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## Europa Selector Chart

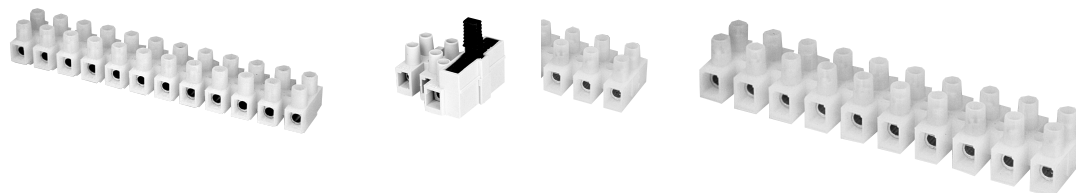
### Panel Mounted Modular Blocks



| Series                      | TSB230       | TSB230...HT  | TSB500        | TSB500...HT   | TSB500SK      | 500Si                    | 503Si         |
|-----------------------------|--------------|--------------|---------------|---------------|---------------|--------------------------|---------------|
| <b>Pitch (mm)<br/>(in.)</b> | 8mm<br>.315" | 8mm<br>.315" | 10mm<br>.394" | 10mm<br>.394" | 10mm<br>.394" | 10, 12mm<br>.394", .472" | 10mm<br>.394" |
| <b>Circuits</b>             | 1-12         | 1-12         | 1-12          | 1-12          | 1-12          | 1                        | 1-5           |
| <b>Max. Current</b>         |              |              |               |               |               |                          |               |
| Wire protector              | 30A          | 30A          | 30A           | 30A           | 30A           | —                        | 10A           |
| Tunnel connection           | 30A          | —            | 40A           | —             | 30A           | 10A                      | 10A           |
| <b>Max. Voltage</b>         | 250V         | 250V         | 250V          | 250V          | 600V          | 250V                     | 250V          |
| <b>Wire Range<br/>(AWG)</b> |              |              |               |               |               |                          |               |
| Wire protector              | 12-26        | 12-26        | 10-24         | 12-24         | 12-24         | —                        | 12-22         |
| Tunnel connection           | 12-24        | —            | 10-22         | —             | 10-22         | 12-22                    | 12-22         |
| <b>Flammability</b>         | UL94V-2      | UL94V-0      | UL94V-2       | UL94V-0       | UL94V-2       | UL94V-2                  | UL94V-2       |
| <b>Max. Temp.</b>           | 100° C       | 150° C       | 100° C        | 150° C        | 100° C        | 100° C                   | 100° C        |
| <b>Page</b>                 | 218, 219     | 220          | 221           | 223           | 224           | 234                      | 225           |

## Europa Selector Chart (Continued)

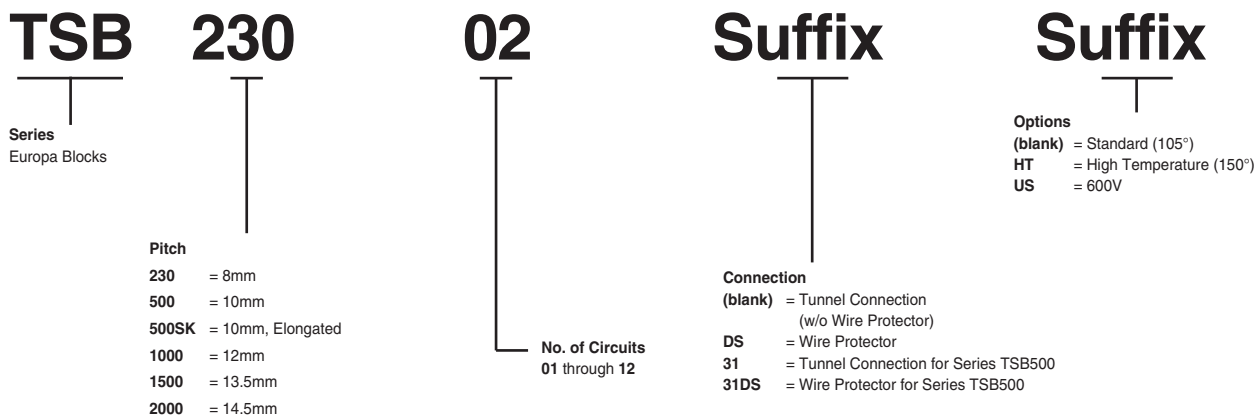
### Panel Mounted Modular Blocks



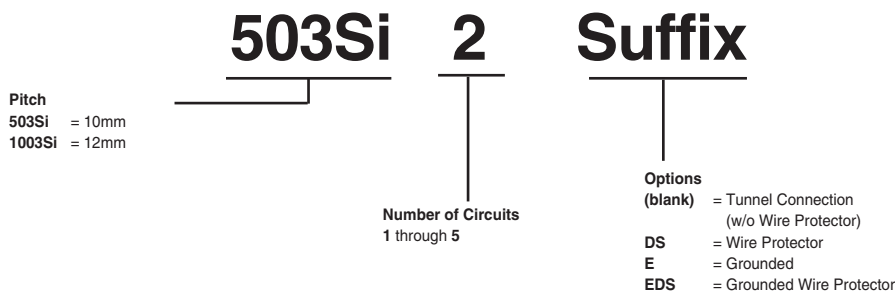
| Series                      | TSB1000       | TSB1000...HT  | 1003Si               | TSB1500         | TSB2000         | TSB2000...HT    | TSB2000...US    |
|-----------------------------|---------------|---------------|----------------------|-----------------|-----------------|-----------------|-----------------|
| <b>Pitch (mm)<br/>(in.)</b> | 12mm<br>.472" | 12mm<br>.472" | 7/12mm<br>.275-.472" | 13.5mm<br>.532" | 14.5mm<br>.571" | 14.5mm<br>.571" | 14.5mm<br>.571" |
| <b>Circuits</b>             | 1-12          | 1-12          | 1-5                  | 1-12            | 1-12            | 1-12            | 1-12            |
| <b>Max. Current</b>         |               |               |                      |                 |                 |                 |                 |
| Wire protector              | 40A           | 40A           | 16A                  | 40A             | 65A             | 65A             | 65A             |
| Tunnel connection           | 40A           | —             | 16A                  | 40A             | 65A             | 65A             | 65A             |
| <b>Max. Voltage</b>         | 250V          | 250V          | 250V                 | 300V            | 300V            | 300V            | 600V            |
| <b>Wire Range<br/>(AWG)</b> |               |               |                      |                 |                 |                 |                 |
| Wire protector              | 10-22         | 10-24         | 10-24                | 8-18            | 6-14            | 6-14            | 6-14            |
| Tunnel connection           | 8-22          | —             | 8-22                 | 8-16            | 6-14            | 6-14            | 6-14            |
| <b>Flammability</b>         | UL94V-2       | UL94V-0       | UL94V-2              | UL94V-2         | UL94V-2         | UL94V-0         | UL94V-2         |
| <b>Max. Temp.</b>           | 100° C        | 150° C        | 100° C               | 100° C          | 100° C          | 150° C          | 100° C          |
| <b>Page</b>                 | 226, 227      | 228           | 229                  | 230             | 231             | 232             | 233             |

## Catalog Numbering Code

### Europa Blocks



### Fused Europa Blocks

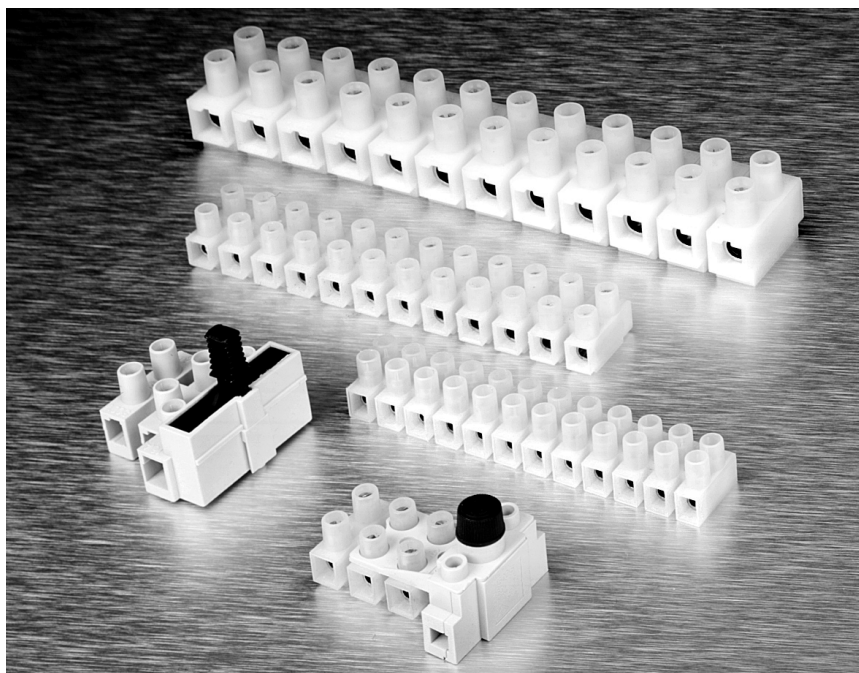


Note: Some catalog number combinations are not valid. Check appropriate catalog pages before ordering.

## Europa Blocks

### Product Facts

- n **Modular design** — cut into smaller sections without altering electrical properties or order product molded to length. Mounting holes between every circuit.
- n **Tubular contacts** — connect stripped, unterminated solid or stranded wire directly to each contact — no wire lugs needed.
- n **High voltage and current ratings** — rated up to 600 volts and up to 65 amps depending on model and wire size used.
- n **Broad Wire Range** — use wire from #6 to #26 AWG depending on model selected.
- n **Wire protectors** — all models available with wire protectors to virtually eliminate twisting and breakage of stranded wire during connection.
- n **High circuit density** — five models provide from 21 to 38 circuits per foot.
- n **“Dead-front” construction** — both screws and tubular contacts are recessed in housing for safety and to help prevent short circuits.
- n **Captive screws** — zinc with chromate plated steel screws are captive in tin plated brass contacts. They are supplied “backed-out” and ready to wire.
- n **Flammability rating of UL94V-2** is standard. High Temperature versions with UL94V-0 are available.
- n **Wire stop** available on some versions.



Tyco Electronics Corporation offers the most extensive line of Europa products in five pitches:

- n 8mm [.315]
- n 10mm [.394]
- n 12mm [.472]
- n 13.5mm [.531]
- n 14.5mm [.571]

Two connection styles are available. The Wire Protector version supplies a plate to shield the wire from being cut by the screw. The Tunnel connection is the same design, but without the shielding plate – it is ideal for solid wire or where the most economical price is required.

