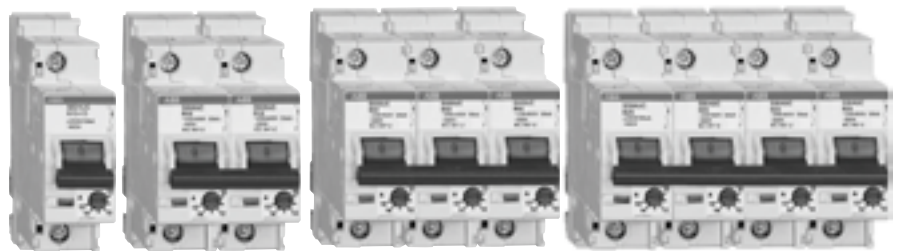


# S500 Miniature circuit breakers



## System pro M compact Miniature Circuit Breakers S500 Series



### Description

Increasing energy requirements result in larger short-circuit currents which place heavy demands on protective switchgear regarding safety, reliability and switching capacities.

The S500 heavy-duty circuit breaker fulfills these requirements by virtue of its technical features. It is equipped with a thermal and/or electromagnetic release to protect circuits, motors, switchgear and systems from the effects of overload and short-circuit currents.

For the worldwide market, the S500 breakers carry UL, CSA, IEC, CE and many other agency approvals.

### Features

- High breaking capacity
- Energy-limiting
- Current-limiting
- Extremely fast breaking time
- Optimal selectivity
- Various versions for special applications
- Compact dimensions, DIN cap size
- Easy and quick to install
- Easy to connect; finger safe terminals
- Wide range of accessories
- UL 1077 recognized 600VAC and 500VDC versions

UL File # E167556

Spec Tech Industrial 203 Vest Ave. Valley Park, MO 63088 Phone: 888 SPECTECH  
Fax: 636 537-1405 [www.spectechind.com](http://www.spectechind.com)

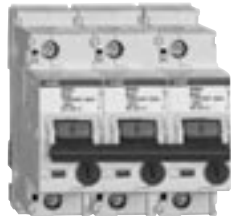
# S500 600Y/277 VAC



S501-C16

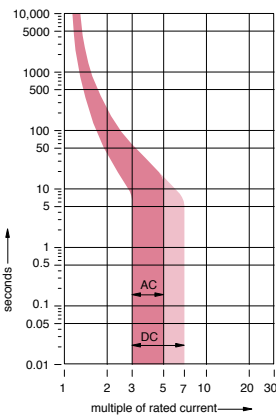


S502-C6

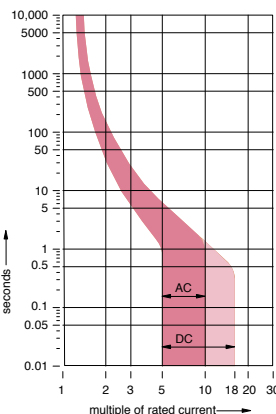


S503-C10

**B**



**C**



**B** UL 1077 CSA C22.2  
VDE 0641 IEC 947-2

| Rated current | Catalog number | List price | Delivery class | Weight (oz.) 1 pc |
|---------------|----------------|------------|----------------|-------------------|
| <b>1 pole</b> |                |            |                |                   |
| 6             | S501-B6        | \$ 168     | B              | 8.90              |
| 10            | S501-B10       | 168        |                |                   |
| 13            | S501-B13       | 168        |                |                   |
| 16            | S501-B16       | 168        |                |                   |
| 20            | S501-B20       | 168        |                |                   |
| 25            | S501-B25       | 168        |                |                   |
| 32            | S501-B32       | 168        |                |                   |
| 40            | S501-B40       | 168        |                |                   |
| 50            | S501-B50       | 186        |                |                   |
| 63            | S501-B63       | 202        |                |                   |
| <b>2 pole</b> |                |            |                |                   |
| 6             | S502-B6        | 328        | B              | 17.85             |
| 10            | S502-B10       | 328        |                |                   |
| 13            | S502-B13       | 328        |                |                   |
| 16            | S502-B16       | 328        |                |                   |
| 20            | S502-B20       | 328        |                |                   |
| 25            | S502-B25       | 328        |                |                   |
| 32            | S502-B32       | 328        |                |                   |
| 40            | S502-B40       | 328        |                |                   |
| 50            | S502-B50       | 362        |                |                   |
| 63            | S502-B63       | 392        |                |                   |
| <b>3 pole</b> |                |            |                |                   |
| 6             | S503-B6        | 478        | B              | 25.36             |
| 10            | S503-B10       | 478        |                |                   |
| 13            | S503-B13       | 478        |                |                   |
| 16            | S503-B16       | 478        |                |                   |
| 20            | S503-B20       | 478        |                |                   |
| 25            | S503-B25       | 478        |                |                   |
| 32            | S503-B32       | 478        |                |                   |
| 40            | S503-B40       | 478        |                |                   |
| 50            | S503-B50       | 526        |                |                   |
| 63            | S503-B63       | 574        |                |                   |

