

## Series TB100

### Double Row Terminal Blocks

#### SPECIFICATIONS

**Rating:** UL: 20A, 250V\*

CSA: 20A; 150V\*

**Center Spacing:** .375" (9.52 mm)

**Wire Size:** #14 - 22 AWG CU

**Screw Size:** #6-32 zinc plated philslot screws

**Torque Rating:** Max. torque for #6 screws - 9 in/lb.

**Distance Between Barriers:** .30" (7.62 mm)

**Mounting:** #6 screws

**Materials:** Molded base: Black, UL rated 94V-0 thermoplastic

Terminal plating: Tin over brass; Screws: Zinc plated steel finished with a clear chromate and special coating to inhibit rust.

Hardware: Tin over brass

**Operating Temperature:** 260°F (130°C) max., -40°F (-40°C) min.

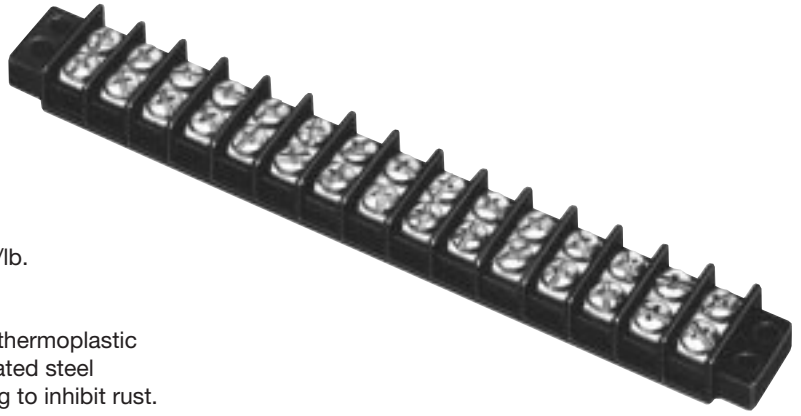
**Creepage Paths:** Terminal-to-terminal .275" (6.99 mm);

Terminal-to-mounting surface .300" (7.62 mm).

**Breakdown Voltage:** 3600V rms

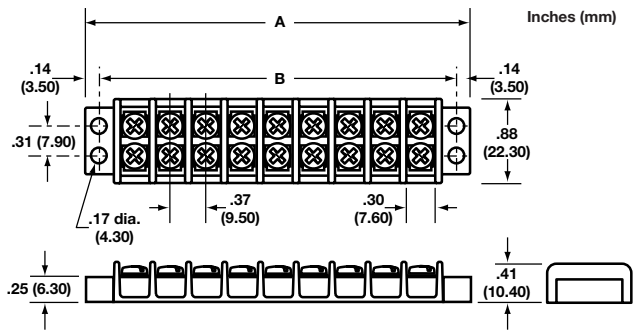
**Approvals:** UL E62622; CSA LR15364; IEC Compliance; CE Pending

\* Max. rating shown; some options may be rated lower - consult factory.



Poles	A	B	Poles	A	B	Poles	A	B
02	1.40	1.12	14	5.90	5.62	26	10.40	10.12
03	1.78	1.50	15	6.28	6.00	27	10.78	10.50
04	2.16	1.88	16	6.66	6.38	28	11.16	10.88
05	2.53	2.25	17	7.03	6.75	29	11.53	11.25
06	2.90	2.62	18	7.40	7.12	30	11.90	11.62
07	3.28	3.00	19	7.78	7.50	31	12.28	12.00
08	3.66	3.38	20	8.16	7.88	32	12.66	12.38
09	4.03	3.75	21	8.53	8.25	33	13.03	12.75
10	4.40	4.12	22	8.90	8.62	34	13.40	13.12
11	4.78	4.50	23	9.28	9.00	35	13.78	13.50
12	5.16	4.88	24	9.66	9.38	36	14.16	13.88
13	5.53	5.25	25	10.03	9.75			

TB100



\* Dimensions in inches. To convert to millimeters, multiply by 25.4.