### Applications include:

- n Motor Controls
- n Power Supplies
- n Telecom
- n Valve Actuators
- n Spa Controllers
- n Lighting

## 8mm [.315] Pitch, 30A with Wire Protector—Series TSB230



### Material & Finish

**Housing Material**—Polyamide 6

**Flammability**—UL94V-2

**Color**—natural (off white)

**Tubular Contact**—Brass, tin plated

**Screw**—Steel, M3

**Screw Plating**—Zinc with chromate

**Wire Protector**—Stainless steel

### Mechanical Properties

**Pitch (terminal spacing)**—

8mm [.315"]

**Wire Strip Length**—5mm [0.20"]

**Min. Wire Pull-Out Force**—75lbs.

**Recommended Tightening**

**Torque**—5in.-lbs.

**Recommended Screwdrivers**—

Stanley 1016, Sears Craftsman 41429,  
Xcelite R184

### Electrical Properties

**Maximum Current**—30A

**Operating Voltage**—250V

**Wire Range**—12-26 AWG

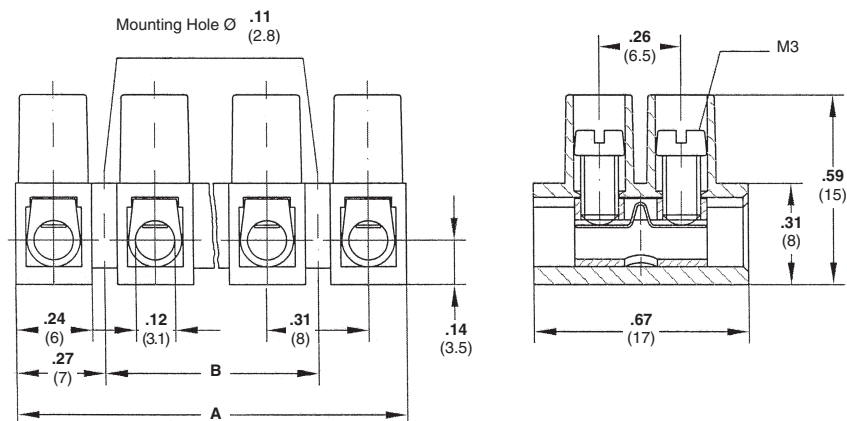
**Dielectric Withstand**—3000V

### Environmental Properties

**Continuous Working**

**Temperature**—

-35°C to +100°C [-31°F to +212°F]



| No. of<br>Positions | Dimensions |           | Wire Protector |                |
|---------------------|------------|-----------|----------------|----------------|
|                     | A          | B         | Part Number    | Catalog Number |
| 1                   | 6 (.24)    | —         | 1776293-1      | TSB230 01DS    |
| 2                   | 14 (.55)   | —         | 1776293-2      | TSB230 02DS    |
| 3                   | 22 (.87)   | 8 (.31)   | 1776293-3      | TSB230 03DS    |
| 4                   | 30 (1.18)  | 16 (.63)  | 1776293-4      | TSB230 04DS    |
| 5                   | 38 (1.50)  | 24 (.94)  | 1776293-5      | TSB230 05DS    |
| 6                   | 46 (1.81)  | 32 (1.26) | 1776293-6      | TSB230 06DS    |
| 7                   | 54 (2.13)  | 40 (1.57) | 1776293-7      | TSB230 07DS    |
| 8                   | 62 (2.44)  | 48 (1.89) | 1776293-8      | TSB230 08DS    |
| 9                   | 70 (2.76)  | 56 (2.20) | 1776293-9      | TSB230 09DS    |
| 10                  | 78 (3.07)  | 64 (2.52) | 1-1776293-0    | TSB230 10DS    |
| 11                  | 86 (3.39)  | 72 (2.83) | 1-1776293-1    | TSB230 11DS    |
| 12                  | 94 (3.70)  | 80 (3.15) | 1-1776293-2    | TSB230 12DS    |

## 8mm [.315] Pitch, 30A, with Tunnel Connection—Series TSB230



### Material & Finish

**Housing Material**—Polyamide 6  
**Flammability**—UL94V-2  
**Color**—natural (off white)  
**Tubular Contact**—Brass, tin plated  
**Screw**—Steel, M3  
**Screw Plating**—Zinc with chromate

### Mechanical Properties

**Pitch (terminal spacing)**—  
8mm [.315]  
**Wire Strip Length**—5mm [0.20"]  
**Min. Wire Pull-Out Force**—75lbs.  
**Recommended Tightening  
Torque**—5in.-lbs.

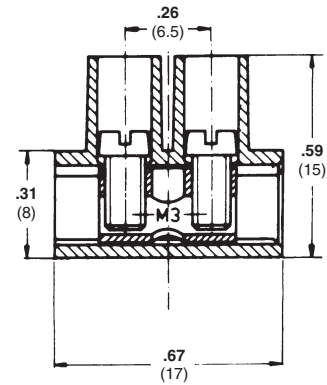
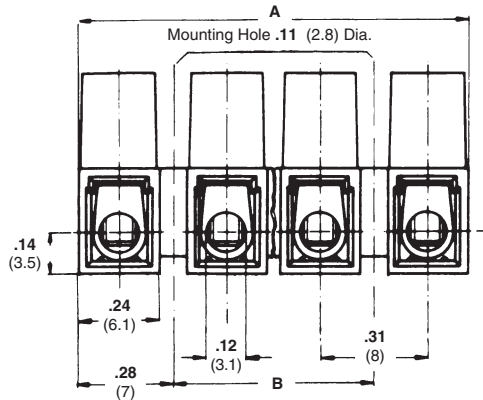
**Recommended Screwdrivers**—  
Stanley 1016, Sears Craftsman 41429,  
Xcelite R184

### Electrical Properties

**Maximum Current**—30A  
**Operating Voltage**—250V  
**Wire Range**—12-24 AWG  
**Dielectric Withstand**—3000V

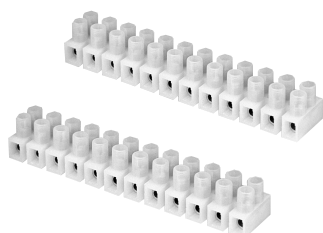
### Environmental Properties

**Continuous Working  
Temperature**—  
-35°C to +100°C [-31°F to +212°F]



| No. of<br>Positions | Dimensions |           | Tunnel Connection |                |
|---------------------|------------|-----------|-------------------|----------------|
|                     | A          | B         | Part Number       | Catalog Number |
| 1                   | 6 (.24)    | —         | 1776294-1         | TSB230 01      |
| 2                   | 14 (.55)   | —         | 1776294-2         | TSB230 02      |
| 3                   | 22 (.87)   | 8 (.31)   | 1776294-3         | TSB230 03      |
| 4                   | 30 (1.18)  | 16 (.63)  | 1776294-4         | TSB230 04      |
| 5                   | 38 (1.50)  | 24 (.94)  | 1776294-5         | TSB230 05      |
| 6                   | 46 (1.81)  | 32 (1.26) | 1776294-6         | TSB230 06      |
| 7                   | 54 (2.13)  | 40 (1.57) | 1776294-7         | TSB230 07      |
| 8                   | 62 (2.44)  | 48 (1.89) | 1776294-8         | TSB230 08      |
| 9                   | 70 (2.76)  | 56 (2.20) | 1776294-9         | TSB230 09      |
| 10                  | 78 (3.07)  | 64 (2.52) | 1-1776294-0       | TSB230 10      |
| 11                  | 86 (3.39)  | 72 (2.83) | 1-1776294-1       | TSB230 11      |
| 12                  | 94 (3.70)  | 80 (3.15) | 1-1776294-2       | TSB230 12      |

## 8mm [.315] Pitch, 30A, High Temperature—Series TSB230...HT



### Material & Finish

**Housing Material**—Polyamide 6/6

**Flammability**—UL94V-0

**Housing Color**—Brown

**Tubular Contact**—Brass, tin plated

**Screw**—Steel, M3

**Screw Plating**—Zinc with chromate

**Wire Protector**—Stainless steel

### Mechanical Properties

**Pitch (terminal spacing)**—

8mm [.315]

**Wire Strip Length**—5mm [0.20"]

**Min. Wire Pull-Out Force**—75lbs.

**Recommended Tightening**

**Torque**—5in.-lbs.

**Recommended Screwdrivers**—

Stanley 1016, Sears Craftsman 41429,  
Xcelite R184

### Electrical Properties

**Maximum Current**—30A

**Operating Voltage**—250V

**Wire Range**—12-26 AWG

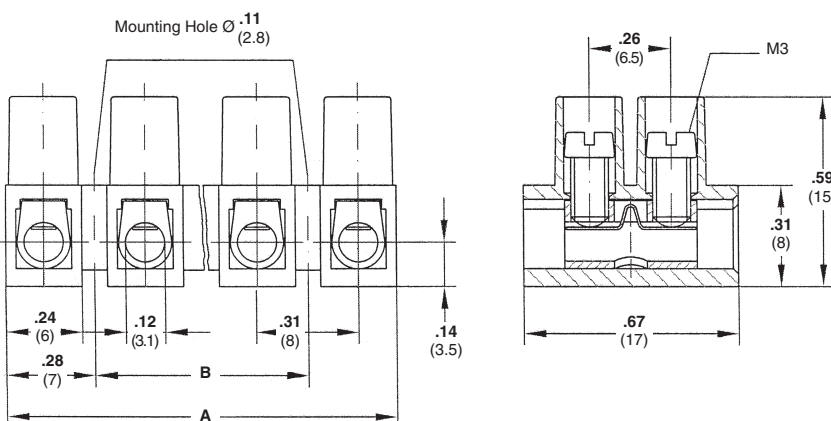
**Dielectric Withstand**—3000V

### Environmental Properties

**Continuous Working**

**Temperature**—

-35°C to +150°C [-31°F to +302°F]



| No. of<br>Positions | Dimensions |           | Wire Protector |                |
|---------------------|------------|-----------|----------------|----------------|
|                     | A          | B         | Part Number    | Catalog Number |
| 1                   | 6 (.24)    | —         | 1776295-1      | TSB230 01DS HT |
| 2                   | 14 (.55)   | —         | 1776295-2      | TSB230 02DS HT |
| 3                   | 22 (.87)   | 8 (.31)   | 1776295-3      | TSB230 03DS HT |
| 4                   | 30 (1.18)  | 16 (.63)  | 1776295-4      | TSB230 04DS HT |
| 5                   | 38 (1.50)  | 24 (.94)  | 1776295-5      | TSB230 05DS HT |
| 6                   | 46 (1.81)  | 32 (1.26) | 1776295-6      | TSB230 06DS HT |
| 7                   | 54 (2.13)  | 40 (1.57) | 1776295-7      | TSB230 07DS HT |
| 8                   | 62 (2.44)  | 48 (1.89) | 1776295-8      | TSB230 08DS HT |
| 9                   | 70 (2.76)  | 56 (2.20) | 1776295-9      | TSB230 09DS HT |
| 10                  | 78 (3.07)  | 64 (2.52) | 1-1776295-0    | TSB230 10DS HT |
| 11                  | 86 (3.39)  | 72 (2.83) | 1-1776295-1    | TSB230 11DS HT |
| 12                  | 94 (3.70)  | 80 (3.15) | 1-1776295-2    | TSB230 12DS HT |

**Note:** Minimum order quantities may apply.

## 10mm [.394] Pitch, 30A with Wire Protector—Series TSB500



### Material & Finish

**Housing Material**—Polyamide 6

**Flammability**—UL94V-2

**Color**—Natural (off white)

**Tubular Contact**—Brass, tin plated

**Screw**—Steel, M3

**Screw Plating**—Zinc with chromate

**Wire Protector**—Stainless steel

### Mechanical Properties

**Pitch (terminal spacing)**—

10mm [.394]

