S200 Series Miniature Circuit Breakers

S200
UL 1077 Series

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

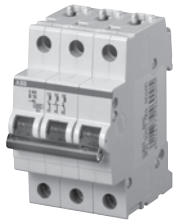
	S200	S200P	S280UC	S290
Amperage	0.5 – 63 A	0.2 – 63 A	0.2 – 63 A	80 - 125 A
Voltage	480Y/277 VAC	480Y/277 VAC	500 VDC	480Y/277 VAC
Poles	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3	1, 2, 3, 4
Trip characteristics	B, C, D, K	K, Z	K, Z	C
Interrupting ratings	6 kA: IEC 60898 6 kA: UL 1077 6 kA: CSA C22.2 #235	10kA: IEC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

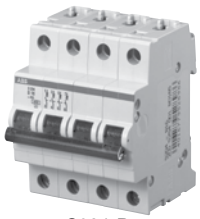
S200-B, 480Y/277 VAC
Supplemental protectors
UL 1077, CSA 22.2

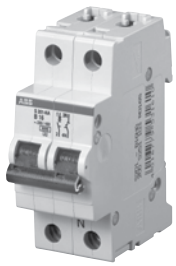
B

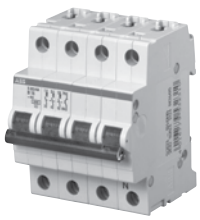
S201-B

S202-B


S203-B


S204-B

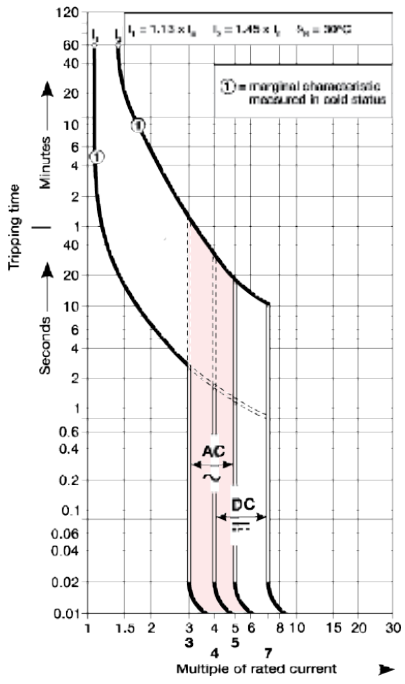

S201-BNA


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.

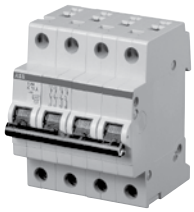
S200-C, 480Y/277 VAC
Supplemental protectors
UL 1077, CSA 22.2

C

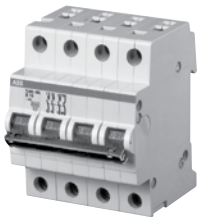
S201-C

S202-C

S203-C


S204-C

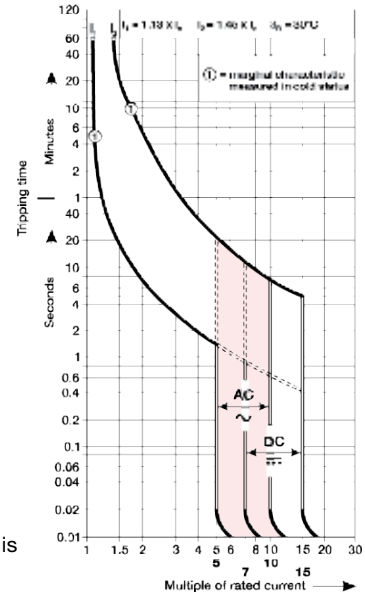
S201-CNA


S203-CNA

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



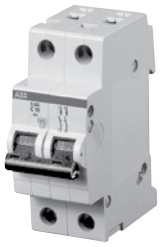
Accessories & technical data
Accessories – See page 15.26
Technical data – See page 15.76 - 15.82

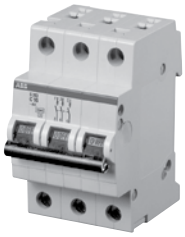
Note: This breaker for AC use only. Switching neutral is noted by “NA” in the catalog number.