**C** UL 1077 CSA C22.2  
VDE 0641 IEC 947-2

| Rated current | Catalog number | List price | Delivery class | Weight (oz.) 1 pc |
|---------------|----------------|------------|----------------|-------------------|
| <b>1 pole</b> |                |            |                |                   |
| 6             | S501-C6        | \$ 168     | B              | 8.90              |
| 10            | S501-C10       | 168        |                |                   |
| 13            | S501-C13       | 168        |                |                   |
| 16            | S501-C16       | 168        |                |                   |
| 20            | S501-C20       | 168        |                |                   |
| 25            | S501-C25       | 168        |                |                   |
| 32            | S501-C32       | 168        |                |                   |
| 40            | S501-C40       | 168        |                |                   |
| 50            | S501-C50       | 184        |                |                   |
| 63            | S501-C63       | 202        |                |                   |
| <b>2 pole</b> |                |            |                |                   |
| 6             | S502-C6        | 328        | B              | 17.85             |
| 10            | S502-C10       | 328        |                |                   |
| 13            | S502-C13       | 328        |                |                   |
| 16            | S502-C16       | 328        |                |                   |
| 20            | S502-C20       | 328        |                |                   |
| 25            | S502-C25       | 328        |                |                   |
| 32            | S502-C32       | 328        |                |                   |
| 40            | S502-C40       | 328        |                |                   |
| 50            | S502-C50       | 362        |                |                   |
| 63            | S502-C63       | 392        |                |                   |
| <b>3 pole</b> |                |            |                |                   |
| 6             | S503-C6        | 478        | B              | 25.36             |
| 10            | S503-C10       | 478        |                |                   |
| 13            | S503-C13       | 478        |                |                   |
| 16            | S503-C16       | 478        |                |                   |
| 20            | S503-C20       | 478        |                |                   |
| 25            | S503-C25       | 478        |                |                   |
| 32            | S503-C32       | 478        |                |                   |
| 40            | S503-C40       | 478        |                |                   |
| 50            | S503-C50       | 526        |                |                   |
| 63            | S503-C63       | 574        |                |                   |

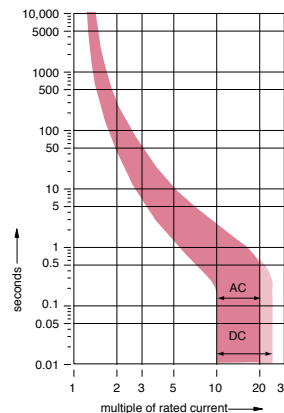
**D** UL 1077 CSA C22.2  
VDE 0641 IEC 947-1

| Rated current | Catalog number | List price | Delivery class | Wgt. oz. (1 Pc.) |   |       |
|---------------|----------------|------------|----------------|------------------|---|-------|
| <b>1 pole</b> |                |            |                |                  |   |       |
| 13            | S501-D13       | \$ 190     | B              | 8.90             |   |       |
| 16            | S501-D16       | 190        |                |                  |   |       |
| 20            | S501-D20       | 190        |                |                  |   |       |
| 25            | S501-D25       | 190        |                |                  |   |       |
| 32            | S501-D32       | 190        |                |                  |   |       |
| 40            | S501-D40       | 190        |                |                  |   |       |
| 50            | S501-D50       | 210        |                |                  |   |       |
| 63            | S501-D63       | 226        |                |                  |   |       |
| <b>2 pole</b> |                |            |                |                  |   |       |
| 13            | S502-D13       | 372        |                |                  | B | 17.85 |
| 16            | S502-D16       | 372        |                |                  |   |       |
| 20            | S502-D20       | 372        |                |                  |   |       |
| 25            | S502-D25       | 372        |                |                  |   |       |
| 32            | S502-D32       | 372        |                |                  |   |       |
| 40            | S502-D40       | 372        |                |                  |   |       |
| 50            | S502-D50       | 408        |                |                  |   |       |
| 63            | S502-D63       | 442        |                |                  |   |       |
| <b>3 pole</b> |                |            |                |                  |   |       |
| 13            | S503-D13       | 544        | B              | 25.36            |   |       |
| 16            | S503-D16       | 544        |                |                  |   |       |
| 20            | S503-D20       | 544        |                |                  |   |       |
| 25            | S503-D25       | 544        |                |                  |   |       |
| 32            | S503-D32       | 544        |                |                  |   |       |
| 40            | S503-D40       | 544        |                |                  |   |       |
| 50            | S503-D50       | 600        |                |                  |   |       |
| 63            | S503-D63       | 646        |                |                  |   |       |