**Wire Strip Length**—5mm [0.20"]

**Min. Wire Pull-Out Force**—75lbs.

**Recommended Tightening**

**Torque**—5 in.-lbs.

**Recommended Screwdrivers**—

Stanley 1016, Sears Craftsman 41429,  
Xcelite R184

### Electrical Properties

**UL Maximum Current**—30A;  
10-22 AWG

**CSA Maximum Current**—25A;  
12-24 AWG

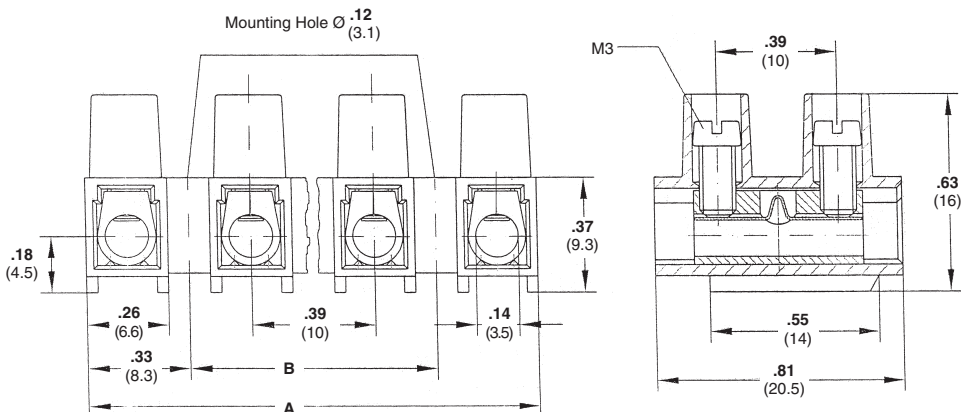
**Operating Voltage**—250V

**Dielectric Withstand**—3500V

### Environmental Properties

**Continuous Working  
Temperature**—

-35°C to +100°C [-31°F to +212°F]



| No. of<br>Positions | Dimensions   |            | Wire Protector |                |
|---------------------|--------------|------------|----------------|----------------|
|                     | A            | B          | Part Number    | Catalog Number |
| 1                   | 6.6 (.26)    | —          | 1776296-1      | TSB500 0131DS  |
| 2                   | 16.6 (.65)   | —          | 1776296-2      | TSB500 0231DS  |
| 3                   | 26.6 (1.05)  | 10 (.39)   | 1776296-3      | TSB500 0331DS  |
| 4                   | 36.6 (1.44)  | 20 (.79)   | 1776296-4      | TSB500 0431DS  |
| 5                   | 46.6 (1.83)  | 30 (1.18)  | 1776296-5      | TSB500 0531DS  |
| 6                   | 56.6 (2.23)  | 40 (1.57)  | 1776296-6      | TSB500 0631DS  |
| 7                   | 66.6 (2.62)  | 50 (1.97)  | 1776296-7      | TSB500 0731DS  |
| 8                   | 76.6 (3.02)  | 60 (2.36)  | 1776296-8      | TSB500 0831DS  |
| 9                   | 86.6 (3.41)  | 70 (2.76)  | 1776296-9      | TSB500 0931DS  |
| 10                  | 96.6 (3.80)  | 80 (3.15)  | 1-1776296-0    | TSB500 1031DS  |
| 11                  | 106.6 (4.20) | 90 (3.54)  | 1-1776296-1    | TSB500 1131DS  |
| 12                  | 116.6 (4.59) | 100 (3.94) | 1-1776296-2    | TSB500 1231DS  |

## 10mm [.394] Pitch, 30A with Tunnel Connection—Series TSB500



### Material & Finish

**Housing Material**—Polyamide 6

**Flammability**—UL94V-2

**Color**—Natural (off white)

**Tubular Contact**—Brass, tin plated

**Screw**—Steel, M3

**Screw Plating**—Zinc with chromate

### Mechanical Properties

**Pitch (terminal spacing)**—

10mm [.394]

**Wire Strip Length**—5mm [0.20"]

**Min. Wire Pull-Out Force**—75lbs.

**Recommended Tightening**

**Torque**—5 in.-lbs.

**Recommended Screwdrivers**—

Stanley 1016, Sears Craftsman 41429,

Xcelite R184

### Electrical Properties

**Maximum Current**—30A

**Operating Voltage**—250V

**Wire Range**—10-22 AWG

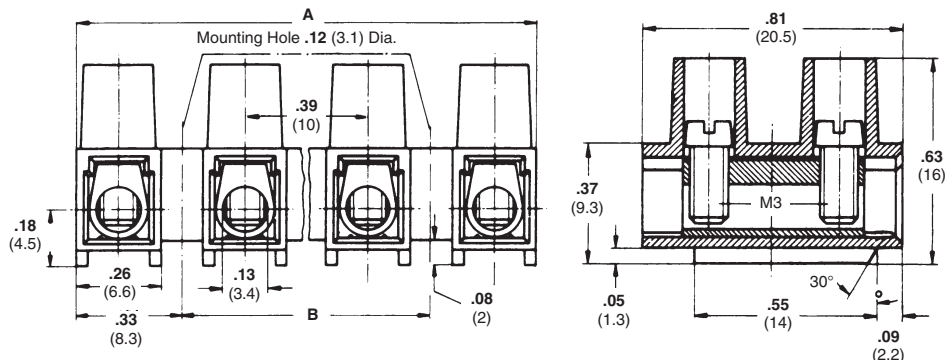
**Dielectric Withstand**—3500V

### Environmental Properties

**Continuous Working**

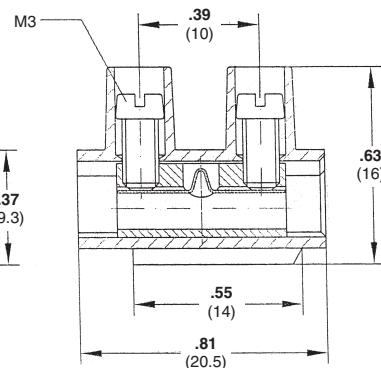
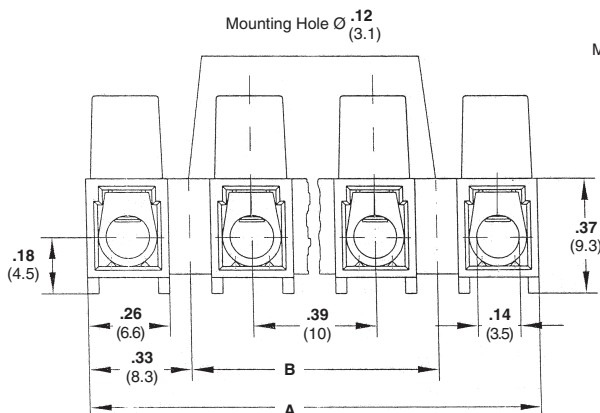
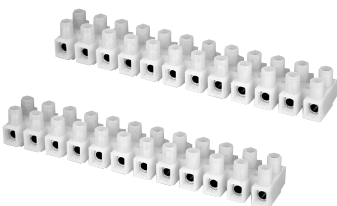
**Temperature**—

-35°C to +100°C [-31°F to +212°F]



| No. of Positions | Dimensions   |            | Tunnel Connection |                |
|------------------|--------------|------------|-------------------|----------------|
|                  | A            | B          | Part Number       | Catalog Number |
| 1                | 6.6 (.26)    | —          | —                 | TSB500 0131    |
| 2                | 16.6 (.65)   | —          | 1776297-2         | TSB500 0231    |
| 3                | 26.6 (1.05)  | 10 (.39)   | 1776297-3         | TSB500 0331    |
| 4                | 36.6 (1.44)  | 20 (.79)   | 1776297-4         | TSB500 0431    |
| 5                | 46.6 (1.83)  | 30 (1.18)  | 1776297-5         | TSB500 0531    |
| 6                | 56.6 (2.23)  | 40 (1.57)  | 1776297-6         | TSB500 0631    |
| 7                | 66.6 (2.62)  | 50 (1.97)  | 1776297-7         | TSB500 0731    |
| 8                | 76.6 (3.02)  | 60 (2.36)  | 1776297-8         | TSB500 0831    |
| 9                | 86.6 (3.41)  | 70 (2.76)  | 1776297-9         | TSB500 0931    |
| 10               | 96.6 (3.80)  | 80 (3.15)  | 1-1776297-0       | TSB500 1031    |
| 11               | 106.6 (4.20) | 90 (3.54)  | 1-1776297-1       | TSB500 1131    |
| 12               | 116.6 (4.59) | 100 (3.94) | 1-1776297-2       | TSB500 1231    |

## 10mm [.394] Pitch, 30A High Temperature—Series TSB500...HT



### Material & Finish

**Housing Material**—Polyamide 6/6  
**Flammability**—UL94V-0  
**Housing Color**—Brown  
**Tubular Contact**—Brass, tin plated  
**Screw**—Steel, M3  
**Screw Plating**—Zinc with chromate  
**Wire Protector**—Stainless steel

### Mechanical Properties

**Pitch (terminal spacing)**—  
10mm [.394]

**Wire Strip Length**—5mm [0.20"]

**Min. Wire Pull-Out Force**—75lbs.

**Recommended Tightening  
Torque**—5 in.-lbs.

**Recommended Screwdrivers**—  
Stanley 1016, Sears Craftsman 41429,  
Xcelite R184

### Electrical Properties

**Maximum Current**—30A

**Operating Voltage**—250V

**Wire Range**—12-24 AWG

**Dielectric Withstand**—3500V

### Environmental Properties

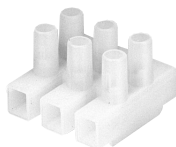
**Continuous Working  
Temperature**—

-50°C to +160°C [-58°F to +320°F]

| No. of<br>Positions | Dimensions   |            | Wire Protector |                  |
|---------------------|--------------|------------|----------------|------------------|
|                     | A            | B          | Part Number    | Catalog Number   |
| 1                   | 6.6 (.26)    | —          | 1776298-1      | TSB500 0131DS HT |
| 2                   | 16.6 (.65)   | —          | 1776298-2      | TSB500 0231DS HT |
| 3                   | 26.6 (1.05)  | 10 (.39)   | 1776298-3      | TSB500 0331DS HT |
| 4                   | 36.6 (1.44)  | 20 (.79)   | 1776298-4      | TSB500 0431DS HT |
| 5                   | 46.6 (1.83)  | 30 (1.18)  | 1776298-5      | TSB500 0531DS HT |
| 6                   | 56.6 (2.23)  | 40 (1.57)  | 1776298-6      | TSB500 0631DS HT |
| 7                   | 66.6 (2.62)  | 50 (1.97)  | 1776298-7      | TSB500 0731DS HT |
| 8                   | 76.6 (3.02)  | 60 (2.36)  | 1776298-8      | TSB500 0831DS HT |
| 9                   | 86.6 (3.41)  | 70 (2.76)  | 1776298-9      | TSB500 0931DS HT |
| 10                  | 96.6 (3.80)  | 80 (3.15)  | 1-1776298-0    | TSB500 1031DS HT |
| 11                  | 106.6 (4.20) | 90 (3.54)  | 1-1776298-1    | TSB500 1131DS HT |
| 12                  | 116.6 (4.59) | 100 (3.94) | 1-1776298-2    | TSB500 1231DS HT |

Note: Minimum order quantities may apply.