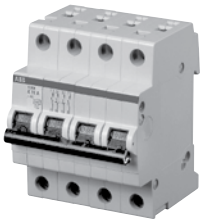
S200-D, 480Y/277 VAC
Supplemental protectors
UL 1077, CSA 22.2

D

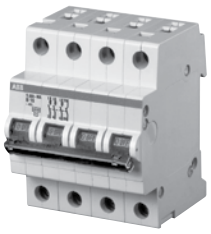
S201-D


S202-D


S203-D


S204-D

S201-DNA

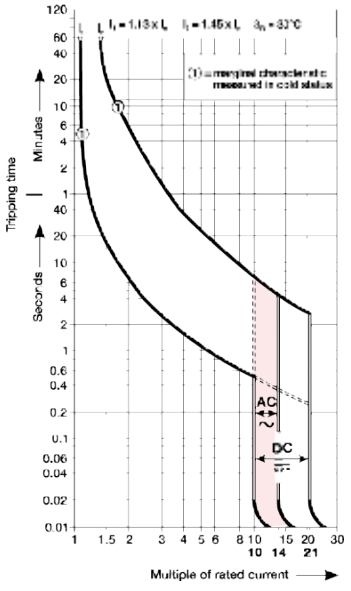

S203-DNA

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

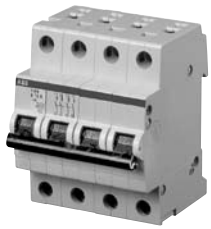
S200-K, 480Y/277 VAC
Supplemental protectors
UL 1077, CSA 22.2