## Part Numbering System

#### Series

T B 1 0 0

#### Poles

□ □

02 to 36

#### Screw Options

□ □

**Blank** - std. screws

**00** - screws shipped bulk

**B** - brass philslot, nickel plated

**BS** - brass Sems philslot, nickel plated

**SP** - steel Sems philslot, zinc plated

#### Marking

□ □

**L1 to L6** - std. marking

Marker strips (pg 23)

Covers (pg 22)

#### Hardware Options

□ □ □ □

**QC1 to QC20** - quick connects

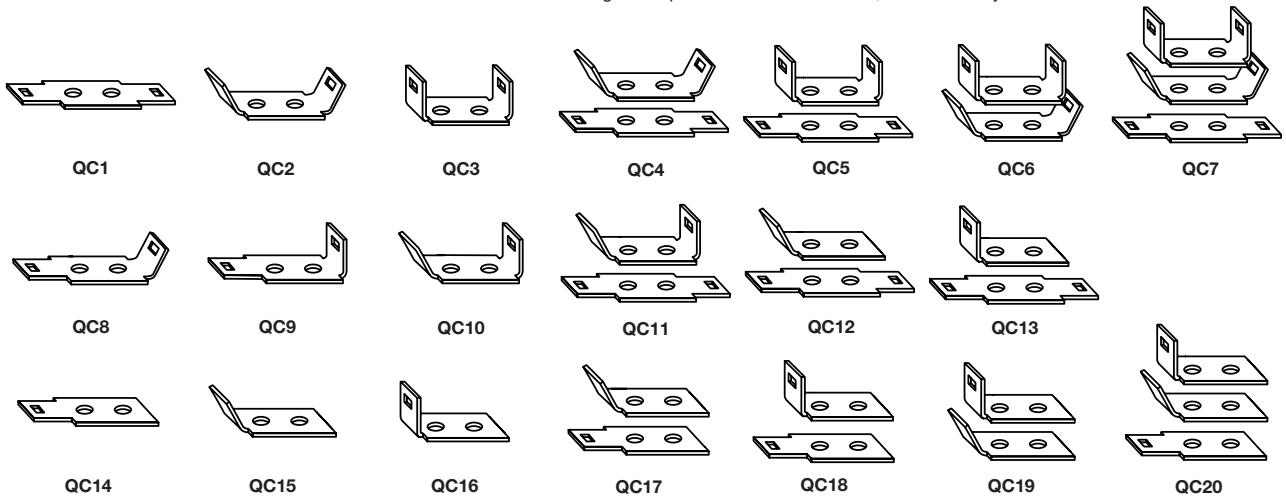


**Screw Options**

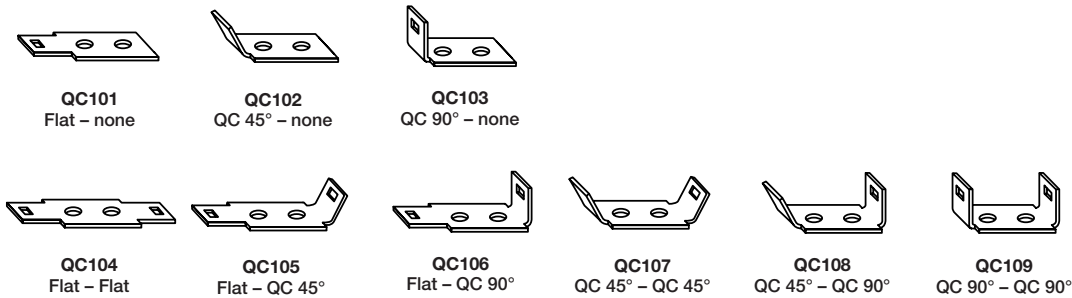


**Hardware Options**

**Quick Connects – Assembled** Terminals .187" x .020". Max. current rating 13 Amps. For other orientations, contact factory.



**Quick Connects – Bulk** Min. order per part no. – 100 pieces.



**Jumpers – Bulk** .020" thick tin plated brass. Min. order per part no. – 100 pieces. Contact factory for jumper assembly.