## 10mm [.394] Pitch, 30A Elongated Plastic—Series TSB500SK



### Material & Finish

**Housing Material**—Polyamide 6  
**Flammability**—UL94V-2  
**Color**—natural (off white)  
**Tubular Contact**—Brass, tin plated  
**Screw**—Steel, M3  
**Screw Plating**—Zinc with chromate  
**Wire Protector**—Stainless steel

### Mechanical Properties

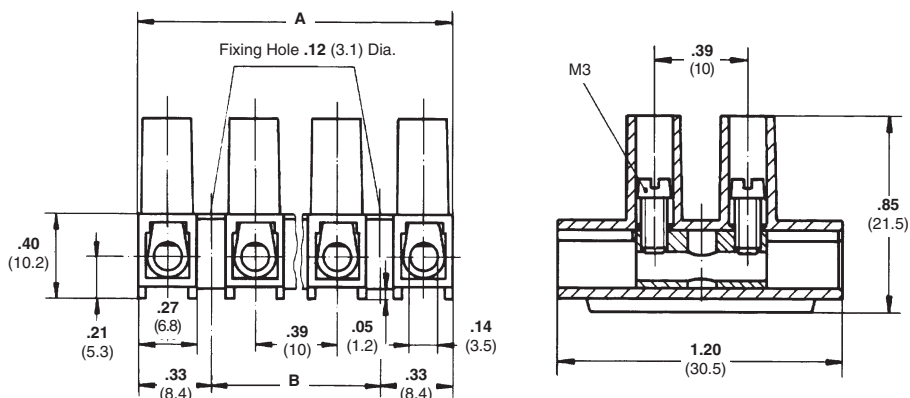
**Pitch (terminal spacing)**—  
10mm [.394"]  
**Wire Strip Length**—5mm [0.20"]  
**Min. Wire Pull-Out Force**—5 lbs.  
**Recommended Tightening  
Torque**—5 in.- lbs.  
**Recommended Screwdrivers**—  
Stanley 1016, Sears Craftsman 41429,  
Xcelite R184

### Electrical Properties

**Maximum Current**—30A (UL),  
25A (CSA)  
**Operating Voltage**—600V  
**Wire Range**—  
Wire Protector—12-24 AWG  
Tunnel Connection—10-22 AWG  
**Dielectric Withstand**—3500V

### Environmental Properties

**Continuous Working  
Temperature**—  
-35°C to +100°C [-31°F to +212°F]

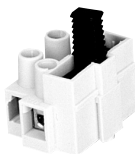


Tunnel Connection Version shown

| No. of<br>Positions | Dimensions   |            | Tunnel Connection |                | Wire Protector |                |
|---------------------|--------------|------------|-------------------|----------------|----------------|----------------|
|                     | A            | B          | Part Number       | Catalog Number | Part Number    | Catalog Number |
| 1                   | 6.6 (.26)    | —          | 1776299-1         | TSB500 SK01    | 1776300-1      | TSB500 SK01MDS |
| 2                   | 16.6 (.65)   | —          | 1776299-2         | TSB500 SK02    | 1776300-2      | TSB500 SK02MDS |
| 3                   | 26.6 (1.05)  | 10 (.39)   | 1776299-3         | TSB500 SK03    | 1776300-3      | TSB500 SK03MDS |
| 4                   | 36.6 (1.44)  | 20 (.79)   | 1776299-4         | TSB500 SK04    | 1776300-4      | TSB500 SK04MDS |
| 5                   | 46.6 (1.83)  | 30 (1.18)  | 1776299-5         | TSB500 SK05    | 1776300-5      | TSB500 SK05MDS |
| 6                   | 56.6 (2.23)  | 40 (1.57)  | 1776299-6         | TSB500 SK06    | 1776300-6      | TSB500 SK06MDS |
| 7                   | 66.6 (2.62)  | 50 (1.97)  | 1776299-7         | TSB500 SK07    | 1776300-7      | TSB500 SK07MDS |
| 8                   | 76.6 (3.02)  | 60 (2.36)  | 1776299-8         | TSB500 SK08    | 1776300-8      | TSB500 SK08MDS |
| 9                   | 86.6 (3.41)  | 70 (2.76)  | 1776299-9         | TSB500 SK09    | 1776300-9      | TSB500 SK09MDS |
| 10                  | 96.6 (3.80)  | 80 (3.15)  | 1-1776299-0       | TSB500 SK10    | 1-1776300-0    | TSB500 SK10MDS |
| 11                  | 106.6 (4.20) | 90 (3.54)  | 1-1776299-1       | TSB500 SK11    | 1-1776300-1    | TSB500 SK11MDS |
| 12                  | 116.6 (4.59) | 100 (3.94) | 1-1776299-2       | TSB500 SK12    | 1-1776300-2    | TSB500 SK12MDS |

**Note:** Add suffix HT for High Temperature version. Minimum order quantities may apply.  
Flammability: UL94V-0. Continuous working temperature: 150°C.

## 10mm [.394] Pitch, Fused Terminal Blocks—Series 503Si



### Material & Finish

**Housing Material**—Polyamide 6/6

**Color**—Gray, handle is black

**Tubular Contact**—Brass, tin plated

**Screw**—Steel

**Screw Plating**—Zinc with chromate

**Wire Protector**—Stainless steel

**Contacts for Fuses**—Stainless steel spring

**Tunnel Connection**—Without wire protector

### Mechanical Properties

**Pitch (terminal spacing)**—  
10mm [.394"]

**Wire Strip Length**—7mm [.276"]

### Electrical Properties

**Maximum Current**—

To VDE 820—Fuse Holder 10A

To VDE 0100—Terminal Blocks 26A

To VDE 0700/0711—Terminal  
Blocks 10A

**Operating Voltage**—

Fuse Holder—250V

Terminal Blocks—400V

**Wire Range**—

Wire Protector—12-22 AWG

Tunnel Connection—12-22 AWG

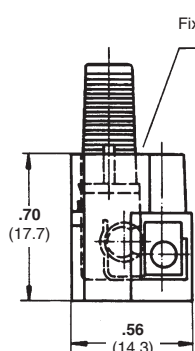
### Environmental Properties

**Continuous Working**

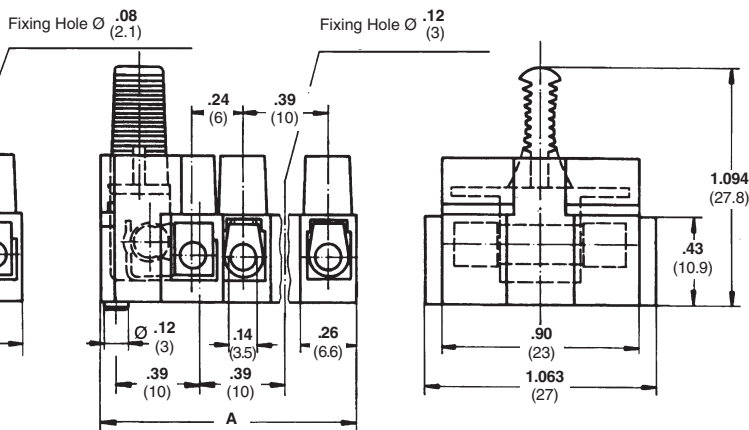
**Temperature**—

-35°C to +100°C [-31°F to +212°F]

500Si/1 (1 Circuit)



503Si (2-5 Circuits)



Series 503Si & 503Si...DS  
version of TSB500 Series  
with an integrated fuse  
holder for 5 x 20mm  
[.197 x .787] fuses.  
Protection against  
unintentional touch of live  
parts to VBG4 and VDE  
0106, part 100 and VDE  
0470, part 1.

Series 503Si...E &  
503Si...EDS include a  
ground connection.

| No. of<br>Positions | Dim.<br>A  | Tunnel Connection |                | Wire Protector |                | Tunnel Connection<br>Grounded |                | Wire Protector<br>Grounded |                |
|---------------------|------------|-------------------|----------------|----------------|----------------|-------------------------------|----------------|----------------------------|----------------|
|                     |            | Part Number       | Catalog Number | Part Number    | Catalog Number | Part Number                   | Catalog Number | Part Number                | Catalog Number |
| 1                   | 14.3 (.56) | 1776301-1         | 503Si 1        | 1776301-6      | 503Si 1DS      | —                             | —              | —                          | —              |
| 2                   | 20 (.79)   | 1776301-2         | 503Si 2        | 1776301-7      | 503Si 2DS      | —                             | —              | —                          | —              |
| 3                   | 30 (1.18)  | —                 | 503Si 3        | 1776301-8      | 503Si 3DS      | —                             | 503Si 3E       | 2-1776301-3                | 503Si 3EDS     |
| 4                   | 40 (1.58)  | —                 | 503Si 4        | 1776301-9      | 503Si 4DS      | 1-1776301-4                   | 503Si 4E       | —                          | 503Si 4EDS     |
| 5                   | 50 (1.97)  | 1776301-5         | 503Si 5        | 1-1776301-0    | 503Si 5DS      | —                             | 503Si 5E       | —                          | 503Si 5EDS     |

## 12mm [.472] Pitch, 40A with Wire Protector—Series TSB1000



### Material & Finish

**Housing Material**—Polyamide 6

**Flammability**—UL94V-2

**Color**—Natural (off white)

**Tubular Contact**—Brass, tin plated

**Screw**—Steel, M3.5

**Screw Plating**—Zinc with chromate

**Wire Protector**—Stainless steel

### Mechanical Properties

**Pitch (terminal spacing)**—

12mm [.472"]

