

TOWERS OF POWER

Our High Power Blocks Stand Tall

2008 High Power Terminal Block Short-Form Catalog



BLOCK MASTER BLOCKS
TM

World Class Terminal Blocks

**1400 Howard Street
Elk Grove Village, IL 60007
(800) 595-8881
www.BLOCKMASTER.com**

More Power To You!

BlockMaster Introduces 20 - 250A Terminal Blocks



Thank you for your interest in BlockMaster Electronics. You hold in your hands BlockMaster's newest short-form brochure. Printed as a companion to our newly updated website, www.blockmaster.com, this brochure marks the release of some very exciting new products: our **HIGH-POWER** terminal blocks.

The blocks in our high-power series start at 20A@300V and are available up to 250A@600V. They are offered in both PC board and thru-panel styles. The majority of the blocks are offered with clear plastic covers for further protection during field installation, and all of them have UL approval and are completely RoHS compliant.

Our high-power series also includes the JB-OTB-358, our **JELLY BEANS** style terminal block. Each terminal position in this block is color-coded to promote easy field wiring.



Just a few of the ideal applications for our high-power series include power supplies, HVAC controls, motor controls, industrial controls, and off-road vehicles. With power like this, though, we're sure these blocks will end up in countless other solutions. Just call BlockMaster and let us help you find the perfect block for your application!

Phone: (800) 595-8881

Fax: (847) 956-1690

**1400 Howard Street
Elk Grove Village, IL 60007**

DawnK@BlockMaster.com

This is an exciting time for BlockMaster as we continue to broaden our offerings in order to provide the most comprehensive terminal block selection in the market. Full technical specifications for all products listed in this brochure are also available on our website, www.blockmaster.com. We are continually updating this site as new product becomes available.

If we can provide any additional assistance, samples, or technical help, please feel free to contact us. In addition to the new brochure, BlockMaster can also offer a variety of sample kits and other support items. We are here to meet your needs!

Best Regards,

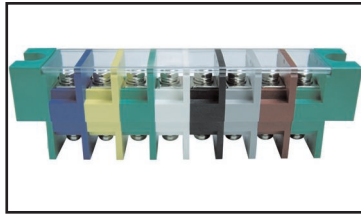
Dawn Kinzer

General Manager
BlockMaster Electronics

www.BLOCKMASTER.com

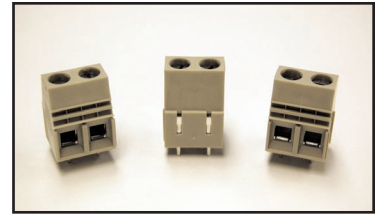
JB-OTB-358

Multi-Colored Terminal
Block
600V / 60A



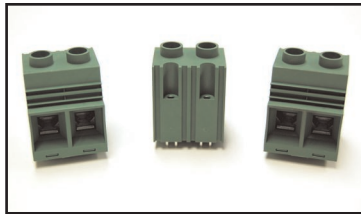
MH-120-016M4

Modular, Printed-Circuit
Terminal Block
300V / 65A



MH-130-1505

Modular, Printed-Circuit
Terminal Block
600V / 125A



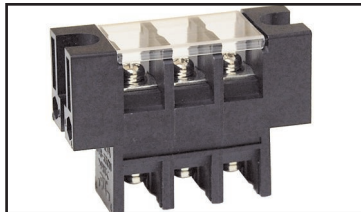
OGM-300N

Thru-Panel Terminal
Block
300V / 25A



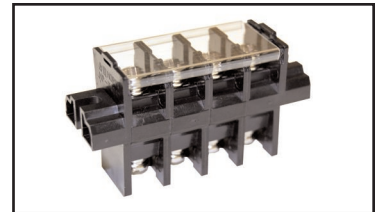
OTB-330N

Thru-Panel Terminal
Block
600V / 30A



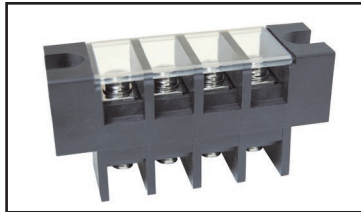
OTB-351

Thru-Panel Terminal
Block
300V / 20A



OTB-358

Modular, Thru-Panel
Terminal Block
600V / 60A



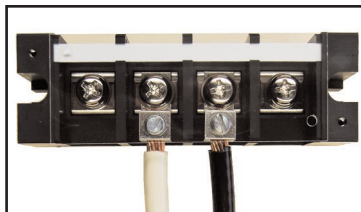
OTB-388

Thru-Panel Terminal
Block
600V / 100A



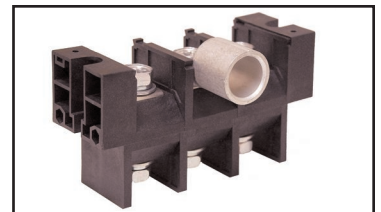
OTB-488

Thru-Panel Terminal
Block
600V / 100A



OTB-588

Thru-Panel Terminal
Block
600V / 250A



OTB-1500

PCB Terminal Block
600V / 100A



OTP-80

Panel-Distribution
Terminal Block
600V / 80A





Type:
Color-Coded Thru-Panel

Thru-Panel, Barrier Construction
Plastic, Finger-Safe Cover
Color-Coded Terminal Positions

