. of poles	Rated current	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		
63	S201-C63	63	S203-C63		
1 + NA	0.5	S201-C0.5NA	3 + NA	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		
50	S201-C50NA	50	S203-C50NA		
63	S201-C63NA	63	S203-C63NA		
2	0.5	S202-C0.5	4	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		

### Tripping characteristic C

UL 1077  
480Y/277 VAC  
6 kA

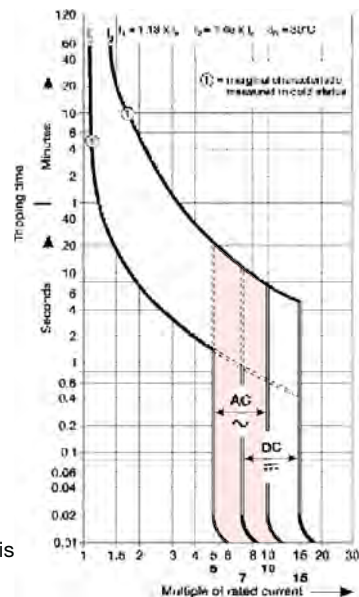
#### Resistive loads

- C Curve
- Designed for use with medium magnetic start up currents
- Example: lighting, control panels

#### Accessories & technical data

Accessories – See page 15.26

Technical data – See page 15.76 - 15.82



Note: This breaker for AC use only. Switching neutral is noted by "NA" in the catalog number.

## S200-D, 480Y/277 VAC Supplemental protectors UL 1077, CSA 22.2

# D



S201-D



S202-D



S203-D



S204-D



S201-DNA



S203-DNA

No. of poles	Rated current	Catalog number	No. of poles	Rated current	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		

### Tripping characteristic D

UL 1077  
480Y/277 VAC  
6 kA

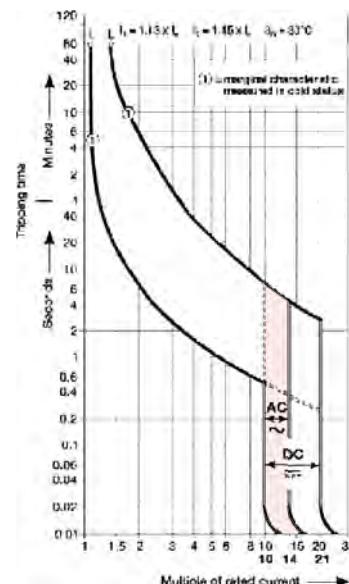
#### Inductive loads

- D Curve
- Designed for allowing higher in-rush currents during system start up
- Example: motors, transformers

#### Accessories & technical data

Accessories – See page 15.26

Technical data – See page 15.76 - 15.82



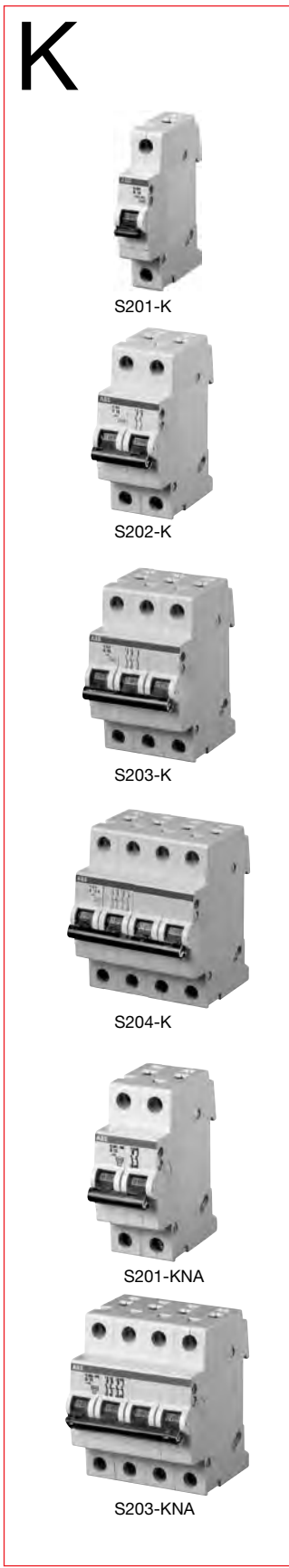
Note: This breaker for AC use only

# S200-K, 480Y/277 VAC

## Supplemental protectors

### UL 1077, CSA 22.2

Miniature  
circuit breakers



No. of poles	Rated current	Catalog number	No. of poles	Rated current	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		
63	S201-K63	63	S203-K63		
1 + NA	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		
63	S201-K63NA	63	S203-K63NA		
2	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		