**Wire Strip Length**—7mm [.28"]

**Min. Wire Pull-Out Force**—125 lbs.

**Recommended Tightening**

**Torque**—10 in.-lbs.

**Recommended Screwdrivers**—

Stanley 1016, Sears Craftsman 41429,  
Xcelite R184

### Electrical Properties

**Maximum Current**—40A

**Operating Voltage**—250V

**Wire Range**—10-22 AWG

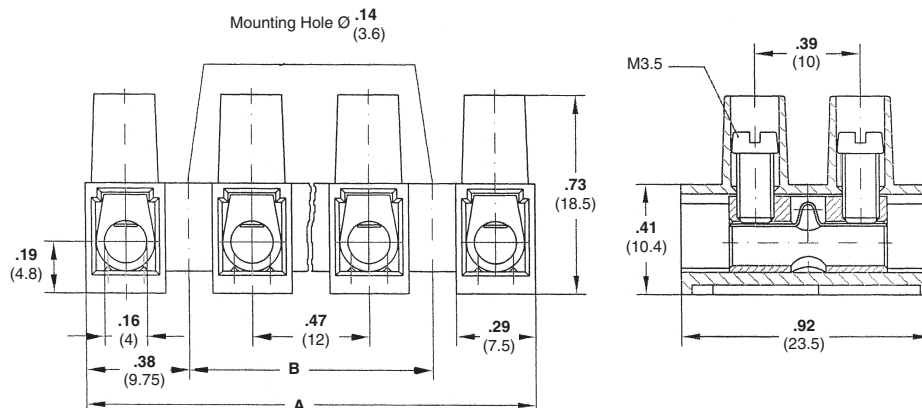
**Dielectric Withstand**—4500V

### Environmental Properties

**Continuous Working**

**Temperature**—

-35°C to +100°C [-31°F to +212°F]



| No. of<br>Positions | Dimensions   |            | Wire Protector |                |
|---------------------|--------------|------------|----------------|----------------|
|                     | A            | B          | Part Number    | Catalog Number |
| 1                   | 7.5 (.30)    | —          | 1776302-1      | TSB1000 01DS   |
| 2                   | 19.5 (.77)   | —          | 1776302-2      | TSB1000 02DS   |
| 3                   | 31.5 (1.24)  | 12 (.47)   | 1776302-3      | TSB1000 03DS   |
| 4                   | 43.5 (1.71)  | 24 (.95)   | 1776302-4      | TSB1000 04DS   |
| 5                   | 55.5 (2.19)  | 36 (1.42)  | 1776302-5      | TSB1000 05DS   |
| 6                   | 67.5 (2.66)  | 48 (1.89)  | 1776302-6      | TSB1000 06DS   |
| 7                   | 79.5 (3.13)  | 60 (2.36)  | 1776302-7      | TSB1000 07DS   |
| 8                   | 91.5 (3.60)  | 72 (2.83)  | 1776302-8      | TSB1000 08DS   |
| 9                   | 103.5 (4.07) | 84 (3.31)  | 1776302-9      | TSB1000 09DS   |
| 10                  | 115.5 (4.55) | 96 (3.78)  | 1-1776302-0    | TSB1000 10DS   |
| 11                  | 127.5 (5.02) | 108 (4.25) | 1-1776302-1    | TSB1000 11DS   |
| 12                  | 139.5 (5.49) | 120 (4.72) | 1-1776302-2    | TSB1000 12DS   |

## 12mm [.472] Pitch, 50A with Tunnel Connection—Series TSB1000



### Material & Finish

**Housing Material**—Polyamide 6

**Flammability**—UL94V-2

**Color**—Natural (off white)

**Tubular Contact**—Brass, tin plated

**Screw**—Steel, M3.5

**Screw Plating**—Zinc with chromate

### Mechanical Properties

**Pitch (terminal spacing)**—

12mm [.472"]

**Wire Strip Length**—7mm [.28"]

**Min. Wire Pull-Out Force**—125 lbs.

**Recommended Tightening**

**Torque**—10 in.-lbs.

**Recommended Screwdrivers**—

Stanley 1016, Sears Craftsman 41429,  
Xcelite R184

### Electrical Properties

**Maximum Current**—50A

**Operating Voltage**—250V

**Wire Range**—8-22 AWG

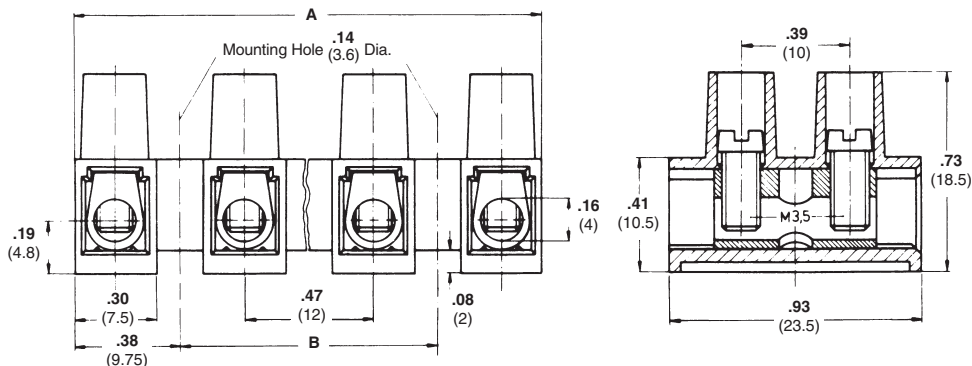
**Dielectric Withstand**—4500V

### Environmental Properties

**Continuous Working**

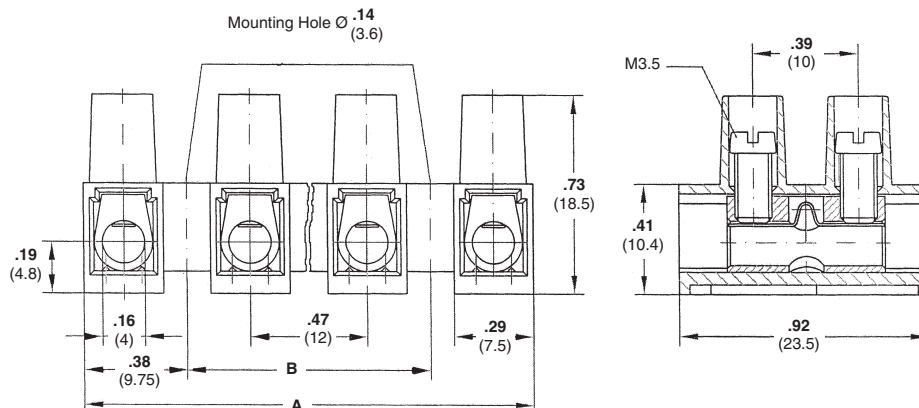
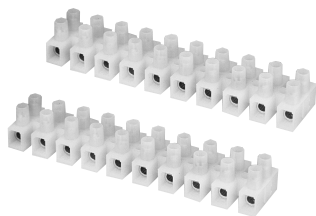
**Temperature**—

-35°C to +100°C [-31°F to +212°F]



| No. of Positions | Dimensions   |            | Tunnel Connection |                |
|------------------|--------------|------------|-------------------|----------------|
|                  | A            | B          | Part Number       | Catalog Number |
| 1                | 7.5 (.30)    | —          | 1776303-1         | TSB1000 01     |
| 2                | 19.5 (.77)   | —          | 1776303-2         | TSB1000 02     |
| 3                | 31.5 (1.24)  | 12 (.47)   | 1776303-3         | TSB1000 03     |
| 4                | 43.5 (1.71)  | 24 (.95)   | 1776303-4         | TSB1000 04     |
| 5                | 55.5 (2.19)  | 36 (1.42)  | 1776303-5         | TSB1000 05     |
| 6                | 67.5 (2.66)  | 48 (1.89)  | 1776303-6         | TSB1000 06     |
| 7                | 79.5 (3.13)  | 60 (2.36)  | 1776303-7         | TSB1000 07     |
| 8                | 91.5 (3.60)  | 72 (2.84)  | 1776303-8         | TSB1000 08     |
| 9                | 103.5 (4.07) | 84 (3.31)  | 1776303-9         | TSB1000 09     |
| 10               | 115.5 (4.55) | 96 (3.78)  | 1-1776303-0       | TSB1000 10     |
| 11               | 127.5 (5.02) | 108 (4.25) | 1-1776303-1       | TSB1000 11     |
| 12               | 139.5 (5.49) | 120 (4.72) | 1-1776303-2       | TSB1000 12     |

## 12mm [.472] Pitch, 40A High Temperature—Series TSB1000...HT



### Material & Finish

**Housing Material**—Polyamide 6/6  
**Flammability**—UL94V-0  
**Housing Color**—Brown  
**Tubular Contact**—Brass, tin plated  
**Screw**—Steel, M3.5  
**Screw Plating**—Zinc with chromate  
**Wire Protector**—Stainless steel

### Mechanical Properties

**Pitch (terminal spacing)**—  
12mm [.472"]  
**Wire Strip Length**—7mm [.28"]  
**Min. Wire Pull-Out Force**—125 lbs.  
**Recommended Tightening  
Torque**—10 in.-lbs.  
**Recommended Screwdrivers**—  
Stanley 1016, Sears Craftsman 41429,  
Xcelite R184

### Electrical Properties

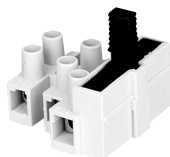
**Maximum Current**—40A  
**Operating Voltage**—250V  
**Wire Range**—10-24 AWG  
**Dielectric Withstand**—4500V

### Environmental Properties

**Continuous Working  
Temperature**—  
-50°C to +160°C [-58°F to +320°F]

| No. of<br>Positions | Dimensions   |            | Wire Protector |                 |
|---------------------|--------------|------------|----------------|-----------------|
|                     | A            | B          | Part Number    | Catalog Number  |
| 1                   | 7.5 (.30)    | —          | —              | TSB1000 01DS HT |
| 2                   | 19.5 (.77)   | —          | 1776304-2      | TSB1000 02DS HT |
| 3                   | 31.5 (1.24)  | 12 (.47)   | 1776304-3      | TSB1000 03DS HT |
| 4                   | 43.5 (1.71)  | 24 (.95)   | 1776304-4      | TSB1000 04DS HT |
| 5                   | 55.5 (2.19)  | 36 (1.42)  | 1776304-5      | TSB1000 05DS HT |
| 6                   | 67.5 (2.66)  | 48 (1.89)  | 1776304-6      | TSB1000 06DS HT |
| 7                   | 79.5 (3.13)  | 60 (2.36)  | 1776304-7      | TSB1000 07DS HT |
| 8                   | 91.5 (3.60)  | 72 (2.84)  | 1776304-8      | TSB1000 08DS HT |
| 9                   | 103.5 (4.07) | 84 (3.31)  | 1776304-9      | TSB1000 09DS HT |
| 10                  | 115.5 (4.55) | 96 (3.78)  | 1-1776304-0    | TSB1000 10DS HT |
| 11                  | 127.5 (5.02) | 108 (4.25) | 1-1776304-1    | TSB1000 11DS HT |
| 12                  | 139.5 (5.49) | 120 (4.72) | 1-1776304-2    | TSB1000 12DS HT |

## 12mm [.472] Pitch, Fused Terminal Blocks—Series 1003Si



### Material & Finish

**Housing Material**—Polyamide 6/6

**Color**—Gray, handle is black

**Tubular Contact**—Brass, tin plated

**Screw**—Steel

**Screw Plating**—Zinc with chromate

**Wire Protector**—Stainless steel

**Contacts for Fuses**—Stainless steel screw

**Tunnel Connection**—Without wire protector

### Mechanical Properties

**Pitch (terminal spacing)**—  
12mm [.472"]

**Wire Strip Length**—7.5mm [.295"]

### Electrical Properties

**Maximum Current**—

To VDE 0820—Fuse Holder 16A

To VDE 0100—Terminal Blocks 34A

To VDE 0700/0711—Terminal  
Blocks 16A

**Operating Voltage**—

Fuse Holder—250V

Terminal Blocks—400V

**Wire Range**—

Wire Protector—up to  
10mm<sup>2</sup> (10-24 AWG)

Tunnel Connection—up to  
4mm<sup>2</sup> (8-22 AWG)

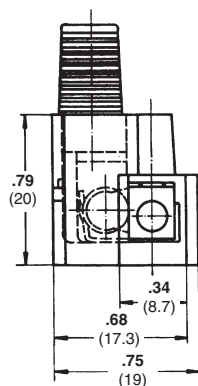
### Environmental Properties

**Continuous Working**

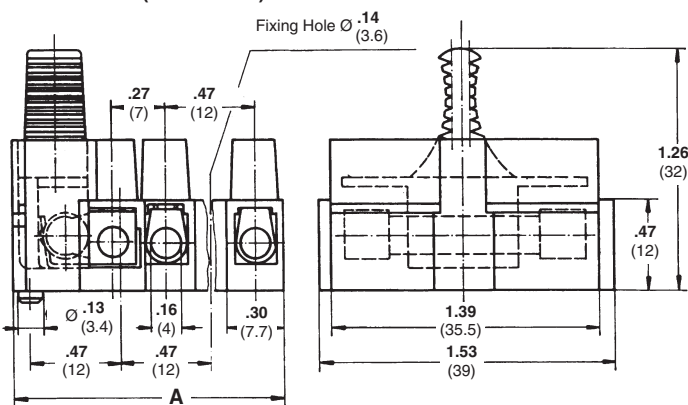
**Temperature**—

-35°C to +100°C [-31°F to +212°F]

1003Si/1 (1 Circuit)



1003Si (2-5 Circuits)



Series 1003Si & 1003Si...DS version of TSB1000 Series with an integrated fuse holder for 1/4" x 1" (6.3 x 25mm) or 1/4" x 1 1/4" (6.3mm x 32mm). Protection against unintended touch of live parts to VBG4.

