

S200 UL 489 Series Miniature Circuit Breakers



S200
UL 489 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
- UL 489 Listed - branch circuit protective device. UL File #E212323

	S200U	S200UP	S201DC
Amperage	0.2 – 63	0.2 – 25	1 – 25
Voltage	240 VAC	480Y/277VAC	60 VDC
Poles	1, 2, 3, 4	1, 2, 3, 4	1
Trip characteristics	K, Z	K, Z	K, Z
Interrupting ratings	10 kA: IEC 947-2 10 kA: UL 489 10 kA: CSA C22.2 No. 5	10 kA: IEC 947-2 10 kA: UL 489 10 kA: CSA C22.2 No. 5	10 kA: UL489 10 kA: CSA C22.2
Auxiliary contacts	Yes	Yes	Yes
Bell alarm	Yes	Yes	Yes
Shunt trip	Yes	Yes	Yes
Undervoltage release	No	No	No
Bus bar	Yes	Yes	Yes

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S200U-K, 240 VAC

Branch circuit protection

UL 489, CSA C 22.2

K



S201U-K



S202U-K



S203U-K



S204U-K

No. of poles	Rated current	Catalog number	No. of poles	Rated current	Catalog number
1	0.2	S201U-K0.2	3	0.2	S203U-K0.2
	0.3	S201U-K0.3		0.3	S203U-K0.3
	0.5	S201U-K0.5		0.5	S203U-K0.5
	0.75	S201U-K0.75		0.75	S203U-K0.75
	1	S201U-K1		1	S203U-K1
	1.6	S201U-K1.6		1.6	S203U-K1.6
	2	S201U-K2		2	S203U-K2
	3	S201U-K3		3	S203U-K3
	4	S201U-K4		4	S203U-K4
	5	S201U-K5		5	S203U-K5
	6	S201U-K6		6	S203U-K6
	8	S201U-K8		8	S203U-K8
	10	S201U-K10		10	S203U-K10
	15	S201U-K15		15	S203U-K15
	16	S201U-K16		16	S203U-K16
	20	S201U-K20		20	S203U-K20
	25	S201U-K25		25	S203U-K25
	30	S201U-K30		30	S203U-K30
2	0.2	S202U-K0.2	4	0.2	S204U-K0.2
	0.3	S202U-K0.3		0.3	S204U-K0.3
	0.5	S202U-K0.5		0.5	S204U-K0.5
	0.75	S202U-K0.75		0.75	S204U-K0.75
	1	S202U-K1		1	S204U-K1
	1.6	S202U-K1.6		1.6	S204U-K1.6
	2	S202U-K2		2	S204U-K2
	3	S202U-K3		3	S204U-K3
	4	S202U-K4		4	S204U-K4
	5	S202U-K5		5	S204U-K5
	6	S202U-K6		6	S204U-K6
	8	S202U-K8		8	S204U-K8
	10	S202U-K10		10	S204U-K10
	15	S202U-K15		15	S204U-K15
	16	S202U-K16		16	S204U-K16
	20	S202U-K20		20	S204U-K20
	25	S202U-K25		25	S204U-K25
	30	S202U-K30		30	S204U-K30
	32	S202U-K32		32	S204U-K32
	40	S202U-K40		40	S204U-K40
	50	S202U-K50		50	S204U-K50
	60	S202U-K60		60	S204U-K60
	63	S202U-K63		63	S204U-K63