## Series TB200 & TB200HB

### Double Row Terminal Blocks

#### SPECIFICATIONS

**Rating:** TB200 – 20A, 300V\*

TB200HB – 20A, 600V\*

**Center Spacing:** .437" (11.10 mm)

**Wire Size:** #12 - 22 AWG CU

**Screw Size:** #6-32 zinc plated phillslot screws

**Torque Rating:** Max. torque for #6 screws - 9 in/lb.

**Distance Between Barriers:** .353" (8.97 mm)

**Mounting:** #6 screws

**Materials:** Molded base: Black, UL rated 94V-0 thermoplastic

Terminal plating: Tin over brass; Screws: Zinc plated steel

finished with a clear chromate and special coating to inhibit rust

Hardware: Tin over brass

**Operating Temperature:** 260°F (130°C) max., -40°F (-40°C) min.

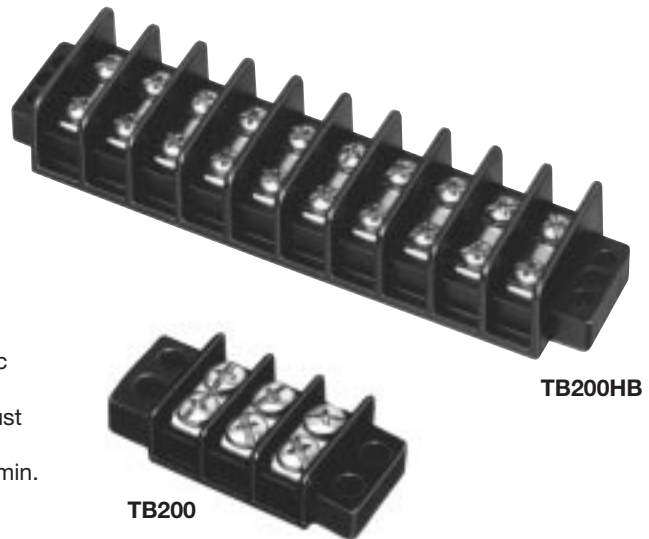
**Creepage Paths:** Terminal-to-terminal .400" (10.16 mm);

Terminal-to-mounting surface .375" (9.52 mm)

**Breakdown Voltage:** 4800V rms

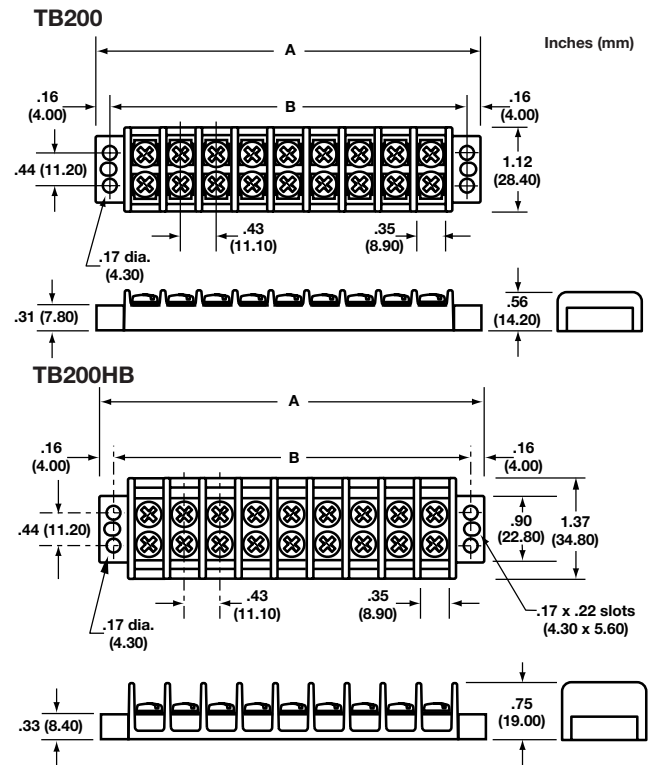
**Approvals:** UL E62622; CSA LR15364; IEC Compliance; CE Pending

\* Max. rating shown; some options may be rated lower - consult factory.