Series 1003Si...E & 1003Si...EDS include a ground connection.

| No. of Positions | Dim. A     | Tunnel Connection |                | Wire Protector |                | Tunnel Connection Grounded |                | Wire Protector Grounded |                |
|------------------|------------|-------------------|----------------|----------------|----------------|----------------------------|----------------|-------------------------|----------------|
|                  |            | Part Number       | Catalog Number | Part Number    | Catalog Number | Part Number                | Catalog Number | Part Number             | Catalog Number |
| 1                | 18.7 (.74) | 1-1776309-1       | 1003Si 1       | 1776309-1      | 1003Si 1DS     | —                          | —              | —                       | —              |
| 2                | 24 (0.95)  | 1-1776309-2       | 1003Si 2       | 1776309-2      | 1003Si 2DS     | —                          | —              | —                       | —              |
| 3                | 36 (1.42)  | 1-1776309-3       | 1003Si 3       | —              | 1003Si 3DS     | 1776309-3                  | 1003Si 3E      | 1776309-4               | 1003Si 3EDS    |
| 4                | 48 (1.89)  | 1-1776309-4       | 1003Si 4       | —              | 1003Si 4DS     | —                          | 1003Si 4E      | —                       | 1003Si 4EDS    |
| 5                | 60 (2.36)  | 1-1776309-5       | 1003Si 5       | —              | 1003Si 5DS     | —                          | 1003Si 5E      | —                       | 1003Si 5EDS    |

## 13.5mm [.531] Pitch, 40A—Series TSB1500



### Material & Finish

**Housing Material**—Polyamide 6

**Flammability**—UL94V-2

**Color**—Natural (off white)

**Tubular Contact**—Brass, tin plated

**Screw**—Steel

**Screw Plating**—Zinc with chromate

**Wire Protector**—Stainless steel

**Tunnel Connection**—Without wire protector

### Mechanical Properties

**Pitch (terminal spacing)**—  
13.5mm [.531"]

**Wire Strip Length**—8mm [.315"]

**Recommended Tightening**

**Torque**—10 in.-lbs.

**Recommended Screwdrivers**—

Stanley 1016, Sears Craftsman 41429,  
Xcelite R184

### Electrical Properties

**Maximum Current**—40A (UR);  
55A (CSA)

**Operating Voltage**—300V

**Wire Range**—

Wire Protector—8-18 AWG

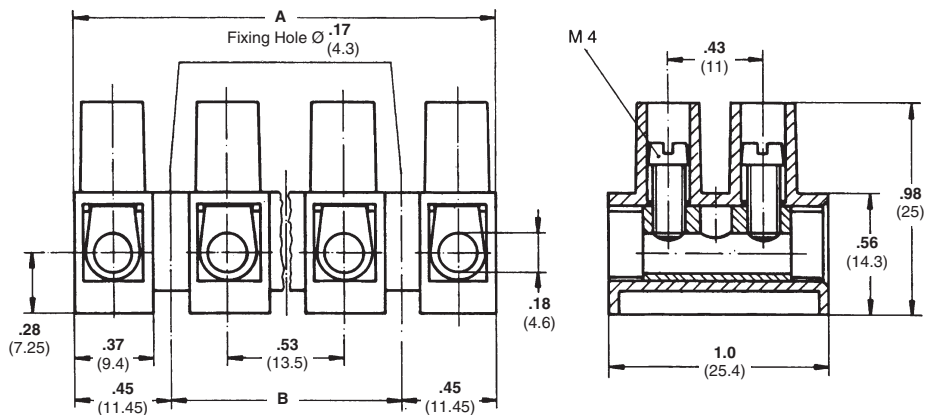
Tunnel Connection—8-16 AWG

### Environmental Properties

**Continuous Working**

**Temperature**—

-35°C to +100°C [-31°F to +212°F]



Tunnel Connection Version shown

| No. of Positions | Dimensions   |              | Tunnel Connection |                | Wire Protector |                |
|------------------|--------------|--------------|-------------------|----------------|----------------|----------------|
|                  | A            | B            | Part Number       | Catalog Number | Part Number    | Catalog Number |
| 1                | 9.4 (.37)    | —            | 1776310-1         | TSB1500 01     | 1776311-1      | TSB1500 01DS   |
| 2                | 22.9 (.90)   | —            | 1776310-2         | TSB1500 02     | 1776311-2      | TSB1500 02DS   |
| 3                | 36.4 (1.43)  | 13.5 (.53)   | 1776310-3         | TSB1500 03     | 1776311-3      | TSB1500 03DS   |
| 4                | 49.9 (1.96)  | 27.0 (1.06)  | 1776310-4         | TSB1500 04     | 1776311-4      | TSB1500 04DS   |
| 5                | 63.4 (2.49)  | 40.5 (1.59)  | 1776310-5         | TSB1500 05     | 1776311-5      | TSB1500 05DS   |
| 6                | 76.9 (3.03)  | 54.0 (2.12)  | 1776310-6         | TSB1500 06     | 1776311-6      | TSB1500 06DS   |
| 7                | 90.4 (3.55)  | 67.5 (2.65)  | 1776310-7         | TSB1500 07     | 1776311-7      | TSB1500 07DS   |
| 8                | 103.9 (4.09) | 81.0 (3.19)  | 1776310-8         | TSB1500 08     | 1776311-8      | TSB1500 08DS   |
| 9                | 117.4 (4.62) | 94.5 (3.72)  | 1776310-9         | TSB1500 09     | 1776311-9      | TSB1500 09DS   |
| 10               | 130.9 (5.15) | 108.0 (4.25) | 1-1776310-0       | TSB1500 10     | 1-1776311-0    | TSB1500 10DS   |
| 11               | 144.4 (5.68) | 121.5 (4.78) | 1-1776310-1       | TSB1500 11     | 1-1776311-1    | TSB1500 11DS   |
| 12               | 157.9 (6.21) | 135.0 (5.31) | 1-1776310-2       | TSB1500 12     | 1-1776311-2    | TSB1500 12DS   |

## 14.5mm [.571] Pitch, 65A—Series TSB2000



### Material & Finish

**Housing Material**—Polyamide 6

**Flammability**—UL94V-2

**Color**—Natural (off white)

**Tubular Contact**—Brass, tin plated

**Screw**—Steel, M3.5

**Screw Plating**—Zinc with chromate

**Wire Protector**—Stainless steel

**Tunnel Connection**—Without wire protector

### Mechanical Properties

**Pitch (terminal spacing)**—  
14.5mm [.571"]

**Wire Strip Length**—9mm [.35"]

**Min. Wire Pull-Out Force**—150lbs.

**Recommended Tightening**

**Torque**—12 in.-lbs.

**Recommended Screwdrivers**—

Stanley 1008, Sears Craftsman 41436,

Xcelite R3164

### Electrical Properties

**Maximum Current**—65A (UR),  
70A (CSA)

**Operating Voltage**—300V

**Wire Range**—6-14 AWG (UR),  
6-22 AWG (CSA)

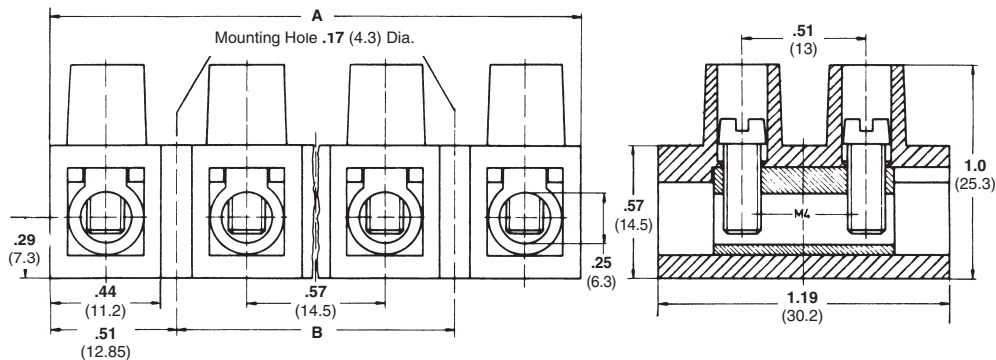
**Dielectric Withstand**—6000V

### Environmental Properties

**Continuous Working**

**Temperature**—

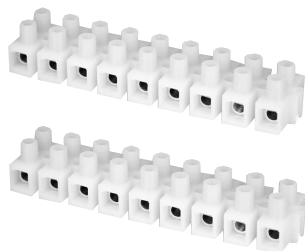
-35°C to +100°C [-31°F to +212°F]



Tunnel Connection Version shown

| No. of<br>Positions | Dimensions   |              | Tunnel Connection |                | Wire Protector |                |
|---------------------|--------------|--------------|-------------------|----------------|----------------|----------------|
|                     | A            | B            | Part Number       | Catalog Number | Part Number    | Catalog Number |
| 1                   | 11.2 (.44)   | —            | 1776312-1         | TSB2000 01     | 1776313-1      | TSB2000 01DS   |
| 2                   | 25.7 (1.01)  | —            | 1776312-2         | TSB2000 02     | 1776313-2      | TSB2000 02DS   |
| 3                   | 40.2 (1.58)  | 14.5 (.57)   | 1776312-3         | TSB2000 03     | 1776313-3      | TSB2000 03DS   |
| 4                   | 54.7 (2.15)  | 29.0 (1.14)  | 1776312-4         | TSB2000 04     | 1776313-4      | TSB2000 04DS   |
| 5                   | 69.2 (2.72)  | 43.5 (1.71)  | 1776312-5         | TSB2000 05     | 1776313-5      | TSB2000 05DS   |
| 6                   | 83.7 (3.30)  | 58.0 (2.28)  | 1776312-6         | TSB2000 06     | 1776313-6      | TSB2000 06DS   |
| 7                   | 98.2 (3.87)  | 72.5 (2.85)  | 1776312-7         | TSB2000 07     | 1776313-7      | TSB2000 07DS   |
| 8                   | 112.7 (4.44) | 87.0 (3.43)  | 1776312-8         | TSB2000 08     | 1776313-8      | TSB2000 08DS   |
| 9                   | 127.2 (5.01) | 101.5 (4.00) | 1776312-9         | TSB2000 09     | 1776313-9      | TSB2000 09DS   |
| 10                  | 141.7 (5.58) | 116.0 (4.57) | 1-1776312-0       | TSB2000 10     | 1-1776313-0    | TSB2000 10DS   |
| 11                  | 156.2 (6.15) | 130.5 (5.14) | 1-1776312-1       | TSB2000 11     | 1-1776313-1    | TSB2000 11DS   |
| 12                  | 170.7 (6.72) | 145.0 (5.71) | 1-1776312-2       | TSB2000 12     | 1-1776313-2    | TSB2000 12DS   |