#### Tripping characteristic K

UL 1077  
480Y/277 VAC  
6 kA

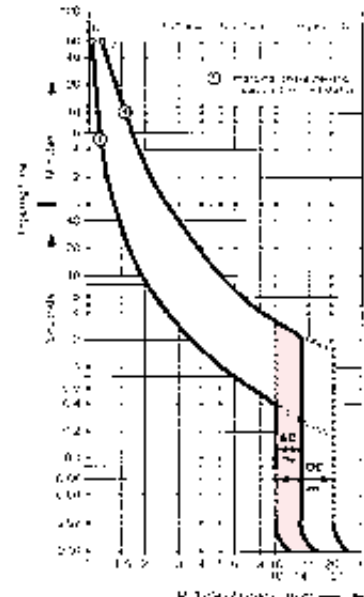
#### Inductive loads

- K Curve
- Designed for allowing higher in-rush currents during system start up
- Example: motors, transformers

#### Accessories & technical data

**Accessories** – See page 15.26

**Technical data** – See page 15.76 - 15.82



Note: This breaker for AC use only

## S200P-K, 480Y/277 VAC Supplemental protectors UL 1077, CSA 22.2

# K



S201P-K



S202P-K



S203P-K

No. of poles	Rated current	Catalog number	No. of poles	Rated current	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-K0.5		0.5	S203P-K0.5
	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		
32	S201P-K32	32	S203P-K32		
40	S201P-K40	40	S203P-K40		
50	S201P-K50	50	S203P-K50		
63	S201P-K63	63	S203P-K63		
2	0.2	S202P-K0.2			
	0.3	S202P-K0.3			
	0.5	S202P-K0.5			
	0.75	S202P-K0.75			
	1	S202P-K1			
	1.6	S202P-K1,6			
	2	S202P-K2			
	3	S202P-K3			
	4	S202P-K4			
	6	S202P-K6			
	8	S202P-K8			
	10	S202P-K10			
	13	S202P-K13			
	16	S202P-K16			
	20	S202P-K20			
25	S202P-K25				
32	S202P-K32				
40	S202P-K40				
50	S202P-K50				
63	S202P-K63				

### Tripping characteristic K

UL 1077  
480Y/277 VAC  
10 kA

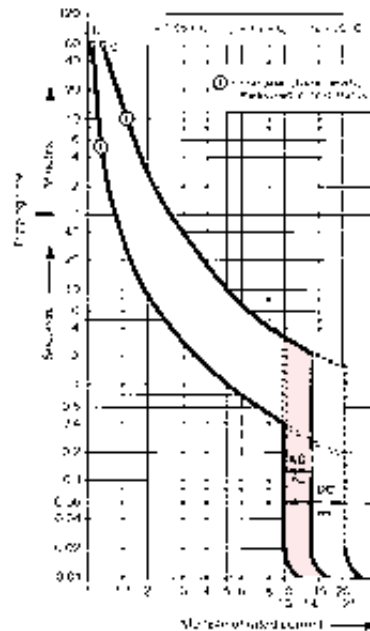
#### Inductive loads

- K Curve
- Designed for allowing higher in-rush currents during system start up
- Example: motors, transformers

#### Accessories & technical data

**Accessories** – See page 15.26

**Technical data** – See page 15.76 - 15.82



Note: This breaker for AC use only

## S200P-Z, 480Y/277 VAC Supplemental protectors UL 1077, CSA 22.2

# Z



S201P-Z



S202P-Z



S203P-Z

No. of poles	Rated current	Catalog number	No. of poles	Rated current	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
	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		
50	S201P-Z50	50	S203P-Z50		
63	S201P-Z63	63	S203P-Z63		
2	0.5	S202P-Z0.5			
	1	S202P-Z1			
	1.6	S202P-Z1.6			
	2	S202P-Z2			
	3	S202P-Z3			
	4	S202P-Z4			
	6	S202P-Z6			
	8	S202P-Z8			
	10	S202P-Z10			
	16	S202P-Z16			
	20	S202P-Z20			
	25	S202P-Z25			
	32	S202P-Z32			
40	S202P-Z40				
50	S202P-Z50				
63	S202P-Z63				