Poles	A	B	Poles	A	B	Poles	A	B
02	1.63	1.31	12	6.00	5.68	22	10.37	10.06
03	2.07	1.75	13	6.44	6.12	23	10.81	10.50
04	2.51	2.18	14	6.87	6.56	24	11.25	10.93
05	2.94	2.62	15	7.31	7.00	25	11.68	11.37
06	3.38	3.06	16	7.75	7.43	26	12.12	11.81
07	3.82	3.50	17	8.19	7.87	27	12.56	12.25
08	4.25	3.93	18	8.62	8.31	28	13.00	12.68
09	4.69	4.37	19	9.06	8.75	29	13.44	13.12
10	5.13	4.81	20	9.50	9.18	30	13.87	13.56
11	5.57	5.25	21	9.94	9.62			

\* Dimensions in inches. To convert to millimeters, multiply by 25.4.



## Part Numbering System

#### Series



200  
200HB

#### Poles



02 to 30

#### Screw Options



**Blank** - std. screws

**00** - screws shipped bulk

**B** - brass phillslot, nickel plated

**BS** - brass Sems phillslot, zinc plated

**SP** - steel Sems phillslot, zinc plated

#### Marking



**L1 to L6** - std. marking

Marker strips (pg 23)

Covers (pg 22)

#### Hardware Options



**QC1 to QC20** - quick connects

BIF document: 1423



## Screw Options



**B**  
Brass Philslot  
Nickel Plated



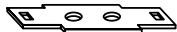
**BS**  
Brass SEMS  
Philslot Zinc Plated



**SP**  
Steel SEMS  
Philslot Zinc Plated

## Hardware Options

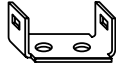
**Quick Connects – Assembled** Terminals .250" x .031". Max. current rating 24 Amps. For other orientations, contact factory.



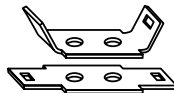
QC1



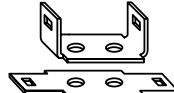
QC2



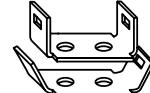
QC3



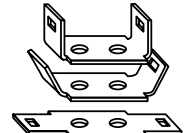
QC4



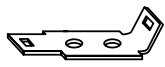
QC5



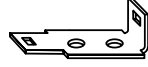
QC6



QC7



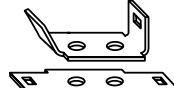
QC8



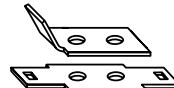
QC9



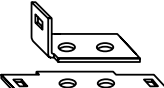
QC10



QC11



QC12



QC13



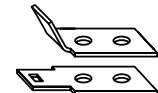
QC14



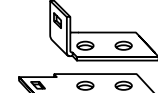
QC15



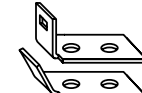
QC16



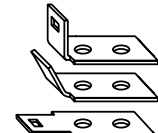
QC17



QC18



QC19



QC20

**Quick Connects – Bulk** Min. order per part no. – 100 pieces.



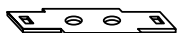
**QC201**  
Flat – none



**QC202**  
QC 45° – none



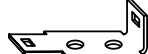
**QC203**  
QC 90° – none



**QC204**  
Flat – Flat



**QC205**  
Flat – QC 45°



**QC206**  
Flat – QC 90°



**QC207**  
QC 45° – QC 45°



**QC208**  
QC 45° – QC 90°

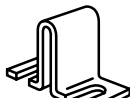


**QC209**  
QC 90° – QC 90°

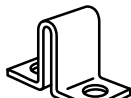
**Jumpers – Bulk** .020" thick tin plated brass. Min. order per part no. – 100 pieces. Contact factory for jumper assembly.



**J201**  
Flat slip-on  
(Not available  
on TB200HB)



**OJ3**  
Slip-on over barrier



**OJ7**  
Closed over barrier



# Series TB300 & TB345

## Double Row Terminal Blocks

### SPECIFICATIONS

- Rating:** TB300 – 30A, 600V\*  
TB345 – 45A, 600V\*
- Center Spacing:** .562" (14.28 mm).
- Wire Size:** #10 - 22 AWG CU
- Screw Size:** TB300 – #8-32 zinc plated philslot screws  
TB345 – #10-32 zinc plated philslot screws
- Torque Rating:** Max. torque for #8 screws - 16 in/lb;  
#10 screws - 20 in/lb.
- Distance Between Barriers:** .412" (10.46 mm)
- Mounting:** #10 screws
- Material:** Molded base: Black, UL rated 94V-0 thermoplastic  
Terminal plating: Tin over brass; Screws: Zinc plated steel  
finished with a clear chromate and special coating to inhibit rust  
Hardware: Tin over brass
- Operating Temperature:** 260°F (130°C) max., -40°F (-40°C) min.
- Creepage Paths:** Terminal-to-terminal .500" (12.70 mm);  
Terminal-to-mounting surface .450" (11.43 mm)
- Breakdown Voltage:** 7500V rms
- Approvals:** UL E62622; CSA LR15364; IEC Compliance; CE Pending

