

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

# 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    |               |                |
| 32           | S201U-K32     | 32             | S203U-K32    |               |                |
| 40           | S201U-K40     | 40             | S203U-K40    |               |                |
| 50           | S201U-K50     | 50             | S203U-K50    |               |                |
| 60           | S201U-K60     | 60             | S203U-K60    |               |                |
| 63           | S201U-K63     | 63             | S203U-K63    |               |                |
| 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

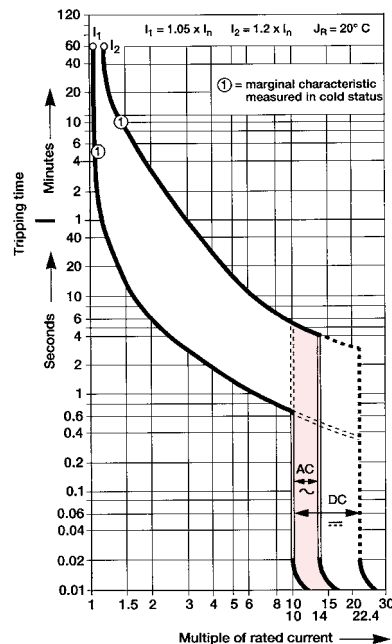
#### Inductive loads

- 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    |               |                |
| 50           | S201U-Z50     | 50             | S203U-Z50    |               |                |
| 60           | S201U-Z60     | 60             | S203U-Z60    |               |                |
| 63           | S201U-Z63     | 63             | S203U-Z63    |               |                |
| 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

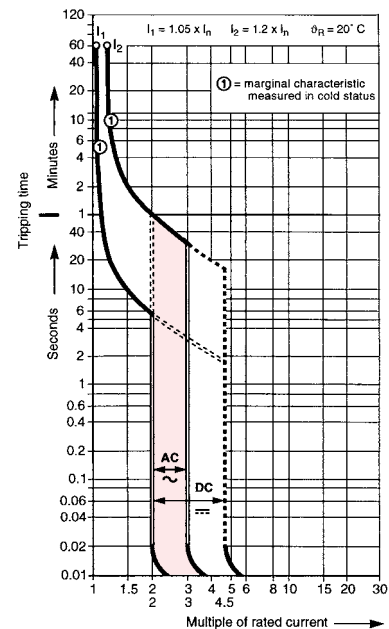
#### Resistive loads

- 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     |
|              | 15            | S201UP-K15     |              | 15            | S203UP-K15     |
|              | 16            | S201UP-K16     |              | 16            | S203UP-K16     |
| 20           | S201UP-K20    | 20             | S203UP-K20   |               |                |
| 25           | S201UP-K25    | 25             | S203UP-K25   |               |                |
| 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

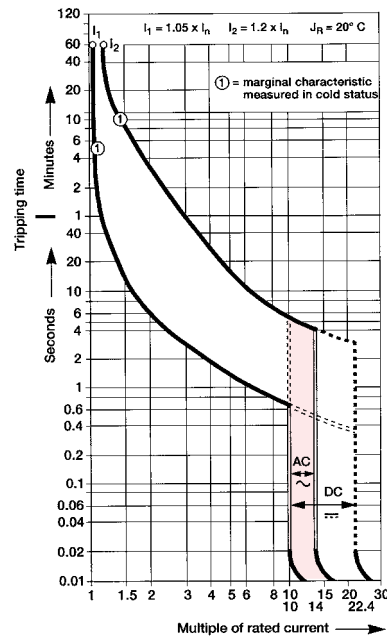
#### Inductive loads

- 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

# 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     |
| 20           | S201UP-Z20    | 20             | S203UP-Z20   |               |                |
| 25           | S201UP-Z25    | 25             | S203UP-Z25   |               |                |
| 2            | 0.5           | S202UP-Z0.5    | 4            | 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

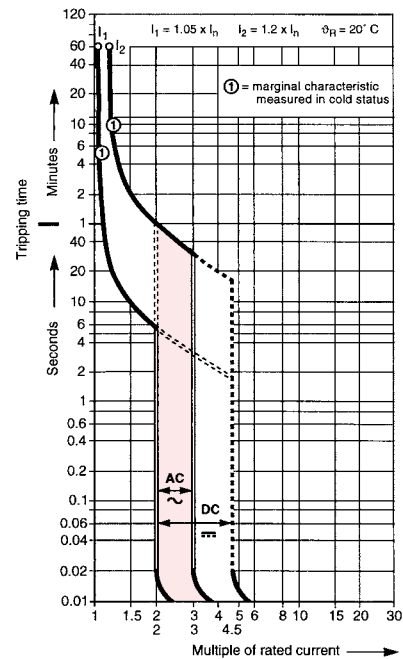
### Resistive loads

- 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     |
| 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

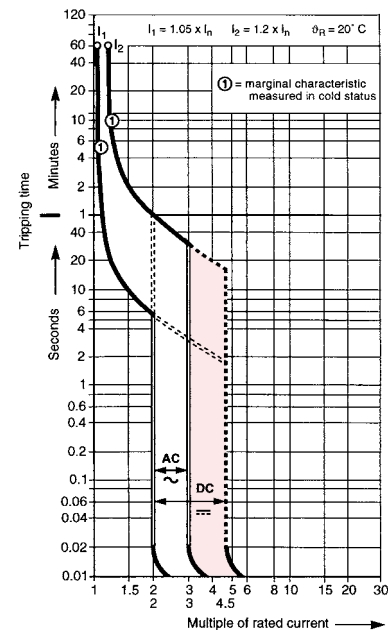
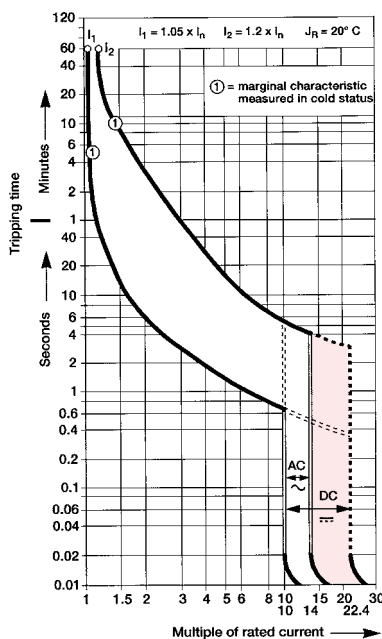
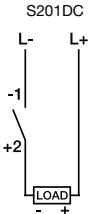
### Accessories & technical data

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.