Suitable for:
Motor/Industrial/Pump Controls
Electrical Switch Gear
Off-Highway Vehicles

Rated Voltage:
600V

Rated Current:
60A

Wire Size:
3-10AWG CU

Operating Temperature:
-40C to +90C

Housing:
Polycarbonate (UL94V-0)

Cover:
Polycarbonate (UL94V-0), Clear

Terminal:
Brass, Nickel-Plated

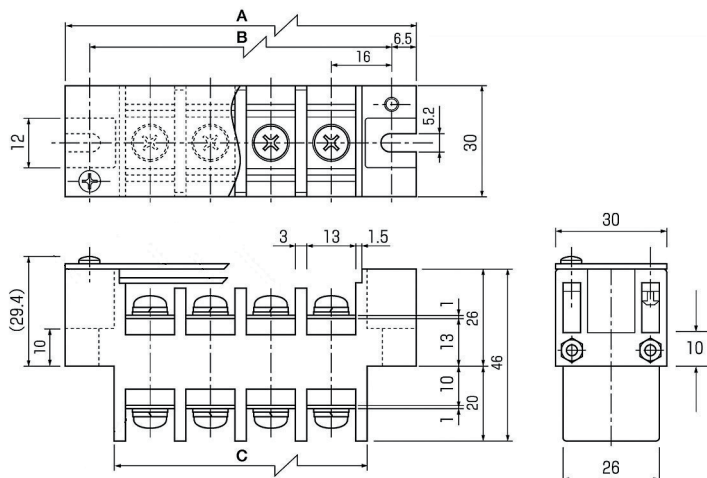
Positions Available:
1-15

Screw Size:
M5x12L, Steel, Nickel-Plated

Withstanding Voltage:
AC2500V

Torque:
2 lbs. per inch

Typical application: color-coded wire



Red White Green Blue Gray Yellow Black

BlockMaster can help you solve the age-old problem of incorrect field wiring. This product can have a different color for each position, helping to eliminate installation mistakes. The installer simply matches the wire color to the terminal block position color.

HOW TO ORDER:

		P
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Poles 1-15



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Brand New! Unique Product Development!

Modular Printed-Circuit High-Power Block

10.16mm

300 Volts / 65 Amps

PART#:

MH120-016M4

Type:

Modular Printed Circuit High-Power Terminal Block

Features:

High-Power, Modular Design

Applications:

Suitable for:
Power Supplies
Back Planes
Industrial Controls
HVAC Controls
Motor Controls

Electrical

Rated Voltage:

300V

Rated Current:

65A

Wire Size:

6-26 AWG
Solid or Stranded

Operating Temperature:

-40C to +105C

Materials

Housing:

Polyamide 66 (UL94V-0)
Standard Color: Green

Terminal:

Copper, Tin-Plated

Positions Available:

2 to 3 Single
Up to 24 Modular

Screw Size:

M4.0, Steel, Zinc-Plated

Cage Clamp:

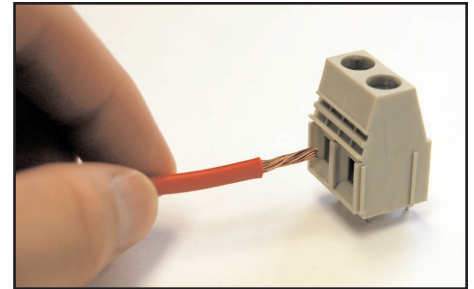
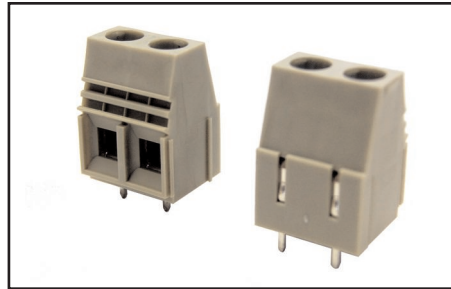
Steel, Zinc-Plated

Torque:

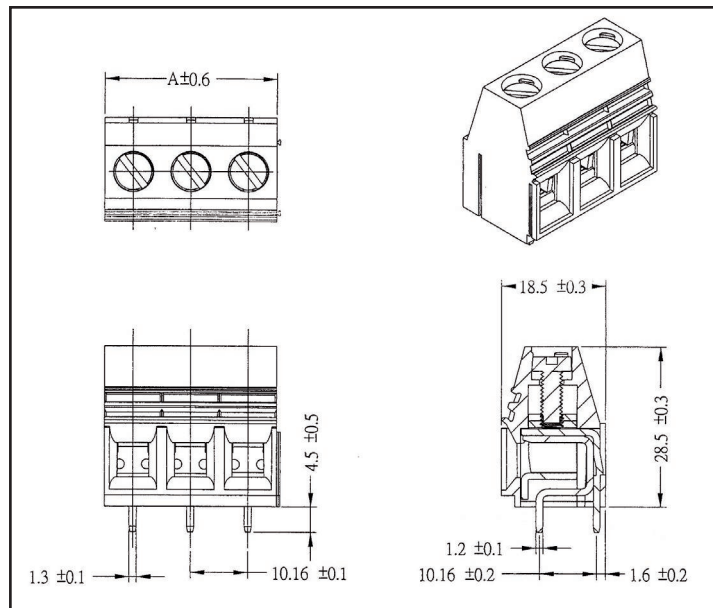
20.5 lbs. per inch

PCB Hole Diameter:

1.6 mm



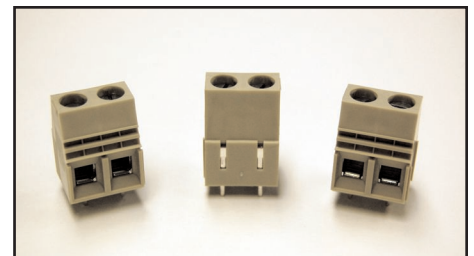
(10AWG Wire Shown)



BlockMaster Electronics' new MH Series are modular, high-power terminal blocks available in 2-6 positions as modules.

These modules can be assembled in combinations to accommodate up to 24 positions. Connect up to 65A to your PC board!

If your application requires the connection of large gauge wires to PC boards, BlockMaster's MH series are the blocks for you.



HOW TO ORDER:

MH120-016M4□□
□□ : Poles
016 : Pitch 10.16mm
120 : STANDARD
MH : Type



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Brand New! Unique Product Development!

Modular Printed-Circuit High-Power Block

15mm

600 Volts / 125 Amps

PART#:

MH130-1505

Type:

Modular Printed Circuit High-Power Terminal Block

Features:

High-Power, Side-Stackable Design

Applications:

Suitable for:
Power Supplies
Back Planes
Industrial Controls
HVAC Controls
Motor Controls

Electrical

Rated Voltage:

600V UL

Rated Current:

125A

Wire Size:

2-20AWG
Stranded

Operating Temperature:

-40C to +105C

Materials

Housing:

Polyamide 66 (UL94V-0)
Standard Color: Green

Terminal:

Copper, Tin-Plated

Positions Available:

2 to 8 Single
2 to 24 Side-Stackable

Screw Size:

M5.0, Steel, Zinc-Plated

Cage Clamp:

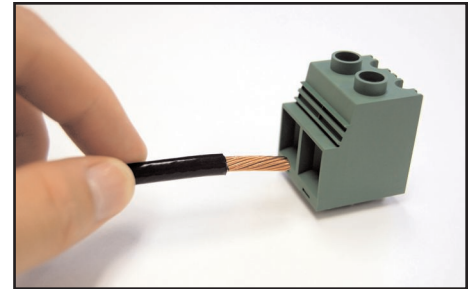
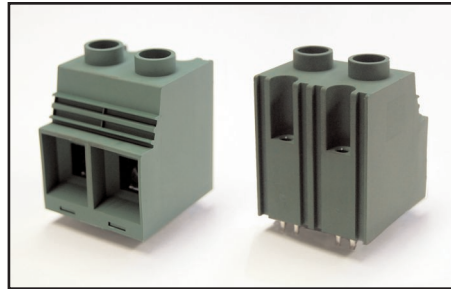
Steel, Zinc-Plated

Torque:

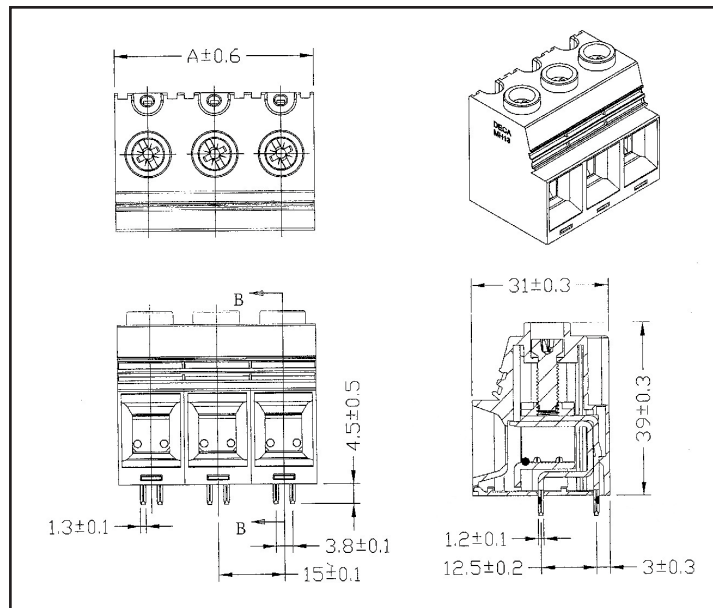
30 lbs. per inch

PCB Hole Diameter:

1.6 mm



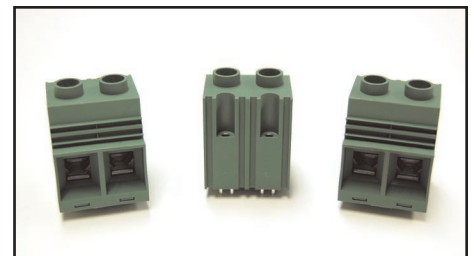
(2AWG Wire Shown)



BlockMaster Electronics' new MH Series are modular, high-power terminal blocks available in 2-8 positions as singles.

These modules can be side-stacked in combinations to accommodate up to 24 positions. Connect up to 125A to your PC board!

If your application requires the connection of large-gauge wires to PC boards, BlockMaster's MH series are the blocks for you.



HOW TO ORDER:

MH 130 1505 
:Poles
1505: Pitch 15.0 mm
130 : STANDARD
MH : Type



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Brand New! Unique Product Development!

Medium-Power Thru-Panel Terminal Block

Pitch: 11mm

300 Volts / 25 Amps

PART#:

OGM-300NE

Type:

Medium-Power Thru-Panel

Features:

Thru-Panel Barrier Construction

Applications:

Suitable for:

Motor Controls
Electric Heaters
Industrial Controls
Pumps
Power Supplies
Lighting

Electrical

Rated Voltage:

300V

Rated Current:

25A

Wire Size:

14-22 AWG

Operating Temperature:

-40C to +90C

Materials

Housing:

Polycarbonate (UL94V-0)
Standard Color: Black

Cover:

Polycarbonate (UL94V-0), Clear

Terminal:

Brass, Nickel-Plated

Positions Available:

2-23

Screw Size:

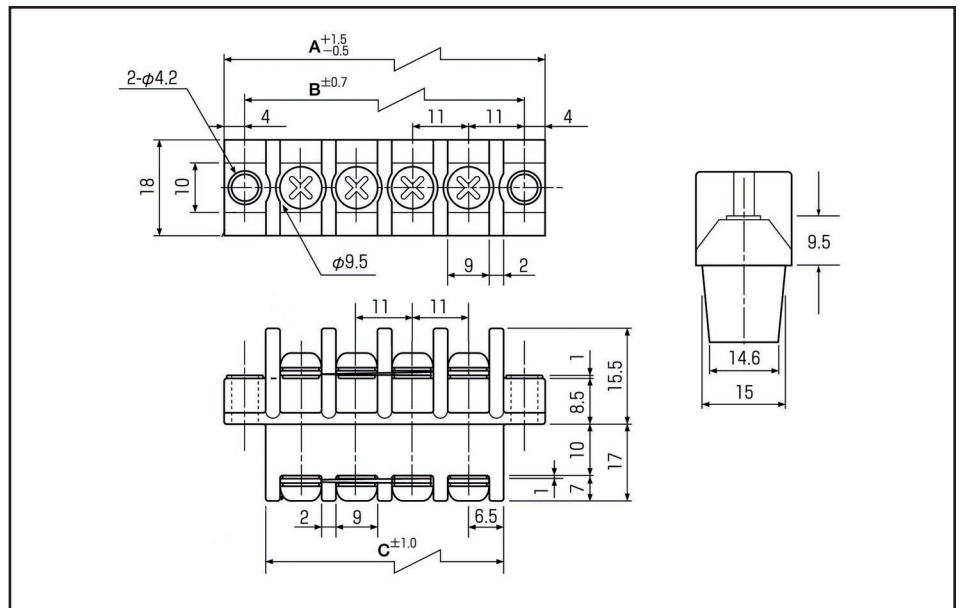
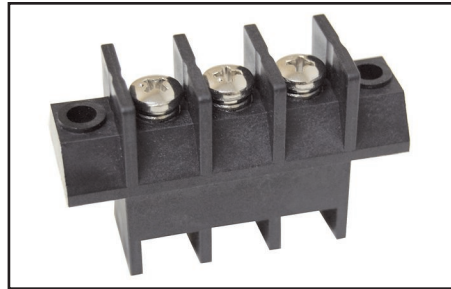
M4, Brass, Nickel-Plated

Withstanding Voltage:

AC2000V

Torque:

1.2 lbs. per inch



BlockMaster Electronics' new OGM-300NE Series are medium-power, thru-panel terminal blocks available in 2-23 positions.