Tripping characteristic K

UL 489
240 VAC
10 kA

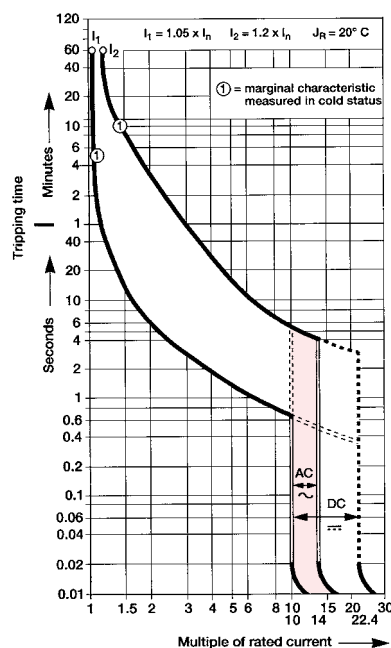
Inductive loads

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

Accessories & technical data

Accessories – See page 15.7

Technical data – See page 15.76 - 15.82



Note: This breaker for AC use only

S200U-Z, 240 VAC

Branch circuit protection

UL 489, CSA C 22.2

Miniature
circuit breakers

Z



S201U-Z



S202U-Z



S203U-Z



S204U-Z

No. of poles	Rated current	Catalog number	No. of poles	Rated current	Catalog number
1	0.5	S201U-Z0.5	3	0.5	S203U-Z0.5
	1	S201U-Z1		1	S203U-Z1
	1.6	S201U-Z1.6		1.6	S203U-Z1.6
	2	S201U-Z2		2	S203U-Z2
	3	S201U-Z3		3	S203U-Z3
	4	S201U-Z4		4	S203U-Z4
	5	S201U-Z5		5	S203U-Z5
	6	S201U-Z6		6	S203U-Z6
	8	S201U-Z8		8	S203U-Z8
	10	S201U-Z10		10	S203U-Z10
	15	S201U-Z15		15	S203U-Z15
	16	S201U-Z16		16	S203U-Z16
	20	S201U-Z20		20	S203U-Z20
	25	S201U-Z25		25	S203U-Z25
	30	S201U-Z30		30	S203U-Z30
	32	S201U-Z32		32	S203U-Z32
	40	S201U-Z40		40	S203U-Z40
2	0.5	S202U-Z0.5	4	0.5	S204U-Z0.5
	1	S202U-Z1		1	S204U-Z1
	1.6	S202U-Z1.6		1.6	S204U-Z1.6
	2	S202U-Z2		2	S204U-Z2
	3	S202U-Z3		3	S204U-Z3
	4	S202U-Z4		4	S204U-Z4
	5	S202U-Z5		5	S204U-Z5
	6	S202U-Z6		6	S204U-Z6
	8	S202U-Z8		8	S204U-Z8
	10	S202U-Z10		10	S204U-Z10
	15	S202U-Z15		15	S204U-Z15
	16	S202U-Z16		16	S204U-Z16
	20	S202U-Z20		20	S204U-Z20
	25	S202U-Z25		25	S204U-Z25
	30	S202U-Z30		30	S204U-Z30
	32	S202U-Z32		32	S204U-Z32
	40	S202U-Z40		40	S204U-Z40
	50	S202U-Z50		50	S204U-Z50
	60	S202U-Z60		60	S204U-Z60
	63	S202U-Z63		63	S204U-Z63