K

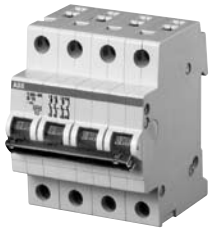
S201-K

S202-K

S203-K


S204-K

S201-KNA

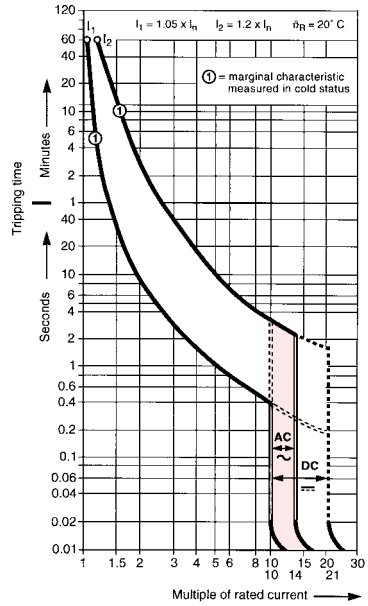

S203-KNA

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

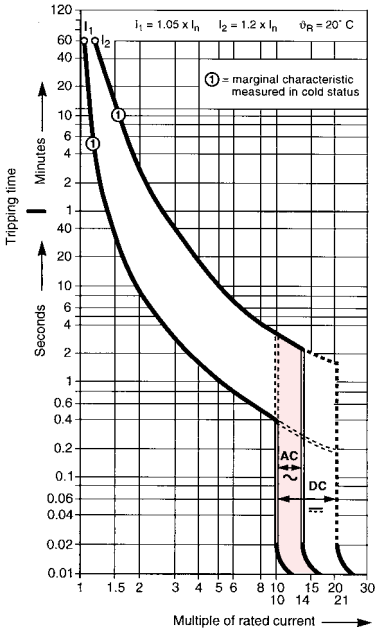
S203P-K

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



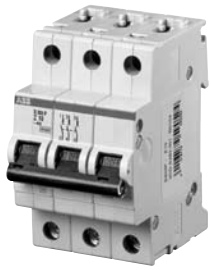
Note: This breaker for AC use only

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

Z

S201P-Z

S202P-Z



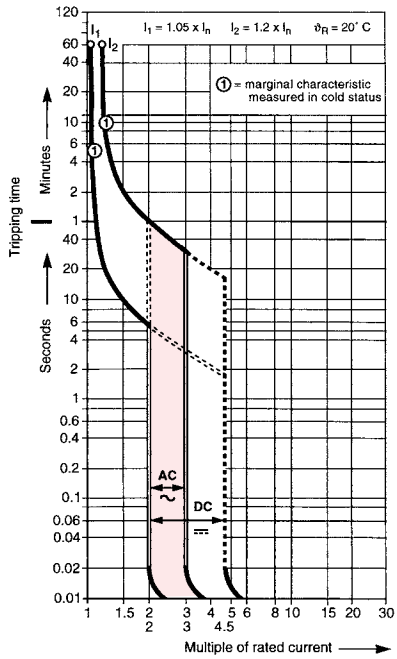
S203P-Z

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

S280W-K 480Y/277 VAC
Supplemental protectors, ring tongue
UL 1077, CSA 22.2

K

S281-KW

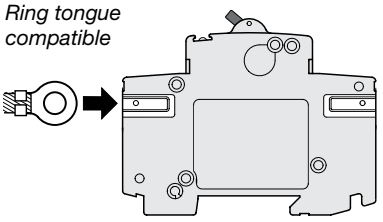
S282-KW

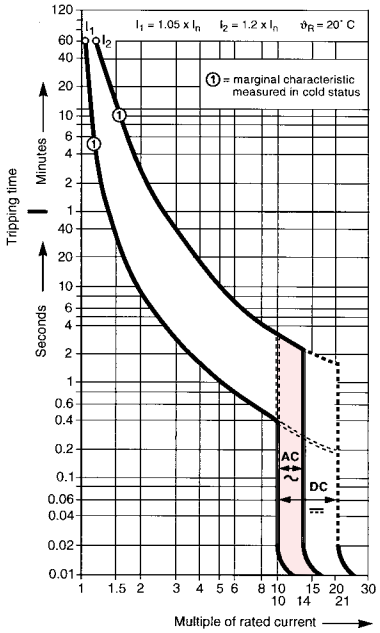
S283-KW

No. of poles	Rated current	Catalog number	No. of poles	Rated current	Catalog number
1	0.2	**S281-K0.2W**	3	0.2	**S283-K0.2W**
	0.3	**S281-K0.3W**		0.3	**S283-K0.3W**
	0.5	**S281-K0.5W**		0.5	**S283-K0.5W**
	0.75	**S281-K0.75W**		0.75	**S283-K0.75W**
	1	**S281-K1W**		1	**S283-K1W**
	1.6	**S281-K1.6W**		1,6	**S283-K1,6W**
	2	**S281-K2W**		2	**S283-K2W**
	3	**S281-K3W**		3	**S283-K3W**
	4	**S281-K4W**		4	**S283-K4W**
	6	**S281-K6W**		6	**S283-K6W**
	8	**S281-K8W**		8	**S283-K8W**
	10	**S281-K10W**		10	**S283-K10W**
	13	**S281-K13W**		13	**S283-K13W**
	16	**S281-K16W**		16	**S283-K16W**
	20	**S281-K20W**		20	**S283-K20W**
	25	**S281-K25W**		25	**S283-K25W**
	32	**S281-K32W**		32	**S283-K32W**
	40	**S281-K40W**		40	**S283-K40W**
	50	**S281-K50W**		50	**S283-K50W**
	63	**S281-K63W**		63	**S283-K63W**
2	0.2	**S282-K0.2W**			
	0.3	**S282-K0.3W**			
	0.5	**S282-K0.5W**			
	0.75	**S282-K0.75W**			
	1	**S282-K1W**			
	1.6	**S282-K1,6W**			
	2	**S282-K2W**			
	3	**S282-K3W**			
	4	**S282-K4W**			
	6	**S282-K6W**			
	8	**S282-K8W**			
	10	**S282-K10W**			
	13	**S282-K13W**			
	16	**S282-K16W**			
	20	**S282-K20W**			
	25	**S282-K25W**			
	32	**S282-K32W**			
	40	**S282-K40W**			
	50	**S282-K50W**			
	63	**S282-K63W**			