BlockMaster's OGM-300NE series are perfect for interfacing internally wired products to the outside world. Each terminal has a screw with lockwasher for convenient field wiring. Suitable for motor controls, electric heaters, industrial controls or any medium-power field wiring to control box application.



HOW TO ORDER:

OGM-300NE **P**

Poles
2-23



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World Class Terminal Blocks

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Brand New! Unique Product Development!

Medium-Power Thru-Panel Terminal Block

Pitch: 13mm

600 Volts / 30 Amps

PART#:

OTB-330N

Type:

Medium-Power Thru-Panel

Features:

SEMS Screws

Plastic Finger-Safe Cover Included

Applications:

Suitable for:

Power Supplies

Industrial Controls

Motor Drives

Variable-Speed Controls

All Thru-Panel, Medium-Power

Current Applications

Electrical

Rated Voltage:

600V

Rated Current:

30A

Wire Size:

12-22 AWG CU

Operating Temperature:

-40C to +90C

Materials

Housing:

Polycarbonate (UL94V-0)

Standard Color: Black

Cover:

Polycarbonate (UL94V-0), Clear

Terminal:

Brass, Nickel Plated

Positions Available:

2-15

Screw Size:

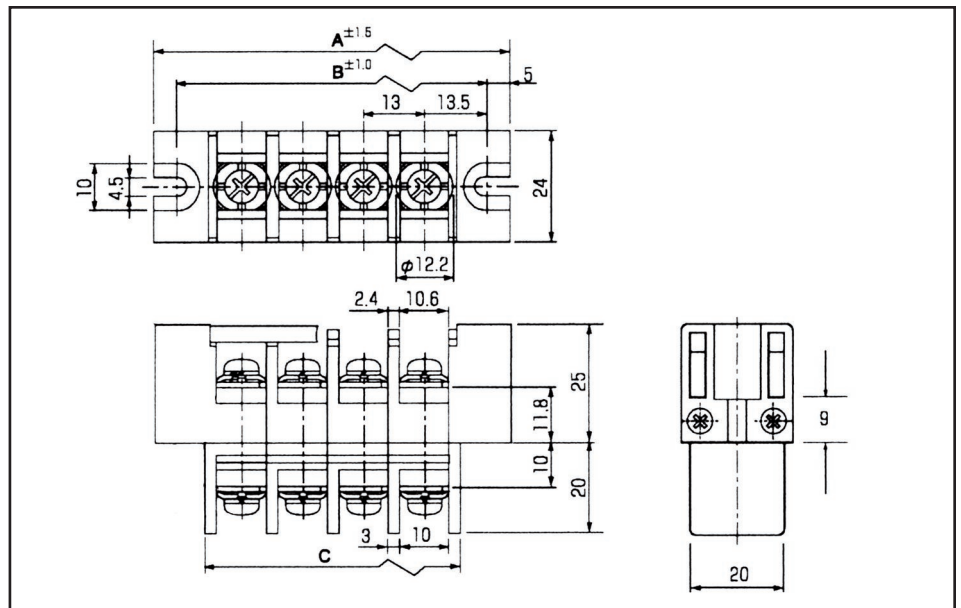
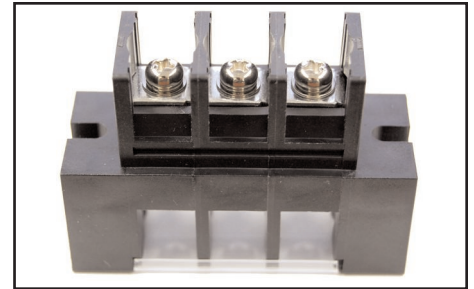
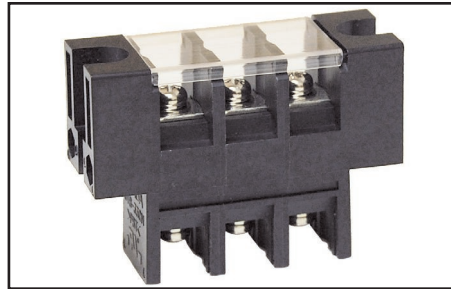
M4, Steel, Nickel-Plated

Withstanding Voltage:

AC2500V

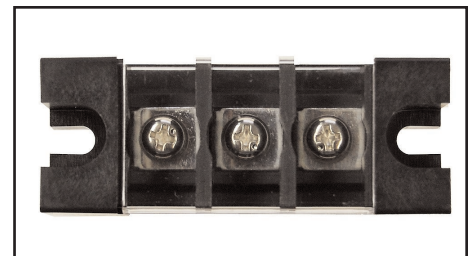
Torque:

12.4 lbs. per inch



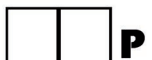
BlockMaster Electronics' new OTB-330N Series are medium-power, thru-panel terminal blocks available in 2-15 positions.