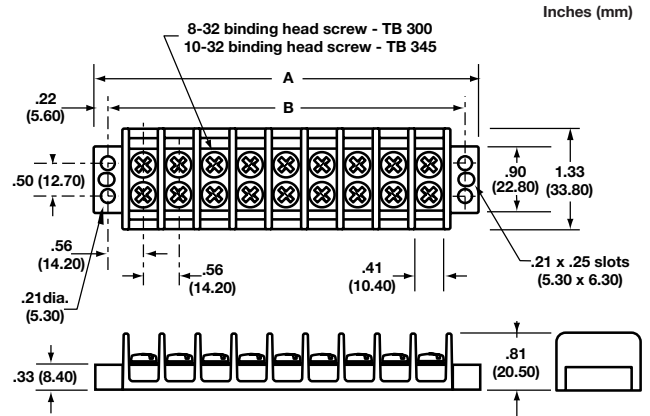
\* Max. rating shown; some options may be rated lower - consult factory.



Poles	A	B	Poles	A	B	Poles	A	B
02	2.13	1.69	10	6.62	6.19	18	11.12	10.68
03	2.69	2.25	11	7.18	6.75	19	11.68	11.25
04	3.25	2.81	12	7.75	7.31	20	12.24	11.81
05	3.81	3.37	13	8.31	7.87	21	12.80	12.37
06	4.37	3.94	14	8.87	8.44	22	13.37	12.93
07	4.94	4.50	15	9.43	9.00	23	13.93	13.50
08	5.50	5.06	16	9.99	9.56	24	14.49	14.06
09	6.06	5.62	17	10.56	10.12			

\* Dimensions in inches. To convert to millimeters, multiply by 25.4.

### TB300 & TB345



## Part Numbering System

<p><b>Series</b></p> <p><b>T B</b> <input type="text"/> <input type="text"/> <input type="text"/></p> <p>300 345</p>	<p><b>Poles</b></p> <p><b>02 to 24</b></p>	<p><b>Screw Options</b></p> <p><input type="text"/> <input type="text"/></p> <p><b>Blank</b> - std. screws <b>00</b> - screws shipped bulk <b>B</b> - brass philslot, nickel plated <b>BS</b> - brass Sems philslot, zinc plated (TB300 only) <b>SP</b> - steel Sems philslot, zinc plated</p>	<p><b>Marking</b></p> <p><input type="text"/> <input type="text"/></p> <p><b>L1 to L6</b> - std. marking Marker strips (pg 23) Covers (pg 22)</p>	<p><b>Hardware Options</b></p> <p><input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <p><b>QC1 to QC20</b> - quick connects (TB300 only)</p>
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## Screw Options