**Delivery Class**

- A - Standard item, stock to 2 weeks lead time
- B - Stock to 4 weeks lead time
- C - 6 to 8 week lead time

**D**



# S500

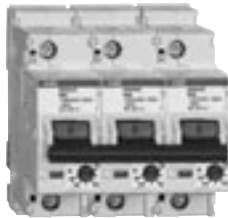
## 600Y/277 VAC



S501-D20

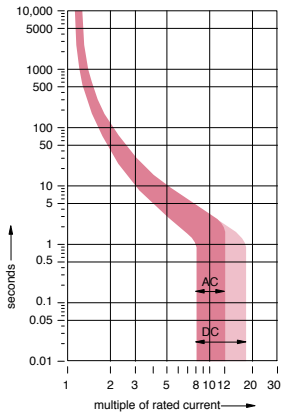


S502-D13



S503-K6

K



**K** UL 1077 CSA C22.2  
VDE 0641 IEC-898

### Delivery Class

- A** - Standard item, stock to 2 weeks lead time
- B** - Stock to 4 weeks lead time
- C** - 6 to 8 week lead time

| Rated current | Catalog number | List price | Delivery class | Wgt. oz. (1 Pc.) |
|---------------|----------------|------------|----------------|------------------|
| <b>1 pole</b> |                |            |                |                  |
| 0.1 - 0.15    | S501-K0.15     | \$ 182     | B              | 8.90             |
| 0.14 - 0.21   | S501-K0.21     | 182        |                |                  |
| 0.2 - 0.3     | S501-K0.3      | 182        |                |                  |
| 0.28 - 0.42   | S501-K0.42     | 182        |                |                  |
| 0.38 - 0.58   | S501-K0.58     | 182        |                |                  |
| 0.53 - 0.8    | S501-K0.8      | 182        |                |                  |
| 0.73 - 1.1    | S501-K1.1      | 182        |                |                  |
| 1 - 1.5       | S501-K1.5      | 182        |                |                  |
| 1.4 - 2.1     | S501-K2.1      | 182        |                |                  |
| 2 - 3         | S501-K3        | 182        |                |                  |
| 2.8 - 4.2     | S501-K4.2      | 182        |                |                  |
| 3.8 - 5.8     | S501-K5.8      | 182        |                |                  |
| 5.3 - 8       | S501-K8        | 182        |                |                  |
| 7.3 - 11      | S501-K11       | 182        |                |                  |
| 10 - 15       | S501-K15       | 182        |                |                  |
| 14 - 20       | S501-K20       | 182        |                |                  |
| 18 - 26       | S501-K26       | 182        |                |                  |
| 23 - 32       | S501-K32       | 202        |                |                  |
| 29 - 37       | S501-K37       | 202        |                |                  |
| 34 - 41       | S501-K41       | 226        |                |                  |
| 38 - 45       | S501-K45       | 226        |                |                  |
| <b>2 pole</b> |                |            |                |                  |
| 0.1 - 0.15    | S502-K0.15     | 356        | B              | 17.85            |
| 0.14 - 0.21   | S502-K0.21     | 356        |                |                  |
| 0.2 - 0.3     | S502-K0.3      | 356        |                |                  |
| 0.28 - 0.42   | S502-K0.42     | 356        |                |                  |
| 0.38 - 0.58   | S502-K0.58     | 356        |                |                  |
| 0.53 - 0.8    | S502-K0.8      | 356        |                |                  |
| 0.73 - 1.1    | S502-K1.1      | 356        |                |                  |
| 1 - 1.5       | S502-K1.5      | 356        |                |                  |
| 1.4 - 2.1     | S502-K2.1      | 356        |                |                  |
| 2 - 3         | S502-K3        | 356        |                |                  |
| 2.8 - 4.2     | S502-K4.2      | 356        |                |                  |
| 3.8 - 5.8     | S502-K5.8      | 356        |                |                  |
| 5.3 - 8       | S502-K8        | 356        |                |                  |
| 7.3 - 11      | S502-K11       | 356        |                |                  |
| 10 - 15       | S502-K15       | 356        |                |                  |
| 14 - 20       | S502-K20       | 356        |                |                  |
| 18 - 26       | S502-K26       | 356        |                |                  |
| 23 - 32       | S502-K32       | 392        |                |                  |
| 29 - 37       | S502-K37       | 392        |                |                  |
| 34 - 41       | S502-K41       | 442        |                |                  |
| 38 - 45       | S502-K45       | 442        |                |                  |
| <b>3 pole</b> |                |            |                |                  |
| 0.1 - 0.15    | S503-K0.15     | 518        | B              | 25.36            |
| 0.14 - 0.21   | S503-K0.21     | 518        |                |                  |
| 0.2 - 0.3     | S503-K0.3      | 518        |                |                  |
| 0.28 - 0.42   | S503-K0.42     | 518        |                |                  |
| 0.38 - 0.58   | S503-K0.58     | 518        |                |                  |
| 0.53 - 0.8    | S503-K0.8      | 518        |                |                  |
| 0.73 - 1.1    | S503-K1.1      | 518        |                |                  |
| 1 - 1.5       | S503-K1.5      | 518        |                |                  |
| 1.4 - 2.1     | S503-K2.1      | 518        |                |                  |
| 2 - 3         | S503-K3        | 518        |                |                  |
| 2.8 - 4.2     | S503-K4.2      | 518        |                |                  |
| 3.8 - 5.8     | S503-K5.8      | 518        |                |                  |
| 5.3 - 8       | S503-K8        | 518        |                |                  |
| 7.3 - 11      | S503-K11       | 518        |                |                  |
| 10 - 15       | S503-K15       | 518        |                |                  |
| 14 - 20       | S503-K20       | 518        |                |                  |
| 18 - 26       | S503-K26       | 518        |                |                  |
| 23 - 32       | S503-K32       | 574        |                |                  |
| 29 - 37       | S503-K37       | 574        |                |                  |
| 34 - 41       | S503-K41       | 644        |                |                  |
| 38 - 45       | S503-K45       | 828        |                |                  |