BlockMaster's OTB-330N series are perfect for interfacing internally wired products to the outside world. They offer a clear, protective cover to reduce shock hazard, and each terminal has a screw with lockwasher for convenient field wiring. Suitable for industrial controls, spa controls or any medium-power field wiring to control box application.



HOW TO ORDER:

OTB-330N



Poles
2-15



4/09/08

World Class Terminal Blocks

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Brand New! Unique Product Development!

Modular Thru-Panel Medium-Power Block

Pitch: 8.5mm

300 Volts / 20 Amps

PART#:
OTB-351

Type:
Medium-Power Thru-Panel

Features:
SEMS Screws
Plastic, Finger-Safe Cover Included

Applications:
Suitable for:
Power Supplies
Servo & Variable Frequency
Motor Drives
Lighting
Industrial Controls
Electric Heating

Electrical

Rated Voltage:
300V

Rated Current:
20A

Wire Size:
12-22 AWG

Operating Temperature:
-30C to +80C

Materials

Housing:
Polycarbonate (UL94V-0)
Standard Color: Black

Cover:
Polycarbonate (UL94V-0), Clear

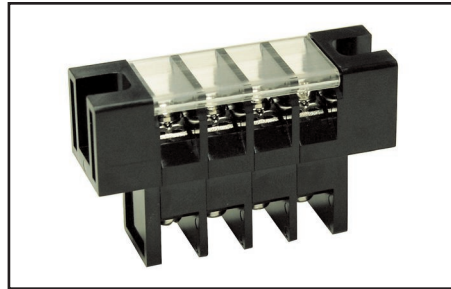
Terminal:
Brass, Nickel-Plated

Positions Available:
2-15

Screw Size:
M3.0 and M3.5, Steel, Nickel-Plated

Withstanding Voltage:
AC2000V

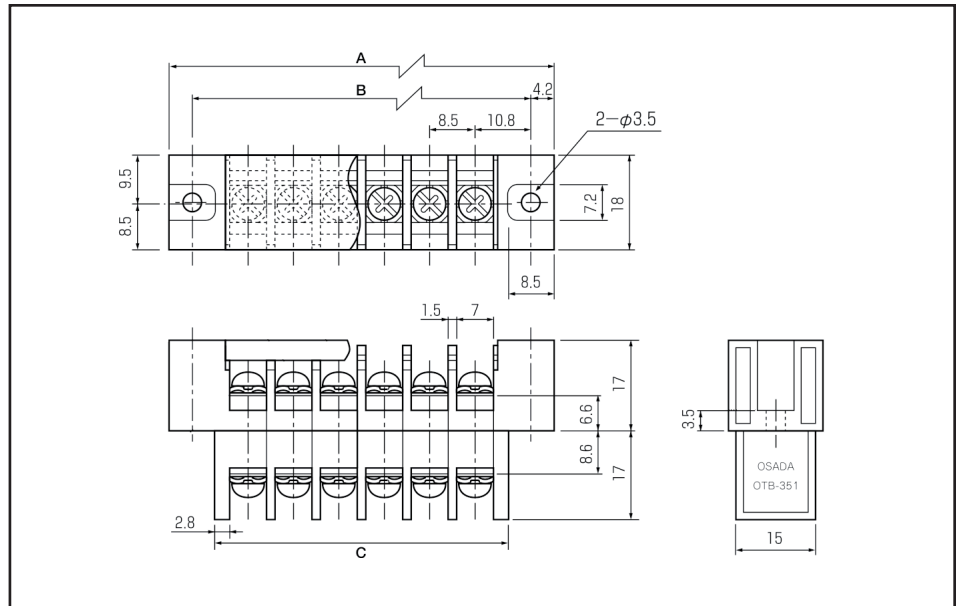
Torque:
8.85 lbs. per inch



OTB-351 with clear cover installed

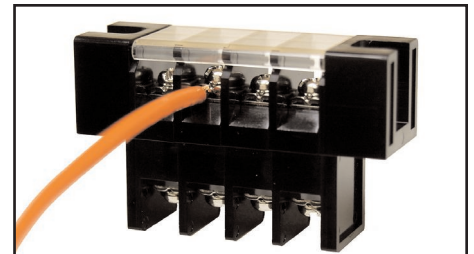


(Typical Application)



BlockMaster Electronics' new OTB-351 Series are medium-power, thru-panel terminal blocks available in 2-15 positions.

BlockMaster's OTB-351 series are perfect for interfacing internally wired products to the outside world. They offer a clear, protective cover to reduce shock hazard, and each terminal has a SEMS screw for convenient field wiring as shown. Suitable for industrial controls, spa controls or any medium-power field wiring to control box application.