## 14.5mm [.571] Pitch, 65A High Temperature—Series TSB2000...HT



### Material & Finish

**Housing Material**—Polyamide 6/6  
**Flammability**—UL94V-0  
**Housing Color**—Brown  
**Tubular Contact**—Brass, tin plated  
**Screw**—Steel, M3.5  
**Screw Plating**—Zinc with chromate  
**Wire Protector**—Stainless steel

### Mechanical Properties

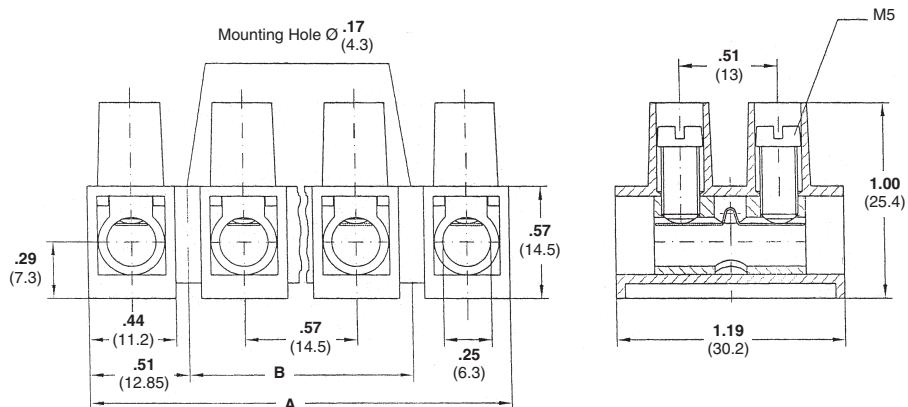
**Pitch (terminal spacing)**—  
14.5mm [.571"]  
**Wire Strip Length**—9mm [.35"]  
**Min. Wire Pull-Out Force**—150 lbs.  
**Recommended Tightening  
Torque**—12 in.-lbs.  
**Recommended Screwdrivers**—  
Stanley 1008, Sears Craftsman 41436,  
Xcelite R3164

### Electrical Properties

**Maximum Current**—65A (UR),  
70A (CSA)  
**Operating Voltage**—300V  
**Wire Range**—6-14 AWG (UR),  
6-22 AWG (CSA)  
**Dielectric Withstand**—6000V

### Environmental Properties

**Continuous Working  
Temperature**—  
-35°C to +150°C [-31°F to +302°F]



| No. of<br>Positions | Dimensions   |              | Wire Protector |                 |
|---------------------|--------------|--------------|----------------|-----------------|
|                     | A            | B            | Part Number    | Catalog Number  |
| 1                   | 11.2 (.44)   | —            | 1776314-1      | TSB2000 01 DSHT |
| 2                   | 25.7 (1.01)  | —            | 1776314-2      | TSB2000 02 DSHT |
| 3                   | 40.2 (1.58)  | 14.5 (.57)   | 1776314-3      | TSB2000 03 DSHT |
| 4                   | 54.7 (2.15)  | 29.0 (1.14)  | 1776314-4      | TSB2000 04 DSHT |
| 5                   | 69.2 (2.72)  | 43.5 (1.71)  | 1776314-5      | TSB2000 05 DSHT |
| 6                   | 83.7 (3.30)  | 58.0 (2.28)  | 1776314-6      | TSB2000 06 DSHT |
| 7                   | 98.2 (3.87)  | 72.5 (2.85)  | 1776314-7      | TSB2000 07 DSHT |
| 8                   | 112.7 (4.44) | 87.0 (3.43)  | 1776314-8      | TSB2000 08 DSHT |
| 9                   | 127.2 (5.01) | 101.5 (4.00) | 1776314-9      | TSB2000 09 DSHT |
| 10                  | 141.7 (5.58) | 116.0 (4.57) | 1-1776314-0    | TSB2000 10 DSHT |
| 11                  | 156.2 (6.15) | 130.5 (5.14) | 1-1776314-1    | TSB2000 11 DSHT |
| 12                  | 170.7 (6.72) | 145.0 (5.71) | 1-1776314-2    | TSB2000 12 DSHT |

Note: Minimum order quantities may apply.

## 14.5mm [.571] Pitch, 65A High Voltage Version—Series TSB2000...US



### Material & Finish

**Housing Material**—Polyamide 6

**Flammability**—UL94V-2

**Color**—Natural (off white)

**Tubular Contact**—Brass, tin plated

**Screw**—Steel, M3.5

**Screw Plating**—Zinc with chromate

**Wire Protector**—Stainless Steel

### Mechanical Properties

**Pitch (terminal spacing)**—

14.5mm [.571"]

**Wire Strip Length**—9mm [.35"]

**Min. Wire Pull-Out Force**—150 lbs.

**Recommended Tightening**

**Torque**—12 in.-lbs.

**Recommended Screwdrivers**—

Stanley 1008, Sears Craftsman 41436,  
Xcelite R3164

### Electrical Properties

**Maximum Current**—65A (UR),  
70A (CSA)

**Operating Voltage**—600V

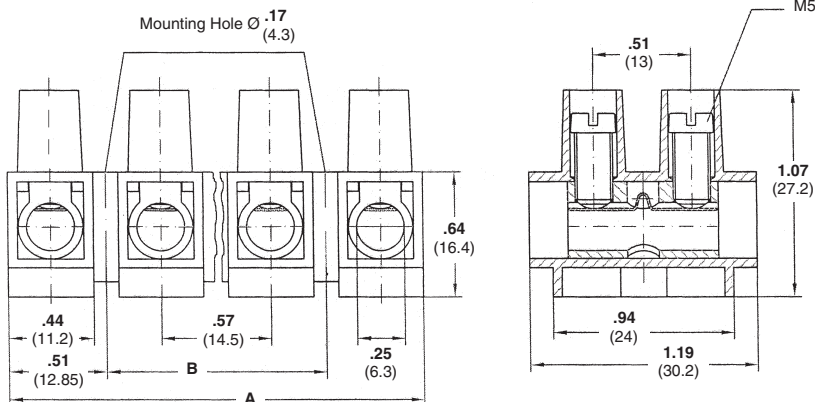
**Wire Range**—6-14 AWG (UR),  
6-22 AWG (CSA)

**Dielectric Withstand**—6000V

### Environmental Properties

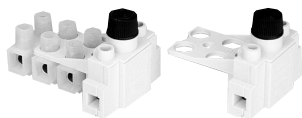
**Continuous Working**  
**Temperature**—

-35°C to +100°C [-31°F to +212°F]



| No. of<br>Positions | Dimensions   |              | Wire Protector |                |
|---------------------|--------------|--------------|----------------|----------------|
|                     | A            | B            | Part Number    | Catalog Number |
| 1                   | 11.2 (.44)   | —            | —              | TSB2000 01KDS  |
| 2                   | 25.7 (1.01)  | —            | 1776315-2      | TSB2000 02KDS  |
| 3                   | 40.2 (1.58)  | 14.5 (.57)   | 1776315-3      | TSB2000 03KDS  |
| 4                   | 54.7 (2.15)  | 29.0 (1.14)  | 1776315-4      | TSB2000 04KDS  |
| 5                   | 69.2 (2.72)  | 43.5 (1.71)  | 1776315-5      | TSB2000 05KDS  |
| 6                   | 83.7 (3.30)  | 58.0 (2.28)  | 1776315-6      | TSB2000 06KDS  |
| 7                   | 98.2 (3.87)  | 72.5 (2.85)  | 1776315-7      | TSB2000 07KDS  |
| 8                   | 112.7 (4.44) | 87.0 (3.43)  | 1776315-8      | TSB2000 08KDS  |
| 9                   | 127.2 (5.01) | 101.5 (4.00) | 1776315-9      | TSB2000 09KDS  |
| 10                  | 141.7 (5.58) | 116.0 (4.57) | 1-1776315-0    | TSB2000 10KDS  |
| 11                  | 156.2 (6.15) | 130.5 (5.14) | 1-1776315-1    | TSB2000 11KDS  |
| 12                  | 170.7 (6.72) | 145.0 (5.71) | 1-1776315-2    | TSB2000 12KDS  |

## Fuse Holder (for Series TSB500, TSB1000)—Series 500Si



### Material & Finish

**Housing Material**—Polyamide 6/6

**Color**—Gray

**Tubular Contact**—Brass, tin plated

**Screw**—Steel

**Screw Plating**—Zinc with chromate

### Mechanical Properties

**Pitch (terminal spacing)**—

10mm [.394] and 12mm [.472]

**Wire Strip Length**—6.5mm [.256]

### Electrical Properties

**Maximum Current**—

To VDE 0820—10A

To VDE 0700/0711—10A

**Operating Voltage**—250V

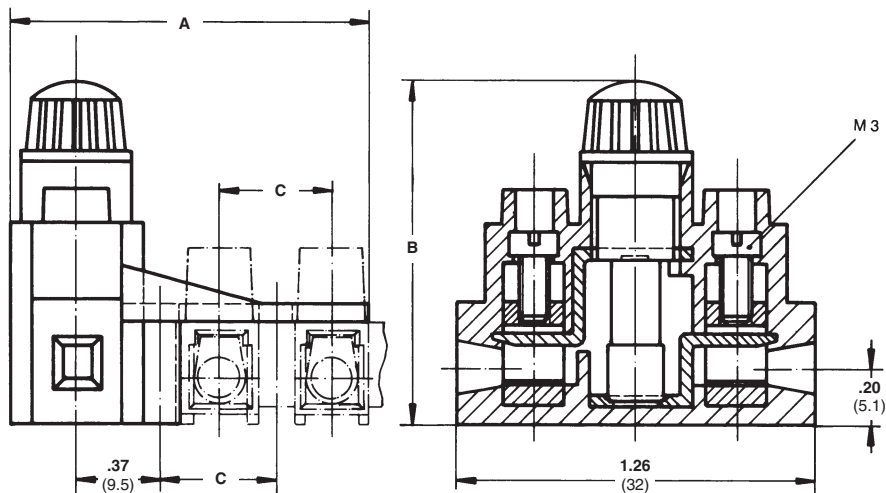
**Wire Range**—12-22 AWG

### Environmental Properties

**Continuous Working**

**Temperature**—

-35°C to +100°C [-31°F to +212°F]



### Series 500Si:

Two versions mate with TSB500 and TSB1000 to provide a fuse holder for 5 x 20mm [.197 x .787] or 5mm x 25mm [.197 x .984] fuses. These connectors comply with VDE 0820, part 2.