**S500UC**  
600Y/277 VAC  
600 VDC

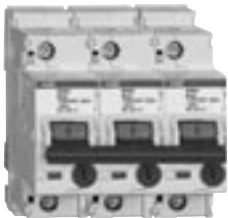
**B** UL 1077 CSA C22.2  
VDE 0660



S501UC-B40



S502UC-B16



S503UC-B50

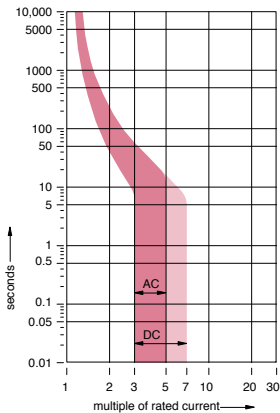
| Rated current | Catalog number | List price | Delivery class | Weight (oz.) 1 pc |
|---------------|----------------|------------|----------------|-------------------|
| <b>1 pole</b> |                |            |                |                   |
| 6             | S501UC-B6      | \$ 226     | C              | 8.90              |
| 10            | S501UC-B10     | 226        |                |                   |
| 13            | S501UC-B13     | 226        |                |                   |
| 16            | S501UC-B16     | 226        |                |                   |
| 20            | S501UC-B20     | 226        |                |                   |
| 25            | S501UC-B25     | 226        |                |                   |
| 32            | S501UC-B32     | 226        |                |                   |
| 40            | S501UC-B40     | 226        |                |                   |
| 50            | S501UC-B50     | 258        |                |                   |
| 63            | S501UC-B63     | 292        |                |                   |
| <b>2 pole</b> |                |            |                |                   |
| 6             | S502UC-B6      | 442        | C              | 17.85             |
| 10            | S502UC-B10     | 442        |                |                   |
| 13            | S502UC-B13     | 442        |                |                   |
| 16            | S502UC-B16     | 442        |                |                   |
| 20            | S502UC-B20     | 442        |                |                   |
| 25            | S502UC-B25     | 442        |                |                   |
| 32            | S502UC-B32     | 442        |                |                   |
| 40            | S502UC-B40     | 442        |                |                   |
| 50            | S502UC-B50     | 502        |                |                   |
| 63            | S502UC-B63     | 568        |                |                   |

| Rated current | Catalog number | List price | Delivery class | Weight (oz.) 1 pc |
|---------------|----------------|------------|----------------|-------------------|
| <b>3 pole</b> |                |            |                |                   |
| 6             | S503UC-B6      | \$ 646     | C              | 25.36             |
| 10            | S503UC-B10     | 646        |                |                   |
| 13            | S503UC-B13     | 646        |                |                   |
| 16            | S503UC-B16     | 646        |                |                   |
| 20            | S503UC-B20     | 646        |                |                   |
| 25            | S503UC-B25     | 646        |                |                   |
| 32            | S503UC-B32     | 646        |                |                   |
| 40            | S503UC-B40     | 646        |                |                   |
| 50            | S503UC-B50     | 734        |                |                   |
| 63            | S503UC-B63     | 832        |                |                   |
| <b>4 pole</b> |                |            |                |                   |
| 6             | S504UC-B6      | 908        | C              | 35.75             |
| 10            | S504UC-B10     | 908        |                |                   |
| 13            | S504UC-B13     | 908        |                |                   |
| 16            | S504UC-B16     | 908        |                |                   |
| 20            | S504UC-B20     | 908        |                |                   |
| 25            | S504UC-B25     | 908        |                |                   |
| 32            | S504UC-B32     | 908        |                |                   |
| 40            | S504UC-B40     | 908        |                |                   |
| 50            | S504UC-B50     | 1030       |                |                   |
| 63            | S504UC-B63     | 1164       |                |                   |