HOW TO ORDER:

OTB-351 ☐ **P**
↓
Poles 2-15



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Brand New! Unique Product Development!

Modular Thru-Panel Medium-Power Block

Pitch: 16mm

600 Volts / 60 Amps

PART#:
OTB-358

Type:
Medium-Power Thru-Panel

Features:
Thru-Panel, Barrier Construction
Plastic, Finger-Safe Cover Included

Applications:
Suitable for:
Motor Controls
Industrial Controls
Pump Controls
Electrical Switch Gear
Off-Highway Vehicles

Electrical
Rated Voltage:
600V

Rated Current:
60A

Wire Size:
3-10AWG CU

Operating Temperature:
-40C to +90C

Materials
Housing:
Polycarbonate (UL94V-0)
Standard Color: Black
Cover:
Polycarbonate (UL94V-0), Clear

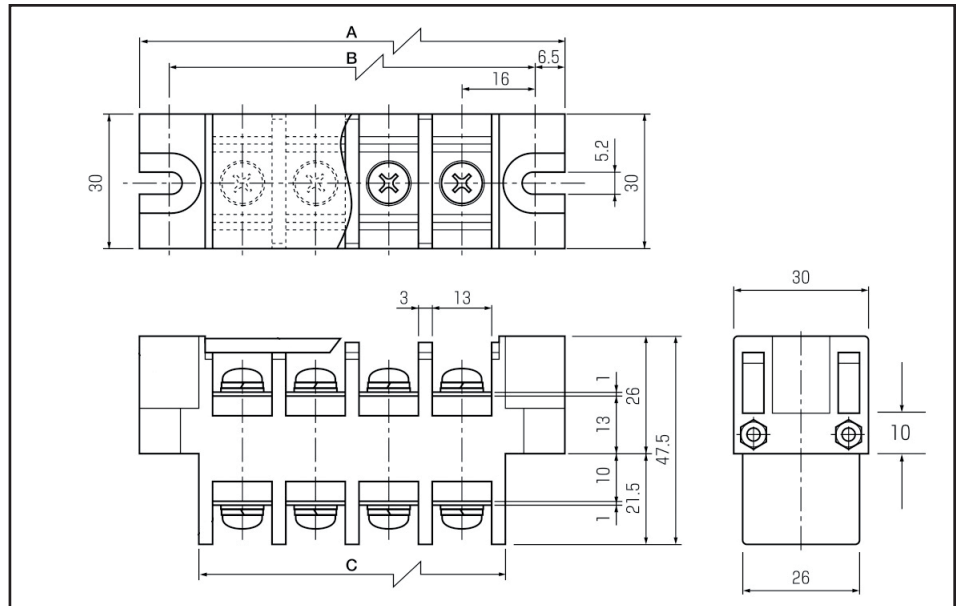
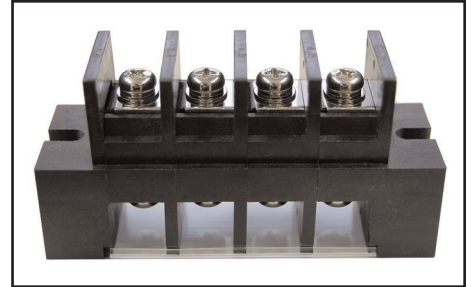
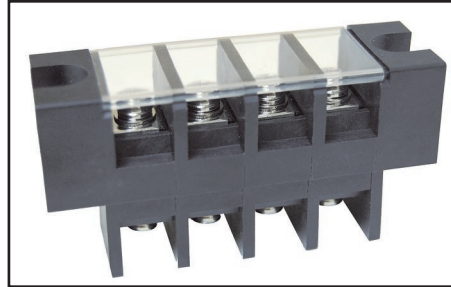
Terminal:
Brass, Nickel-Plated

Positions Available:
2-15

Screw Size:
M5x12L, Steel, Nickel-Plated

Withstanding Voltage:
AC2500V

Torque:
18 lbs. per inch



BlockMaster Electronics' new OTB-358 Series are medium-power, thru-panel terminal blocks available in 2-15 positions.

BlockMaster's OTB-358 series are perfect for interfacing internally wired products to the outside world. They offer a clear, protective cover to reduce shock hazard, and each terminal has a screw with lockwasher for convenient field wiring. These blocks are suitable for industrial controls, spa controls or any medium-power field wiring to control box application.



HOW TO ORDER:

OTB-358



**Poles
2-15**



World Class Terminal Blocks

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www.BlockMaster.com

600 Volts / 100 Amps

www.BlockMaster.com

Brand New! Unique Product Development!