**B**  
Brass Philslot  
Nickel Plated



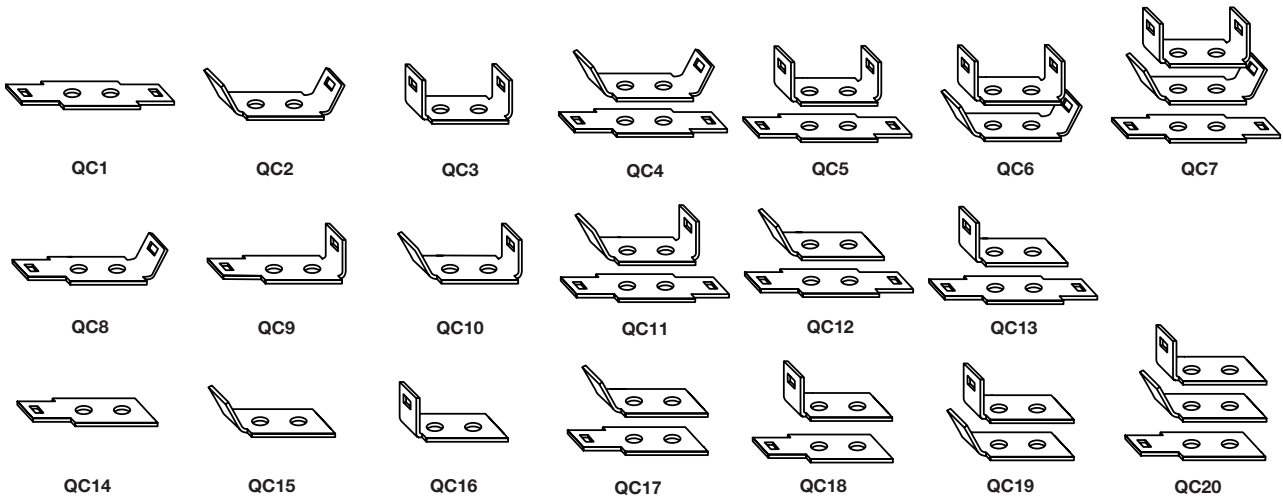
**BS**  
Brass SEMS  
Philslot Zinc Plated



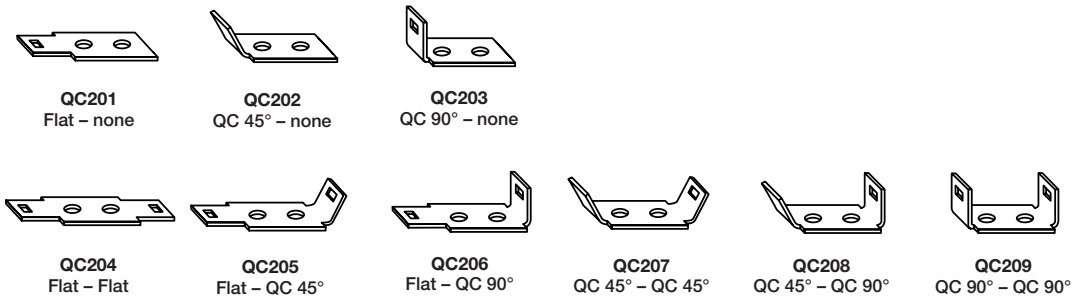
**SP**  
Steel SEMS  
Philslot Zinc Plated

## Hardware Options

Quick Connects – Assembled \*TB300 only. Terminals .250" x .031". Max. current rating 24 Amps. For other orientations, contact factory.



Quick Connects – Bulk \*TB300 only. Min. order per part no. – 100 pieces.



Jumpers – Bulk .020" thick tin plated brass. Min. order per part no. – 100 pieces. Contact factory for jumper assembly.



## Series TB400

### Double Row Terminal Blocks

#### SPECIFICATIONS

**Rating:** 75A, 600V\*

\* 30A max. with #10 AWG; 75A max. achieved with #4 AWG wire crimped to ring terminal.

**Center Spacing:** .687" (17.45 mm)

**Wire Size:** #10 - 14 AWG CU

**Screw Size:** #10-32 zinc plated phillslot screws

**Torque Rating:** Max. torque for #10 screw - 20 in/lb.

**Distance Between Barriers:** .562" (14.27 mm)

**Mounting:** #10 screws

**Material:** Molded base: Black, UL rated 94V-0 thermoplastic

Terminal plating: Tin over brass; Screws: Zinc plated steel

finished with a clear chromate and special coating to inhibit rust

**Operating Temperature:** 260°F (130°C) max., -40°F (-40°C) min.

**Creepage Paths:** Terminal-to-terminal .598" (15.19 mm);

Terminal-to-mounting surface .542" (13.77 mm)

**Breakdown Voltage:** 7500V rms

**Approvals:** UL E62622; CSA LR15364; IEC Compliance; CE Pending

\* 75A max achieved with #4 AWG wire crimped to ring terminal;  
30A max. with #10 AWG.