### Tripping characteristic Z

UL 1077  
480Y/277 VAC  
10 kA

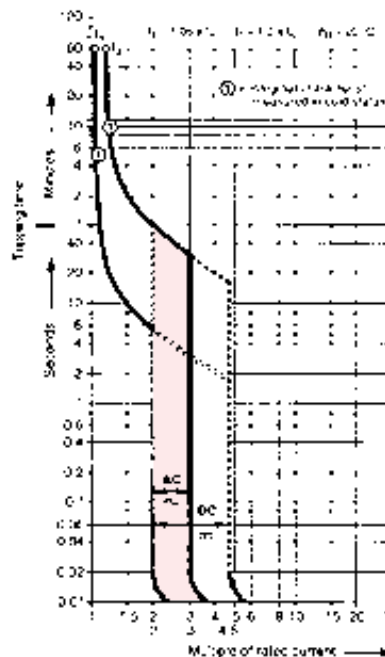
#### Resistive loads

- Z Curve
- Designed to provide maximum protection with a very low short circuit trip setting
- Example: semiconductors

#### Accessories & technical data

**Accessories** – See page 15.26

**Technical data** – See page 15.76 - 15.82



Note: This breaker for AC use only

## Technical data

### S200, S200P, S280UC, S280W, S290 UL 1077, CSA 22.2

Technical data	S200	S200P	S290
Specifications:	UL 1077, CSA C 22.2, VDE 0660, IEC 898, 947		UL 1077, IEC 898
UL File-Number:	E 76126 UL CL		
No. of poles:	1, 2, 3 & 4		1, 2, 3 & 4
Tripping characteristics:	B, C & D	K & Z	C
Rated current:	0.5-63 A	0.2-63 A	80-125A
Rated voltage:	Multi pole: 480Y/277 VAC		230Y/440VAC
Short circuit capacity:	S200 6kA; S200P 10 kA		—
Frequency:	50/60 Hz		50/60 Hz
Degree of protection:	IP 20		IP 20
Mounting position:	Vertical, horizontal		Vertical, horizontal
Fixing:	35mm DIN rail		35mm DIN rail
Clamps only for Cu:	18 ... 4 AWG		14-1/0 AWG
Service life, mech. and at rated load:	20,000 operations		10,000
Tightening torque:	17.5 in. lbs (1.978 Nm)		4.5 in. lbs
Ambient temperature:	- 25°C ... - 13°F / 70°C ... 158°F		-5°C... 23°F / 45°C... 113
Shock resistance:	10 g at least 2 impacts shock duration of 13 ms		30g min. of 2 impacts, shock duration of 13 ms

#### Auxiliary contact S2C-H6RU and Signal contact S2C-S6RU for S200U and S200UP

Rated current:	10
Rated voltage AC / DC:	24
Contact:	1 pole, single throw
Connection capacity mm <sup>2</sup>	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-A1U	S2C-A2U
Rated voltage	AC	12 ... 60 V	110 ... 415 V
	DC	12 ... 60 V	110 ... 250 V
Max. release duration		< 10 ms	< 10 ms
Min. release voltage	AC	7 V	55 V
	DC	10 V	80 V
Consumption on release	AD	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 <sup>2</sup>	18...6/0.75 – 16 AWG/mm <sup>2</sup>
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 60947-1									
Rated voltage	AC	12 V	24 V	24 V	48 V	48 V	110 V	110 V	230 V	230 V	400 V
	DC										
Frequency		50 ... 60 Hz									
Release trip		0.35 UnOVO 0.7 Un V									
Terminals		2 x 16/2 x 1.5 AWG/mm <sup>2</sup>									
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 data

## S200 & S200P

### UL 1077, CSA 22.2

#### Internal resistance and power loss

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

Type	Rated current A	Device series B, C, D <sup>①</sup>		Device series K		Device series Z	
		mΩ	W	mΩ	W	mΩ	W
S200 & S200P	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	2.5	53.9	3.45
	10	13.3	1.3	12.6	1.26	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

#### Temperature derating

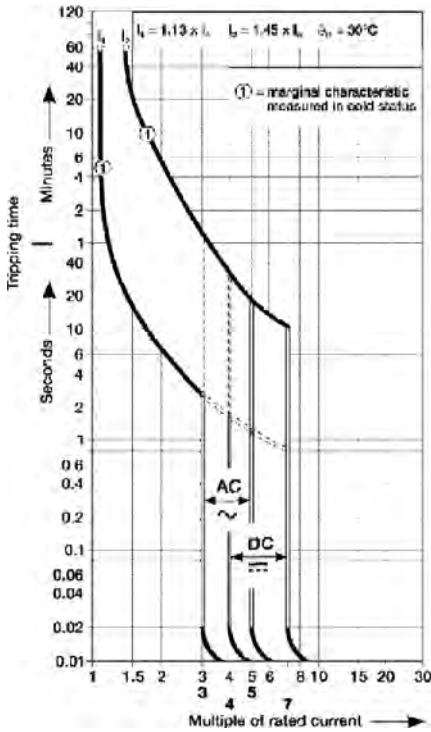
Max operating current depending on the ambient temperature of a circuit breaker characteristics type B, C and D