Tripping characteristic Z

UL 489
240 VAC
10 kA

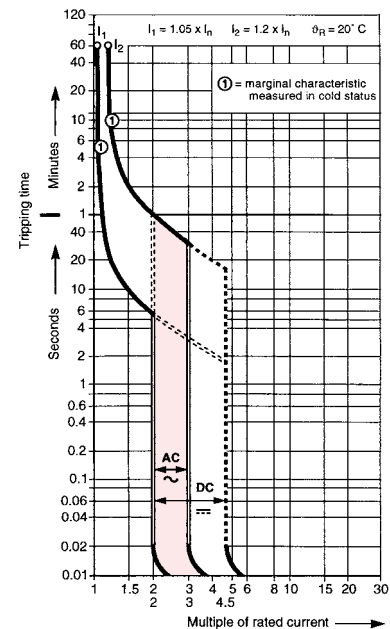
Resistive loads

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

Accessories & technical data

Accessories – See page 15.7

Technical data – See page 15.76 - 15.82



Note: This breaker for AC use only

S200UP-K, 480Y/277 VAC

Branch circuit protection

UL 489, CSA C 22.2

K



S201UP-K



S202UP-K



S203UP-K



S204UP-K

No. of poles	Rated current	Catalog number	No. of poles	Rated current	Catalog number
1	0.2	S201UP-K0.2	3	0.2	S203UP-K0.2
	0.3	S201UP-K0.3		0.3	S203UP-K0.3
	0.5	S201UP-K0.5		0.5	S203UP-K0.5
	0.75	S201UP-K0.75		0.75	S203UP-K0.75
	1	S201UP-K1		1	S203UP-K1
	1.6	S201UP-K1.6		1.6	S203UP-K1.6
	2	S201UP-K2		2	S203UP-K2
	3	S201UP-K3		3	S203UP-K3
	4	S201UP-K4		4	S203UP-K4
	5	S201UP-K5		5	S203UP-K5
	6	S201UP-K6		6	S203UP-K6
	8	S201UP-K8		8	S203UP-K8
	10	S201UP-K10		10	S203UP-K10
2	0.2	S202UP-K0.2	4	0.2	S204UP-K0.2
	0.3	S202UP-K0.3		0.3	S204UP-K0.3
	0.5	S202UP-K0.5		0.5	S204UP-K0.5
	0.75	S202UP-K0.75		0.75	S204UP-K0.75
	1	S202UP-K1		1	S204UP-K1
	1.6	S202UP-K1.6		1.6	S204UP-K1.6
	2	S202UP-K2		2	S204UP-K2
	3	S202UP-K3		3	S204UP-K3
	4	S202UP-K4		4	S204UP-K4
	5	S202UP-K5		5	S204UP-K5
	6	S202UP-K6		6	S204UP-K6
	8	S202UP-K8		8	S204UP-K8
	10	S202UP-K10		10	S204UP-K10
	15	S202UP-K15		15	S204UP-K15
	16	S202UP-K16		16	S204UP-K16
	20	S202UP-K20		20	S204UP-K20
	25	S202UP-K25		25	S204UP-K25

Tripping characteristic K

UL 489
480Y/277 VAC
10 kA

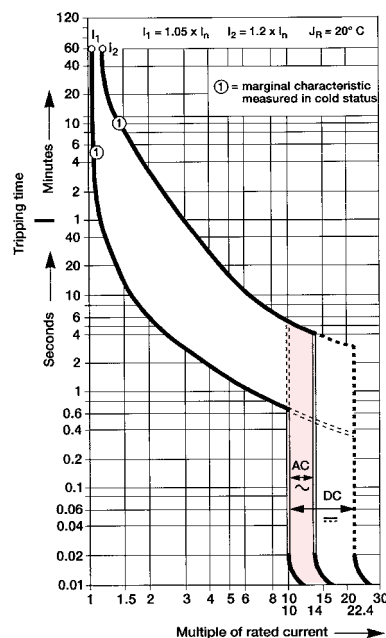
Inductive loads

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

Accessories & technical data

Accessories – See page 15.7

Technical data – See page 15.76 - 15.82



Note: This breaker for AC use only

S200UP-Z, 277/480Y/277 VAC

Branch circuit protection

UL 489, CSA C 22.2

Miniature
circuit breakers

Z



S201UP-Z



S202UP-Z



S203UP-Z



S204UP-Z

No. of poles	Rated current	Catalog number	No. of poles	Rated current	Catalog number
1	0.5	S201UP-Z0.5	3	0.5	S203UP-Z0.5
	1	S201UP-Z1		1	S203UP-Z1
	1.6	S201UP-Z1.6		1.6	S203UP-Z1.6
	2	S201UP-Z2		2	S203UP-Z2
	3	S201UP-Z3		3	S203UP-Z3
	4	S201UP-Z4		4	S203UP-Z4
	5	S201UP-Z5		5	S203UP-Z5
	6	S201UP-Z6		6	S203UP-Z6
	8	S201UP-Z8		8	S203UP-Z8
	10	S201UP-Z10		10	S203UP-Z10
	15	S201UP-Z15		15	S203UP-Z15
	16	S201UP-Z16		16	S203UP-Z16
2	20	S201UP-Z20	4	20	S203UP-Z20
	25	S201UP-Z25		25	S203UP-Z25
	0.5	S202UP-Z0.5		0.5	S204UP-Z0.5
	1	S202UP-Z1		1	S204UP-Z1
	1.6	S202UP-Z1.6		1.6	S204UP-Z1.6
	2	S202UP-Z2		2	S204UP-Z2
	3	S202UP-Z3		3	S204UP-Z3
	4	S202UP-Z4		4	S204UP-Z4
	5	S202UP-Z5		5	S204UP-Z5
	6	S202UP-Z6		6	S204UP-Z6
	8	S202UP-Z8		8	S204UP-Z8
	10	S202UP-Z10		10	S204UP-Z10
	15	S202UP-Z15		15	S204UP-Z15
	16	S202UP-Z16		16	S204UP-Z16
	20	S202UP-Z20		20	S204UP-Z20
	25	S202UP-Z25		25	S204UP-Z25