Tripping characteristic K

Ring tongue compatible





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

S280UC-K, 500 VDC
Supplemental protectors
UL 1077, CSA 22.2

K

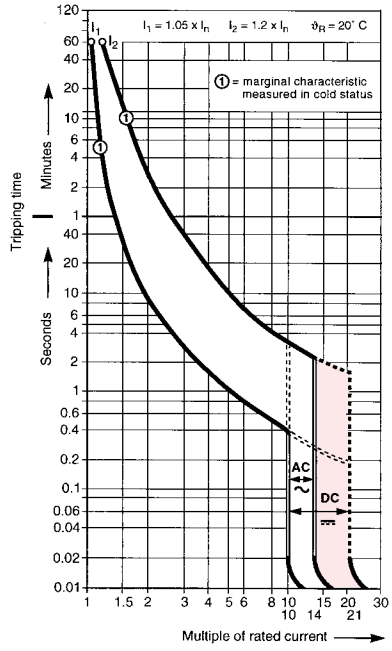
S281UC-K

S282UC-K

S283UC-K

No. of poles	Rated current	Catalog number
1	0,2	**S281UC-K0,2**
	0,3	**S281UC-K0,3**
	0,5	**S281UC-K0,5**
	0,75	**S281UC-K0,75**
	1	**S281UC-K1**
	1,6	**S281UC-K1,6**
	2	**S281UC-K2**
	3	**S281UC-K3**
	4	**S281UC-K4**
	6	**S281UC-K6**
	8	**S281UC-K8**
	10	**S281UC-K10**
	16	**S281UC-K16**
	20	**S281UC-K20**
	25	**S281UC-K25**
	32	**S281UC-K32**
	40	**S281UC-K40**
	50	**S281UC-K50**
	63	**S281UC-K63**
2	0,2	**S282UC-K0,2**
	0,3	**S282UC-K0,3**
	0,5	**S282UC-K0,5**
	0,75	**S282UC-K0,75**
	1	**S282UC-K1**
	1,6	**S282UC-K1,6**
	2	**S282UC-K2**
	3	**S282UC-K3**
	4	**S282UC-K4**
	6	**S282UC-K6**
	8	**S282UC-K8**
	10	**S282UC-K10**
	16	**S282UC-K16**
	20	**S282UC-K20**
	25	**S282UC-K25**
	32	**S282UC-K32**
	40	**S282UC-K40**
	50	**S282UC-K50**
	63	**S282UC-K63**
3	0.2	**S283UC-K0.2**
	0.3	**S283UC-K0.3**
	0.5	**S283UC-K0.5**
	0.75	**S283UC-K0.75**
	1	**S283UC-K1**
	1.6	**S283UC-K1.6**
	2	**S283UC-K2**
	3	**S283UC-K3**
	4	**S283UC-K4**
	6	**S283UC-K6**
	8	**S283UC-K8**
	10	**S283UC-K10**
	16	**S283UC-K16**
	20	**S283UC-K20**
	25	**S283UC-K25**
	32	**S283UC-K32**
	40	**S283UC-K40**
	50	**S283UC-K50**
	63	**S283UC-K63**

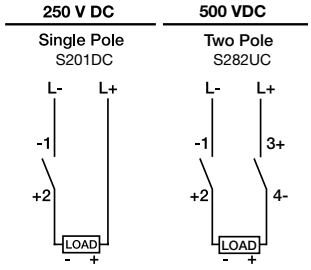
Tripping characteristic K
UL 1077
500 VDC
10 kA
Inductive loads
- K Curve
- Designed for allowing higher in-rush currents during system start up
- Example: motors, transformer



Direct current applications
The S280UC differs from standard miniature circuit breakers in that the UC versions include a permanent magnet which aids in the extinguishing of the arc during medium and high level faults. It is necessary to observe the correct polarity and current direction when connecting the UC breakers. Two examples of correct connection are shown.

Termination points are marked on all UC type MCBs, points one (1) and four (4) are negative and points two (2) and three (3) are positive.

Note: This breaker for DC use only



Accessories & technical data
Accessories – See page 15.26
Technical data – See page 15.76 - 15.82