**Delivery Class**

- A - Standard item, stock to 2 weeks lead time
- B - Stock to 4 weeks lead time
- C - 6 to 8 week lead time

**B**



# S500 UC

## 600Y/277 VAC

## 600 VDC



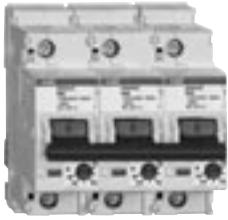
**K** UL 1077 CSA C22.2  
VDE 0660



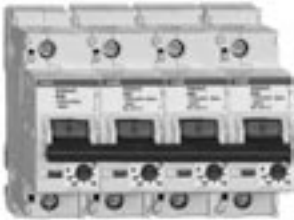
S501UC-K0.15



S502UC-K0.15

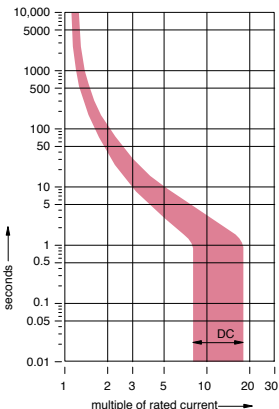


S503UC-K0.15



S504UC-K0.15

UC-K



| Rated current | Catalog number | List price | Delivery class | Weight (oz.) 1 pc | Rated current | Catalog number | List price | Delivery class | Weight (oz.) 1 pc |
|---------------|----------------|------------|----------------|-------------------|---------------|----------------|------------|----------------|-------------------|
| <b>1 pole</b> |                |            |                |                   | <b>3 pole</b> |                |            |                |                   |
| 0.1 - 0.15    | S501UC-K0.15   | \$ 250     | C              | 8.90              | 0.1 - 0.15    | S503UC-K0.15   | \$ 712     | C              | 25.36             |
| 0.14 - 0.21   | S501UC-K0.21   | 250        |                |                   | 0.14 - 0.21   | S503UC-K0.21   | 712        |                |                   |
| 0.2 - 0.3     | S501UC-K0.3    | 250        |                |                   | 0.2 - 0.3     | S503UC-K0.3    | 712        |                |                   |
| 0.28 - 0.42   | S501UC-K0.42   | 250        |                |                   | 0.28 - 0.42   | S503UC-K0.42   | 712        |                |                   |
| 0.38 - 0.58   | S501UC-K0.58   | 250        |                |                   | 0.38 - 0.58   | S503UC-K0.58   | 712        |                |                   |
| 0.53 - 0.8    | S501UC-K0.8    | 250        |                |                   | 0.53 - 0.8    | S503UC-K0.8    | 712        |                |                   |
| 0.73 - 1.1    | S501UC-K1.1    | 250        |                |                   | 0.73 - 1.1    | S503UC-K1.1    | 712        |                |                   |
| 1 - 1.5       | S501UC-K1.5    | 250        |                |                   | 1 - 1.5       | S503UC-K1.5    | 712        |                |                   |
| 1.4 - 2.1     | S501UC-K2.1    | 250        |                |                   | 1.4 - 2.1     | S503UC-K2.1    | 712        |                |                   |
| 2 - 3         | S501UC-K3      | 250        |                |                   | 2 - 3         | S503UC-K3      | 712        |                |                   |
| 2.8 - 4.2     | S501UC-K4.2    | 250        |                |                   | 2.8 - 4.2     | S503UC-K4.2    | 712        |                |                   |
| 3.8 - 5.8     | S501UC-K5.8    | 250        |                |                   | 3.8 - 5.8     | S503UC-K5.8    | 712        |                |                   |
| 5.3 - 8       | S501UC-K8      | 250        |                |                   | 5.3 - 8       | S503UC-K8      | 712        |                |                   |
| 7.3 - 11      | S501UC-K11     | 250        |                |                   | 7.3 - 11      | S503UC-K11     | 712        |                |                   |
| 10 - 15       | S501UC-K15     | 250        |                |                   | 10 - 15       | S503UC-K15     | 712        |                |                   |
| 14 - 20       | S501UC-K20     | 250        |                |                   | 14 - 20       | S503UC-K20     | 712        |                |                   |
| 18 - 26       | S501UC-K26     | 250        |                |                   | 18 - 26       | S503UC-K26     | 712        |                |                   |
| 23 - 32       | S501UC-K32     | 286        | 23 - 32        | S503UC-K32        | 814           |                |            |                |                   |
| 29 - 37       | S501UC-K37     | 286        | 29 - 37        | S503UC-K37        | 814           |                |            |                |                   |
| 34 - 41       | S501UC-K41     | 320        | 34 - 41        | S503UC-K41        | 910           |                |            |                |                   |
| 38 - 45       | S501UC-K45     | 320        | 38 - 45        | S503UC-K45        | 910           |                |            |                |                   |