### Series 500Si...K:

Same as the standard series but provides a raised, transparent "bayonet catch" which serves as a Fuse Link Carrier for fuses 5 x 25mm [.197 x .984] (with indicator).

| Description                             | Dimensions |            |           | Catalog Number |
|-----------------------------------------|------------|------------|-----------|----------------|
|                                         | A          | B          | C         |                |
| For TSB500 Series                       | 35 (1.378) | 29 (1.142) | 10 (.394) | 500Si 5        |
| For TSB1000 Series                      | 37 (1.457) | 30 (1.181) | 12 (.472) | 500Si 10       |
| w/ Fuse Link Carrier for TSB500 Series  | 35 (1.378) | 34 (1.339) | 10 (.394) | 500Si 5K       |
| w/ Fuse Link Carrier for TSB1000 Series | 37 (1.457) | 35 (1.378) | 12 (.472) | 500Si 10K      |

## Covers—Series ABK



### Material & Finish

**Housing Material**—Polyamide 6/6

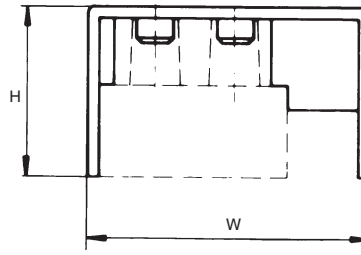
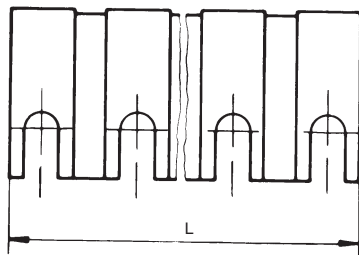
**Color**—Gray

**Continuous Working**

**Temperature**—100°C [212°F]

### Series ABK 405, 406, & 415 Covers

These covers mate with Series TSB500, TSB1000 and TSB1500. They do not mate with TSB500 SK.



#### Cover for TSB500 Series

| Dimensions<br>L x W x H                | Catalog<br>Number |
|----------------------------------------|-------------------|
| 18 x 29 x 18.8 (.709 x 1.142 x .740)   | ABK 405 02        |
| 28 x 29 x 18.8 (1.102 x 1.142 x .740)  | ABK 405 03        |
| 38 x 29 x 18.8 (1.496 x 1.142 x .740)  | ABK 405 04        |
| 58 x 29 x 18.8 (2.283 x 1.142 x .740)  | ABK 405 06        |
| 118 x 29 x 18.8 (4.646 x 1.142 x .740) | ABK 405 12        |

#### Cover for TSB1000 Series

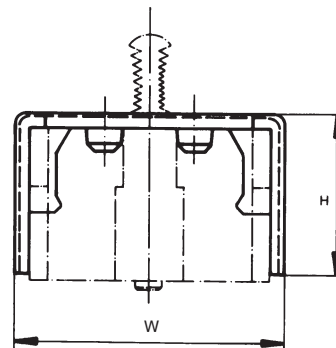
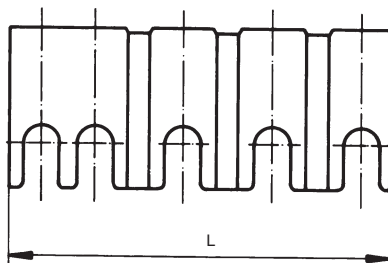
| Dimensions<br>L x W x H                  | Catalog<br>Number |
|------------------------------------------|-------------------|
| 21 x 35.5 x 20.7 (.827 x 1.398 x .815)   | ABK 406 02        |
| 33 x 35.5 x 20.7 (1.299 x 1.398 x .815)  | ABK 406 03        |
| 45 x 35.5 x 20.7 (1.772 x 1.398 x .815)  | ABK 406 04        |
| 69 x 35.5 x 20.7 (2.717 x 1.398 x .815)  | ABK 406 06        |
| 141 x 35.5 x 20.7 (5.551 x 1.398 x .815) | ABK 406 12        |

#### Cover for TSB1500 Series

| Dimensions<br>L x W x H                    | Catalog<br>Number |
|--------------------------------------------|-------------------|
| 24 x 37.5 x 25.5 (.945 x 1.476 x 1.004)    | ABK 415 02        |
| 37.5 x 37.5 x 25.5 (1.476 x 1.476 x 1.004) | ABK 415 03        |
| 51 x 37.5 x 25.5 (2.008 x 1.476 x 1.004)   | ABK 415 04        |
| 78 x 37.5 x 25.5 (3.071 x 1.476 x 1.004)   | ABK 415 06        |
| 158 x 37.5 x 25.5 (6.220 x 1.476 x 1.004)  | ABK 415 12        |

### Series ABK 503 Covers

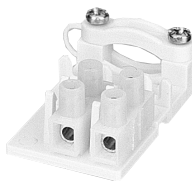
These covers mate with Series 503Si.



#### Cover for 503Si Series

| Dimensions<br>L x W x H                   | Catalog<br>Number |
|-------------------------------------------|-------------------|
| 13.5 x 30.5 x 18.5 (.531 x 1.201 x .728)  | ABK 503 02        |
| 24 x 30.5 x 18.5 (.945 x 1.201 x .728)    | ABK 503 03        |
| 33.5 x 30.5 x 18.5 (1.319 x 1.201 x .728) | ABK 503 04        |
| 43 x 30.5 x 18.5 (1.693 x 1.201 x .728)   | ABK 503 05        |

## Strain Relief (for Series TSB500)—Series 500...ZEL



### Material & Finish

**Housing Material**—Polyamide 6/6

**Color**—White

**Tracking Resistance**—CTI 600

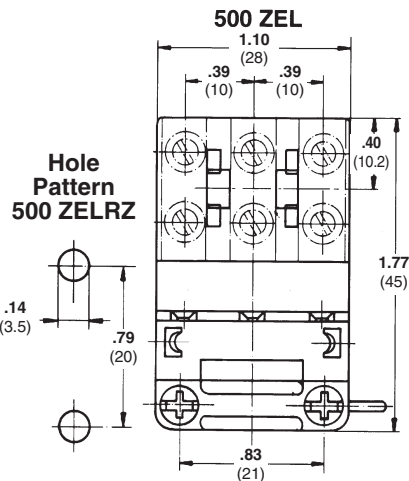
**Screw**—Steel

**Screw Plating**—Zinc with yellow  
chromate C 2.9 x 13mm [.114 x .512]

### Environmental Properties

#### Continuous Working

**Temperature**—  
-35°C to +100°C [-31°F to +212°F]

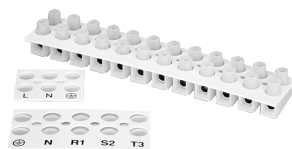


| Description                      | Part Number | Catalog Number |
|----------------------------------|-------------|----------------|
| For Series TSB500                | 1546182-1   | 500 3ZEL       |
| With Catch Pin for Series TSB500 | 1546182-2   | 500 3ZELRZ     |

Strain reliefs are provided with a captive clamping mechanism that can be rotated by 180° accommodating variable sizes of conductors. Two Phillips screws are enclosed.

A cable guide comb for TSB500 of 3 or more circuits fixes the Europa block to the strain relief. A screw mounts the Europa block to the 500 3ZEL; a catch pin mounts the block to the 500 3ZELRZ

## Blank Marking Labels—Series...BZ (2-12 Circuits)

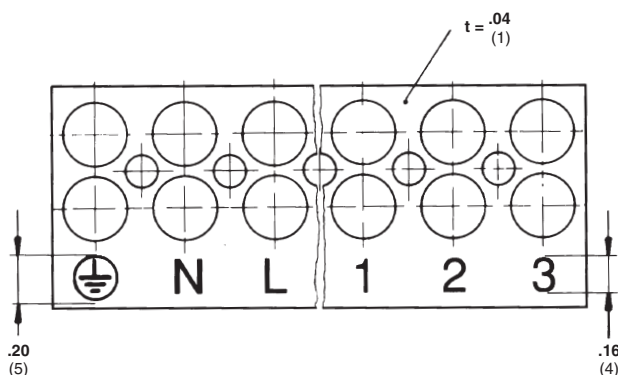


### Material & Finish

**Material**—Roughened synthetic

**Color**—White

**Thickness**—1mm



| Catalog Number |               |                |                |                |
|----------------|---------------|----------------|----------------|----------------|
| TSB230 Series  | TSB500 Series | TSB1000 Series | TSB1500 Series | TSB2000 Series |
| 230 BZM        | 500 BZM       | 1000 BZM       | 1500 BZM       | 2000 BZM       |

Standard Package: 100 pieces per catalog number, 2-meter [6.56 ft] length

Each pole is provided with 2 holes allowing the marking labels to be slipped on the “chimney” tops, and with a mounting hole corresponding to the mounting hole of the connectors.

### Marking Strips:

Series TSB Marking Strips are available in both Standard and Custom-cut lengths. Standard Marking Strips are supplied blank, 2 meters [6.56 ft] in length which the customer may

cut to suit individual length requirement. Custom Marking Strips are supplied pre-cut, and may be ordered blank or with printing. Marking Strips protrude from the barrier strip approximately 5mm [.197] on one side, and can be affixed to either the bottom or the top of the barrier strip.

| TSB230 Series |                | TSB500 Series |                | TSB1000 Series |                | TSB1500 Series | TSB2000 Series |
|---------------|----------------|---------------|----------------|----------------|----------------|----------------|----------------|
| Part Number   | Catalog Number | Part Number   | Catalog Number | Part Number    | Catalog Number | Catalog Number | Catalog Number |
| —             | M230 BZ 02     | —             | M500 BZ 02     | —              | M1000 BZ 02    | M1500 BZ 02    | M2000 BZ 02    |
| 1-1437387-5   | M230 BZ 03     | —             | M500 BZ 03     | —              | M1000 BZ 03    | M1500 BZ 03    | M2000 BZ 03    |
| 1-1437387-6   | M230 BZ 04     | —             | M500 BZ 04     | —              | M1000 BZ 04    | M1500 BZ 04    | M2000 BZ 04    |
| —             | M230 BZ 05     | —             | M500 BZ 05     | —              | M1000 BZ 05    | M1500 BZ 05    | M2000 BZ 05    |
| —             | M230 BZ 06     | 2-1437387-3   | M500 BZ 06     | —              | M1000 BZ 06    | M1500 BZ 06    | M2000 BZ 06    |
| —             | M230 BZ 07     | —             | M500 BZ 07     | —              | M1000 BZ 07    | M1500 BZ 07    | M2000 BZ 07    |
| —             | M230 BZ 08     | —             | M500 BZ 08     | 1546830-8      | M1000 BZ 08    | M1500 BZ 08    | M2000 BZ 08    |
| 1-1437387-7   | M230 BZ 09     | —             | M500 BZ 09     | —              | M1000 BZ 09    | M1500 BZ 09    | M2000 BZ 09    |
| 1-1437387-8   | M230 BZ 10     | —             | M500 BZ 10     | —              | M1000 BZ 10    | M1500 BZ 10    | M2000 BZ 10    |
| —             | M230 BZ 11     | —             | M500 BZ 11     | —              | M1000 BZ 11    | M1500 BZ 11    | M2000 BZ 11    |
| 1-1437387-9   | M230 BZ 12     | 2-1437387-4   | M500 BZ 12     | 1437387-6      | M1000 BZ 12    | M1500 BZ 12    | M2000 BZ 12    |

Standard Package: 250 pieces per catalog number

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## Engineering Notes

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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