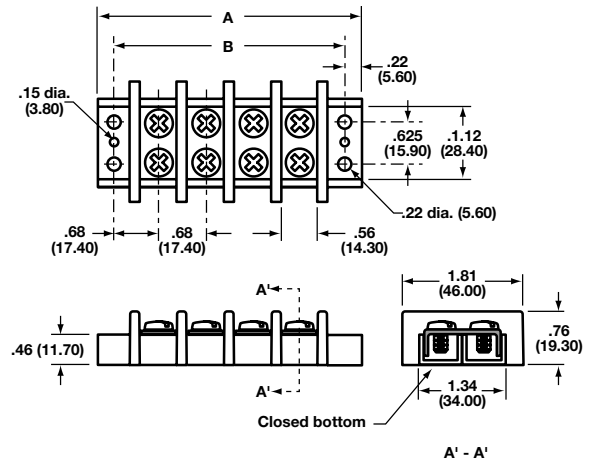


Poles	A	B	Poles	A	B	Poles	A	B
02	2.51	2.06	06	5.26	4.81	10	8.01	7.56
03	3.20	2.75	07	5.95	5.50	11	8.70	8.25
04	3.89	3.44	08	6.64	6.19	12	9.39	8.94
05	4.58	4.13	09	7.33	6.88			

\* Dimensions in inches. To convert to millimeters, multiply by 25.4.

TB400

Inches (mm)



## Screw Options



**B**  
Brass Phillslot  
Nickel Plated

## Part Numbering System

Series

T B 4 0 0

Poles

□ □

02 to 12

Screw Options

□ □

**Blank** - std. screws  
**00** - screws shipped bulk  
**B** - brass phillslot, nickel plated

Marking

Not available

Hardware Options

Not available

BIF document: 1425





## All Series Marking Options & Accessories

### Double Row Terminal Blocks



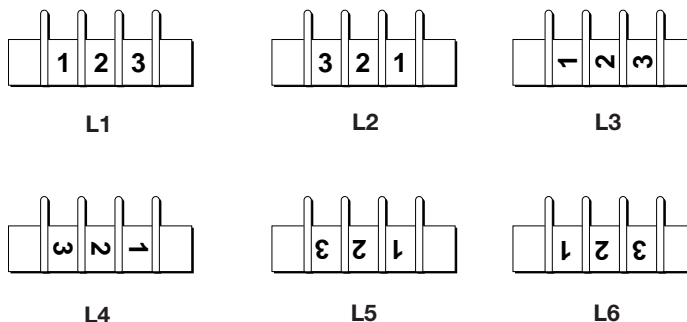
## Marking Options

### Standard Marking

Standard markings are applied directly to the side(s) of a block. Standard color is white. Standard height is .125".

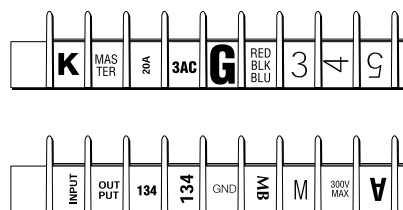
Note: Blocks marked on both sides require a different code for each side. Example Style L1 on one side of the block requires Style L2 on the other side to ensure common terminal marking. To order, add appropriate suffix (L1, L2, L3, L4, L5 and/or L6) to block part number in the proper sequence.

Note: Not available on TB400 Series



### Special Marking

Special markings are available at an additional charge for preparation. Production charges for setup, handling and marking are the same as for standard marking. Drawing(s) must be submitted to ensure accuracy of part required. Consult factory for price and delivery.

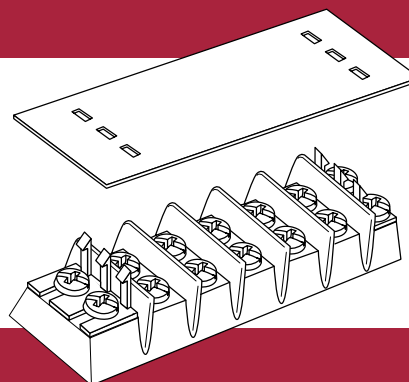


## Covers

Covers prevent personnel, screws and foreign items from contacting live terminals. Available in white or clear plastic. Two cover clips supplied with each cover. Cover width is 1.31 inches.

All covers must be ordered separately. Consult factory for special legends.

Example: 10 position cover, white, TB100 Series, no legends . . . Part # is X12010.