| <b>2 pole</b> |                |            |                |                   | <b>4 pole</b> |                |            |                |                   |
| 0.1 - 0.15    | S502UC-K0.15   | 488        | C              | 17.85             | 0.1 - 0.15    | S504UC-K0.15   | 996        | C              | 35.75             |
| 0.14 - 0.21   | S502UC-K0.21   | 488        |                |                   | 0.14 - 0.21   | S504UC-K0.21   | 996        |                |                   |
| 0.2 - 0.3     | S502UC-K0.3    | 488        |                |                   | 0.2 - 0.3     | S504UC-K0.3    | 996        |                |                   |
| 0.28 - 0.42   | S502UC-K0.42   | 488        |                |                   | 0.28 - 0.42   | S504UC-K0.42   | 996        |                |                   |
| 0.38 - 0.58   | S502UC-K0.58   | 488        |                |                   | 0.38 - 0.58   | S504UC-K0.58   | 996        |                |                   |
| 0.53 - 0.8    | S502UC-K0.8    | 488        |                |                   | 0.53 - 0.8    | S504UC-K0.8    | 996        |                |                   |
| 0.73 - 1.1    | S502UC-K1.1    | 488        |                |                   | 0.73 - 1.1    | S504UC-K1.1    | 996        |                |                   |
| 1 - 1.5       | S502UC-K1.5    | 488        |                |                   | 1 - 1.5       | S504UC-K1.5    | 996        |                |                   |
| 1.4 - 2.1     | S502UC-K2.1    | 488        |                |                   | 1.4 - 2.1     | S504UC-K2.1    | 996        |                |                   |
| 2 - 3         | S502UC-K3      | 488        |                |                   | 2 - 3         | S504UC-K3      | 996        |                |                   |
| 2.8 - 4.2     | S502UC-K4.2    | 488        |                |                   | 2.8 - 4.2     | S504UC-K4.2    | 996        |                |                   |
| 3.8 - 5.8     | S502UC-K5.8    | 488        |                |                   | 3.8 - 5.8     | S504UC-K5.8    | 996        |                |                   |
| 5.3 - 8       | S502UC-K8      | 488        |                |                   | 5.3 - 8       | S504UC-K8      | 996        |                |                   |
| 7.3 - 11      | S502UC-K11     | 488        |                |                   | 7.3 - 11      | S504UC-K11     | 996        |                |                   |
| 10 - 15       | S502UC-K15     | 488        |                |                   | 10 - 15       | S504UC-K15     | 996        |                |                   |
| 14 - 20       | S502UC-K20     | 488        |                |                   | 14 - 20       | S504UC-K20     | 996        |                |                   |
| 18 - 26       | S502UC-K26     | 488        |                |                   | 18 - 26       | S504UC-K26     | 996        |                |                   |
| 23 - 32       | S502UC-K32     | 558        | 23 - 32        | S504UC-K32        | 1142          |                |            |                |                   |
| 29 - 37       | S502UC-K37     | 558        | 29 - 37        | S504UC-K37        | 1142          |                |            |                |                   |
| 34 - 41       | S502UC-K41     | 622        | 34 - 41        | S504UC-K41        | 1276          |                |            |                |                   |
| 38 - 45       | S502UC-K45     | 622        | 38 - 45        | S504UC-K45        | 1276          |                |            |                |                   |

**Delivery Class**

- A** - Standard item, stock to 2 weeks lead time
- B** - Stock to 4 weeks lead time
- C** - 6 to 8 week lead time

# Accessories S500



S500-H11  
Auxiliary contacts

| Electrical accessories | Catalog number | List price | Delivery class | Wgt. oz. (1pc.) |
|------------------------|----------------|------------|----------------|-----------------|
|------------------------|----------------|------------|----------------|-----------------|

### Auxiliary contacts

|               |          |              |   |      |
|---------------|----------|--------------|---|------|
| 1 N.O./1 N.C. | S500-H11 |              |   |      |
| 2 N.O.        | S500-H20 | <b>\$ 84</b> | B | 2.14 |
| 2 N.C.        | S500-H02 |              |   |      |