Tripping characteristic Z

UL 489

480Y/277 VAC

10 kA

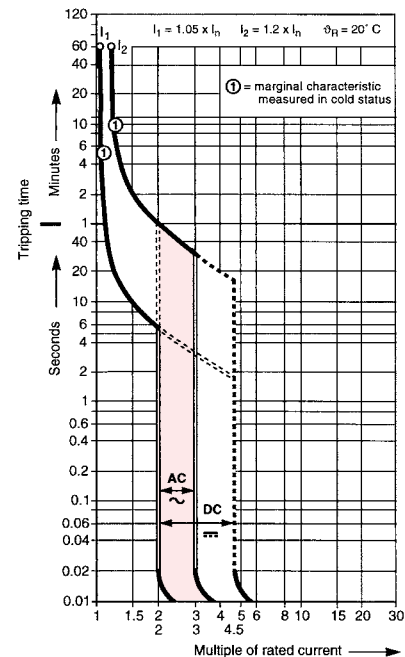
Resistive loads

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

Accessories & technical data

Accessories – See page 15.7

Technical data – See page 15.76 - 15.82



Note: This breaker for AC use only

S201DC, 60 VDC

Branch circuit protection

UL 489, CSA C 22.2

K, Z



S201DC-K



S201DC-Z

No. of poles	Rated current	Catalog number
1	1	S201DC-K1
	1.6	S201DC-K1.6
	2	S201DC-K2
	3	S201DC-K3
	4	S201DC-K4
	6	S201DC-K6
	8	S201DC-K8
	10	S201DC-K10
	13	S201DC-K13
	16	S201DC-K16
	20	S201DC-K20
	25	S201DC-K25
1	1	S201DC-Z1
	1.6	S201DC-Z1.6
	2	S201DC-Z2
	3	S201DC-Z3
	4	S201DC-Z4
	6	S201DC-Z6
	8	S201DC-Z8
	10	S201DC-Z10
	16	S201DC-Z16
	20	S201DC-Z20
	25	S201DC-Z25

Tripping characteristic K

UL 489
60 VDC
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 15.7

Technical data – See page 15.76 - 15.82

Tripping characteristic Z

UL 489
60 VDC
10 kA

Resistive loads

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

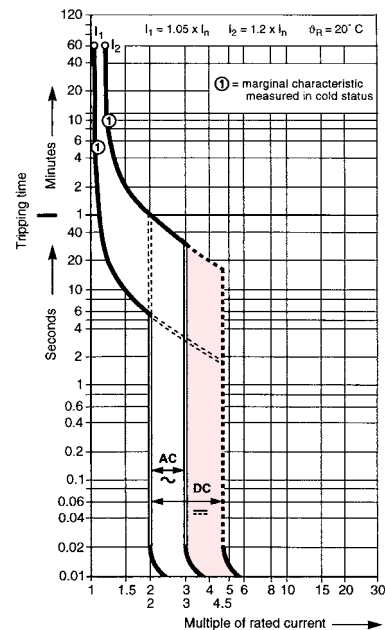
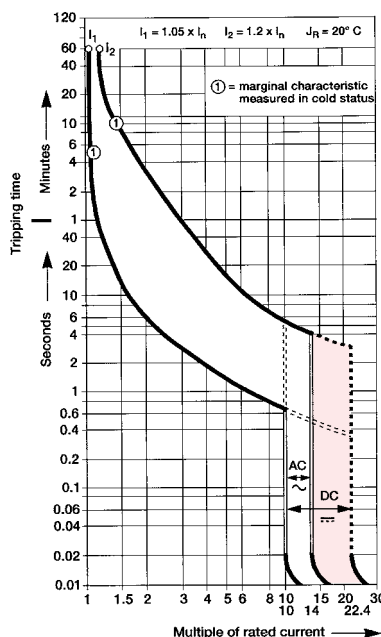
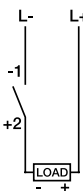
Accessories & technical data

Accessories – See page 15.7

Technical data – See page 15.76 - 15.82

60 VDC

Single Pole
S201DC



Note: This breaker for DC use only.