B,C & D	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	112.8	107.2	101.8

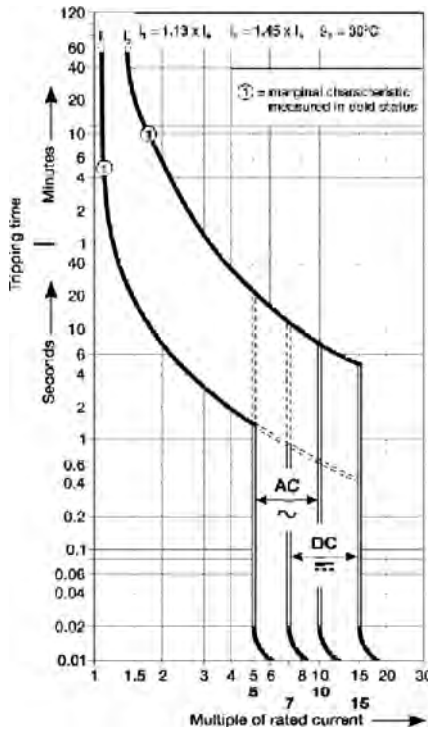
# Technical data

S200, S200P, S280UC, S280W, S290  
UL 1077, CSA 22.2

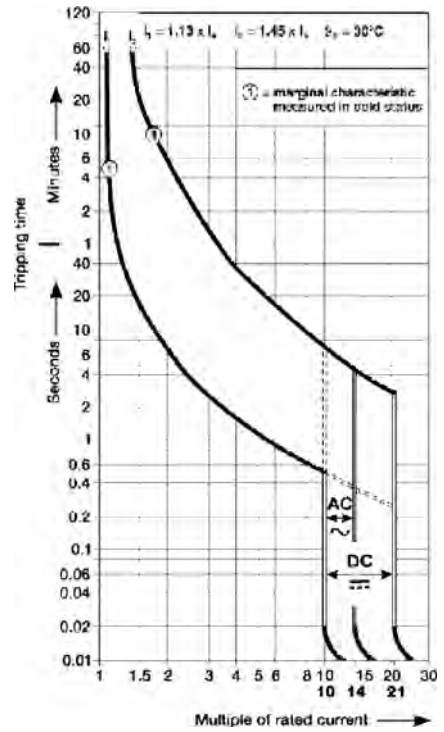
Tripping characteristic B



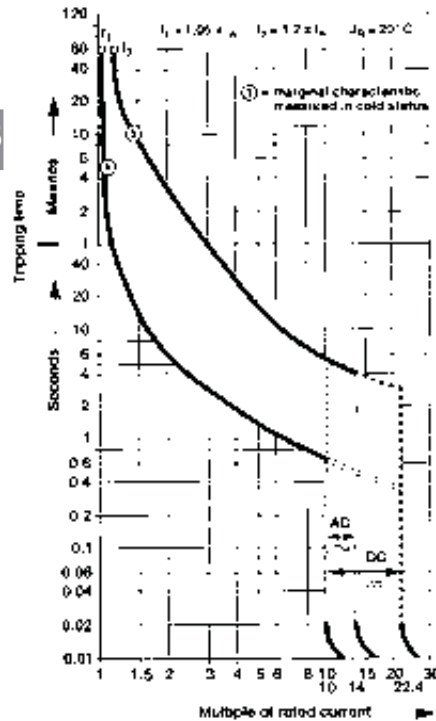
Tripping characteristic C



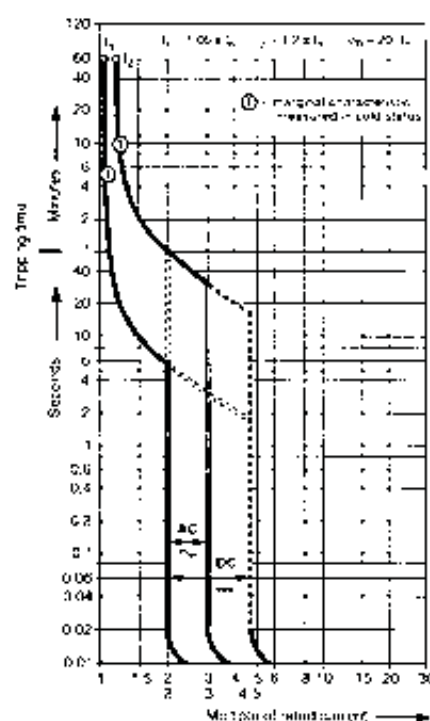
Tripping characteristic D



Tripping characteristic K



Tripping characteristic Z



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