## Part Numbering System

### Series



### Cover Strip



- 120 - TB100/white
- 119 - TB100/clear
- 220 - TB200 & TB200HB\* - white
- 219 - TB200 & TB200HB\* - clear
- 320 - TB300 & TB345 - white
- 319 - TB300 & TB345 - clear

### Poles



- 02 to 36 (TB100)
- 02 to 30 (TB200/TB200HB)
- 02 to 24 (TB300/TB345)

### Cover Clips – Bulk

- Part Number
- DD1 – TB100 Series
  - DD2 – TB200 Series
  - DD2HB – TB200HB Series
  - DD3 – TB300 Series

Note: Not available on TB400 Series.

\* For use on TB200HB, specify HB after Part No. i.e., X21902HB





## Top & Bottom Marking Strips

### Double Row Terminal Blocks

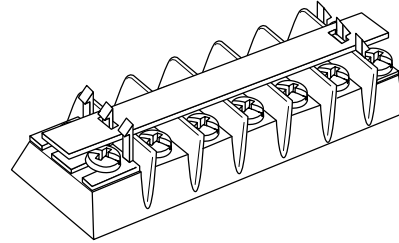
#### Top Marker Strips

Top mounting marker strips are available in white (opaque) plastic. Two cover clips are supplied with each marker strip.

All top marker strips must be ordered separately. Consult factory for special legends.

Example: 12 position cover, TB200, .032" x .312", with no legends . . . Part # is X20312.

Example: 12 position cover, TB200HB, .060" x .500", with no legends . . . Part # is X23312HB.



### Part Numbering System

#### Series



#### Top Marker Strip



- 133** - TB100 (.060 thk x .500w)
- 103** - TB100 (.032 thk x .312w)
- 233** - TB200 & TB200HB\* (.060 thk x .500w)
- 203** - TB200 & TB200HB\* (.032 thk x .312w)
- 333** - TB300 & TB345 (.060 thk x .500w)
- 303** - TB300 & TB345 (.032 thk x .380w)

#### Poles



- 02 to 36** (TB100)
- 02 to 30** (TB200/TB200HB)\*
- 02 to 24** (TB300/TB345)

Note: Not available on TB400 Series.  
\* For use on TB200HB, specify HB after Part No. i.e., X23302HB

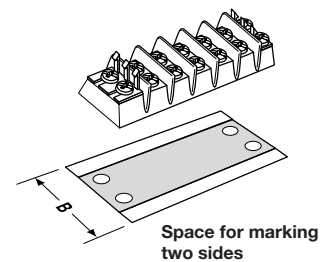
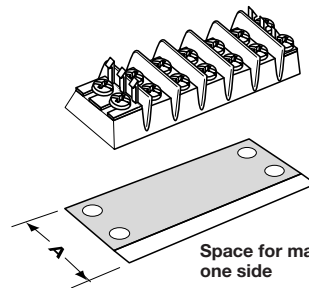
#### Bottom Marker Strips

Bottom mounting marker strips are made of black PVC, .030" thick. Space is available to handle most marking situations. All marker strips must be ordered separately.

To order, specify part number, required legends and (BF) bottom forward, (BR) bottom reverse, (TF) top forward, or (TR) top reverse. Consult factory for specials.

Example: 13 position strip, TB100 with no legends, space for marking one side . . . Part # is X10513.

Position for legends (one side, two sides) can be specified standard. Standard legend height is .125". Standard legends are 0-99. Special legends are available on special order. Drawing(s) must be submitted to ensure accuracy of part required.



### Part Numbering System

#### Series



#### Bottom Marker Strip



- 105** - TB100 - marking one side
- 101** - TB100 - marking both sides
- 205** - TB200 - marking one side
- 201** - TB200 - marking both sides
- 295** - TB200HB - marking one side
- 291** - TB200HB - marking both sides
- 305** - TB300 & TB345 - marking one side
- 301** - TB300 & TB345 - marking both sides

#### Poles



- 02 to 36** (TB100)
- 02 to 30** (TB200/TB200HB)
- 02 to 24** (TB300/TB345)

#### Orientation



- BF** - bottom forward
- BR** - bottom reverse
- TF** - top forward
- TR** - top reverse

Note: Not available on TB400 Series.

BIF document: 1427