For field mounting left side

### Bell alarm with auxiliary contacts

|               |          |           |   |      |
|---------------|----------|-----------|---|------|
| 1 N.O./1 N.C. | S500-S11 |           |   |      |
| 2 N.O.        | S500-S20 | <b>92</b> | B | 2.14 |
| 2 N.C.        | S500-S02 |           |   |      |

For field mounting left side

### Handle mechanism

|          |            |   |     |
|----------|------------|---|-----|
| S500-RD3 | <b>100</b> | B | 6.5 |
|----------|------------|---|-----|

For use with 1-4 pole S500 MCBs and disconnect switch selector handles with 5mm shafts

### Front mounting kit

|              |          |           |   |     |
|--------------|----------|-----------|---|-----|
| For 1 pole   | S500-ME1 | <b>60</b> |   | 2.1 |
| 1 to 3 poles | S500-ME2 | <b>70</b> | A | 2.9 |
| 1 to 7 poles | S500-ME3 | <b>80</b> |   | 3.6 |

### Power feed terminal

|         |           |   |   |
|---------|-----------|---|---|
| S500-K2 | <b>25</b> | A | 2 |
|---------|-----------|---|---|

Suggested order quantity is 5.

### Busbars

| Amp rating | Number of poles | Busbar length (mm) | End cap catalog number | Catalog number | List price   | Delivery class | Suggested order qty. quantity | Weight (ozs) |
|------------|-----------------|--------------------|------------------------|----------------|--------------|----------------|-------------------------------|--------------|
| 150        | 2               | 145                | —                      | S500-BB23      | <b>\$ 56</b> | A              | 1                             | 1            |
|            | 3               | 218                | —                      | S500-BB33      | <b>95</b>    |                |                               |              |
|            | 4               | 290                | —                      | S500-BB43      | <b>132</b>   |                |                               |              |
|            | 5               | 363                | —                      | S500-BB53      | <b>171</b>   |                |                               |              |
|            | 6               | 435                | —                      | S500-BB63      | <b>208</b>   |                |                               |              |

### Delivery Class

- A** - Standard item, stock to 2 weeks lead time
- B** - Stock to 4 weeks lead time
- C** - 6 to 8 week lead time

| Electrical accessories | Catalog number suffix | List price | Delivery class | Wgt. oz. (1pc.) |
|------------------------|-----------------------|------------|----------------|-----------------|
|------------------------|-----------------------|------------|----------------|-----------------|

### Undervoltage release

|       |       |               |   |      |
|-------|-------|---------------|---|------|
| 12 V  | UA12  |               |   |      |
| 24 V  | UA24  |               |   |      |
| 48 V  | UA48  | <b>\$ 266</b> | B | 5.71 |
| 110 V | UA110 |               |   |      |
| 230 V | UA230 |               |   |      |
| 500 V | UA500 |               |   |      |

Factory mount only.

### Shunt trip

|       |       |            |   |      |
|-------|-------|------------|---|------|
| 12 V  | AL12  |            |   |      |
| 24 V  | AL24  |            |   |      |
| 48 V  | AL48  | <b>224</b> | B | 5.71 |
| 110 V | AL110 |            |   |      |
| 230 V | AL230 |            |   |      |
| 500 V | AL500 |            |   |      |

Factory mount only.