S280UC-Z, 500 VDC
Supplemental protectors
UL 1077, CSA 22.2

Z

S281UC-Z

S282UC-Z

S283UC-Z

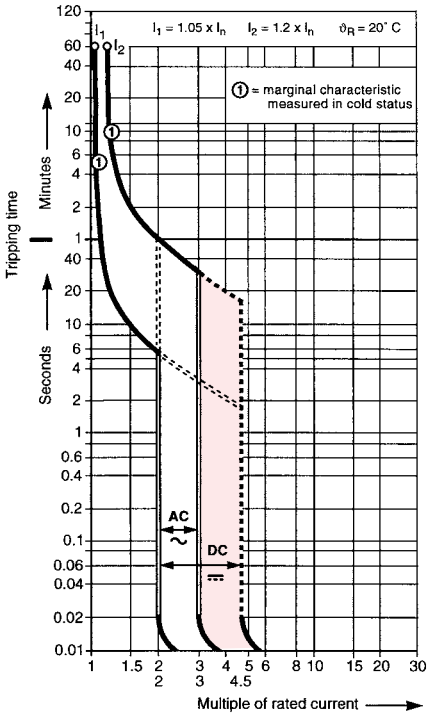
No. of poles	Rated current	Catalog number
1	0.5	**S281UC-Z0.5**
	1	**S281UC-Z1**
	1.6	**S281UC-Z1.6**
	2	**S281UC-Z2**
	3	**S281UC-Z3**
	4	**S281UC-Z4**
	6	**S281UC-Z6**
	8	**S281UC-Z8**
	10	**S281UC-Z10**
	16	**S281UC-Z16**
	20	**S281UC-Z20**
	25	**S281UC-Z25**
	32	**S281UC-Z32**
	40	**S281UC-Z40**
	50	**S281UC-Z50**
	63	**S281UC-Z63**
2	0.5	**S282UC-Z0.5**
	1	**S282UC-Z1**
	1.6	**S282UC-Z1.6**
	2	**S282UC-Z2**
	3	**S282UC-Z3**
	4	**S282UC-Z4**
	6	**S282UC-Z6**
	8	**S282UC-Z8**
	10	**S282UC-Z10**
	16	**S282UC-Z16**
	20	**S282UC-Z20**
	25	**S282UC-Z25**
	32	**S282UC-Z32**
	40	**S282UC-Z40**
	50	**S282UC-Z50**
	63	**S282UC-Z63**
3	0.5	**S283UC-Z0.5**
	1	**S283UC-Z1**
	1.6	**S283UC-Z1.6**
	2	**S283UC-Z2**
	3	**S283UC-Z3**
	4	**S283UC-Z4**
	6	**S283UC-Z6**
	8	**S283UC-Z8**
	10	**S283UC-Z10**
	16	**S283UC-Z16**
	20	**S283UC-Z20**
	25	**S283UC-Z25**
	32	**S283UC-Z32**
	40	**S283UC-Z40**
	50	**S283UC-Z50**
	63	**S283UC-Z63**

Tripping characteristic Z
UL 1077
500 VDC
10 kA

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

Accessories
See page 15.26

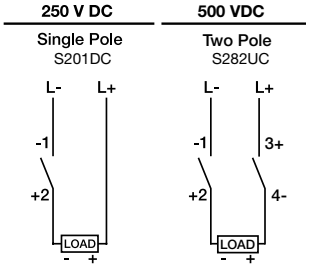
Technical data
See page 15.76 - 15.82



Direct current applications
The S280UC differs from standard miniature circuit breakers in that the UC versions include a permanent magnet which aids in the extinguishing of the arc during medium and high level faults. It is necessary to observe the correct polarity and current direction when connecting the UC breakers. Two examples of correct connection are shown.

Termination points are marked on all UC type MCBs, points one (1) and four (4) are negative and points two (2) and three (3) are positive.

Note: This breaker for DC use only



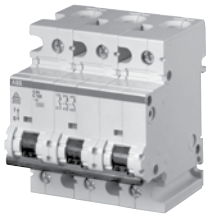
Accessories & technical data
Accessories – See page 15.26
Technical data – See page 15.76 - 15.82

S290
480Y/277 VAC
UL 1077, CSA 22.2

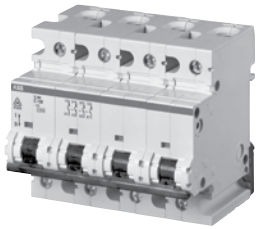
C

S291-C

S292-C



S293-C



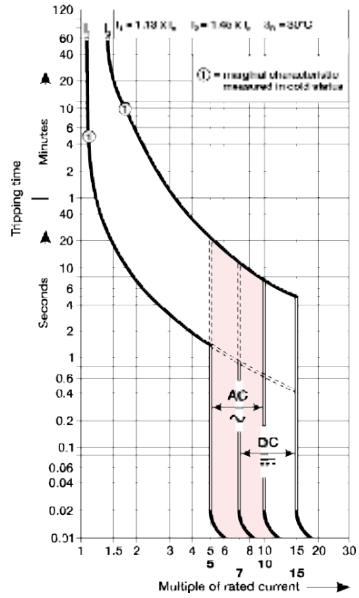
S294-C

No. of poles	Rated current	Catalog number
1	80	**S291-C80**
	100	**S291-C100**
	125	**S291-C125**
2	80	**S292-C80**
	100	**S292-C100**
	125	**S292-C125**
3	80	**S293-C80**
	100	**S293-C100**
	125	**S293-C125**
4	80	**S294-C80**
	100	**S294-C100**
	125	**S294-C125**

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 15.27
Technical data – See page 15.76 - 15.82



Note: This breaker for AC use only