# Technical data

## S500

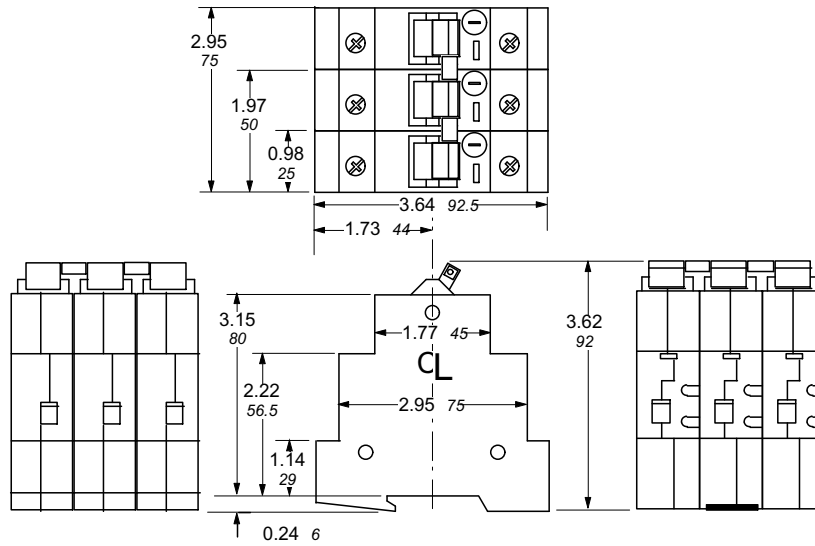
| Item                         | S500-B, C, D                           | S500-K                                 |
|------------------------------|--|--|
| Approvals:                   |  |  |
| UL                           | 1077                                   | 1077                                   |
| CSA                          | C22.2 - No.235                         | C22.2 - No. 235                        |
| VDE                          | 0641/6.78                              | 0641/6.78                              |
| IEC                          | 947-2                                  | —                                      |
| No. of poles:                | 1,2,3, +N, +NA                         | 1,2,3, +N, +NA                         |
| Tripping characteristic:     | B.C.D.                                 | K                                      |
| Rated currents:              | 6 to 63A                               | 0.1 to 45A                             |
| Rated voltage:               |  |  |
| UL/CSA single pole           | 277VAC                                 | 277VAC                                 |
| UL/CSA multi pole            | 600VAC                                 | 600VAC                                 |
| IEC single pole              | 690VAC                                 | 690VAC                                 |
| Rated interrupting capacity: |  |  |
| Single pole                  | 6-25A – 30KA/240VAC<br>14KA/277VAC     | 0.15-25A – 30KA/240VAC<br>14KA/277VAC  |
|                              | 32-63A – 18KA/240VAC<br>14KA/277VAC    | 26-45A – 18KA/240VAC<br>14KA/277VAC    |
| Multi-pole                   | 6-63A – 14KA/480VAC<br>6KA/600VAC      | 0.15-45A – 14KA/480VAC<br>6KA/600VAC   |
| Frequency:                   | 50/60 Hz                               | 50/60Hz                                |
| Mounting position:           | optional                               | optional                               |
| Standard mounting:           | 35mm DIN rail                          | 35mm DIN rail                          |
| Terminals:                   | Conductors from 16-4AWG<br>(1-25sq mm) | Conductors from 16-4AWG<br>(1-25sq mm) |
| Service life at rated load:  | 20,000 operations                      | 20,000 operations                      |
| Calibration temperature:     | 40°C                                   | 40°C                                   |

| Item                         | S500UC-B, K                                    |
|------------------------------|--|
| Approvals:                   |  |
| UL                           | 1077   |
| CSA                          | C22.2  |
| VDE                          | 0660   |
| No. of poles:                | 1,2,3, 4                                       |
| Tripping characteristic:     | B, K   |
| Rated currents:              | B: 6 to 63A<br>K: 0.15 to 45A                  |
| Rated voltage:               |  |
| UL single pole               | 277VAC/250VDC                                  |
| UL multi pole                | 600VAC/600VDC                                  |
| IEC multi pole               | 690VAC/750VDC                                  |
| Rated interrupting capacity: |  |
|                              | B single pole:                                 |
|                              | 6 – 25A 18KA/240VAC 14KA/277VAC 30KA/250VDC    |
|                              | 32 – 63A 30KA/240VAC 14KA/277VAC 30KA/250VDC   |
|                              | B two-pole:                                    |
|                              | 6 – 63A 14KA/480VAC 6KA/600VAC 30KA/500VDC     |
|                              | B three-pole:                                  |
|                              | 6 – 63A 14KA/480VAC 6KA/600VAC 30KA/600VDC     |
|                              | K single pole:                                 |
|                              | 0.15 – 25A 30KA/240VAC 14KA/277VAC 30KA/250VDC |
|                              | 32 – 45A 18KA/240VAC 14KA/277VAC 30KA/250VDC   |
|                              | K two-pole:                                    |
|                              | 0.15 – 45A 14KA/480VAC 6KA/600VAC 30KA/500VDC  |
|                              | K three-pole:                                  |
|                              | 0.5 – 45A 14KA/480VAC 6KA/600VAC 30KA/600VDC   |
| Frequency:                   | 50/60Hz  |
| Mounting position:           | optional                                       |
| Standard mounting:           | 35mm DIN-rail                                  |
| Terminals:                   | Conductors from 16 to 4AWG<br>(1-25sq mm)      |
| Service life at rated load:  | 20,000 operations                              |

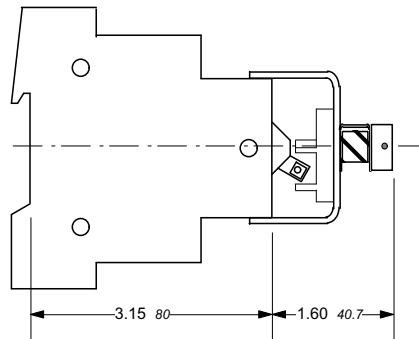
# Approximate dimensions S500 Accessories

00.00 Inches  
00.00 (Millimeters)

## S500



## S500-RD3 Handle mechanism



14

## S500 Front mounting kit