Medium-Power Thru-Panel Terminal Block

Pitch: 27mm

600 Volts / 100 Amps

PART#:
OTB-488

Type:
High-Power Thru-Panel

Features:
Thru-Panel, Barrier Construction
Plastic, Finger-Safe Cover
Marker Strip Included

Applications:
Suitable for:
Electrical Switch Gear
Motor Controls
Motor/Gen Sets
Electric Heating
Spa Controls
Custom Control Panels

Electrical
Rated Voltage:
600V

Rated Current:
100A

Wire Size:
3-10 AWG

Operating Temperature:
-40C to +90C

Materials
Housing:
Polycarbonate (UL94V-0)
Standard Color: Black
Cover:
Polycarbonate (UL94V-0), Clear

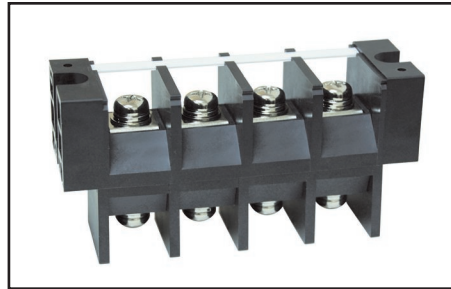
Terminal:
Brass, Nickel-Plated

Positions Available:
2-15

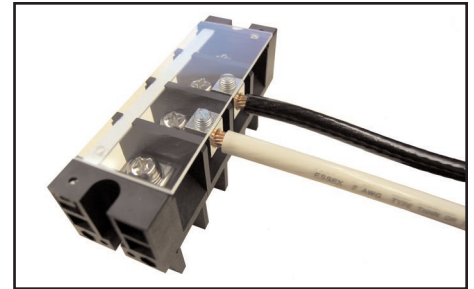
Screw Size:
M6, Brass, Nickel-Plated

Withstanding Voltage:
AC2500V

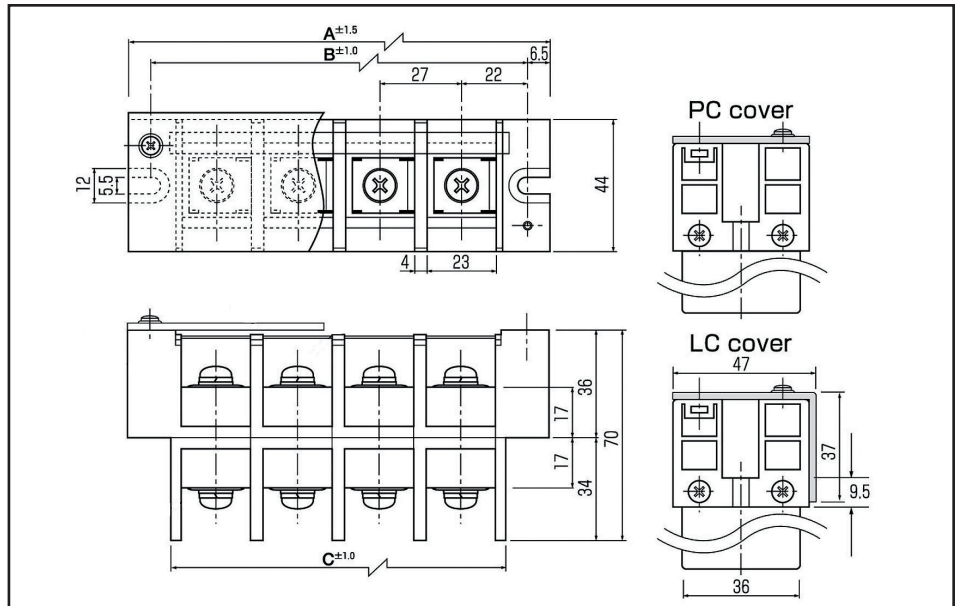
Torque:
22 lbs. per inch



OTB-488 with marker strip installed

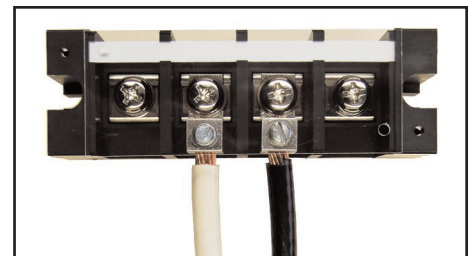


(Typical Application)



BlockMaster Electronics' new OTB-488 Series are medium-power, thru-panel terminal blocks available in 2-15 positions.

BlockMaster's OTB-488 series are perfect for interfacing internally wired products to the outside world. They offer a clear, protective cover to reduce shock hazard, and each terminal has a SEMS screw for convenient field wiring as shown. Suitable for industrial controls, spa controls or any medium-power field wiring to control box application.



HOW TO ORDER:

OTB-488 **P**
↓
Poles



World Class Terminal Blocks

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www.BlockMaster.com

Brand New! Unique Product Development!

High-Power Thru-Panel Terminal Block

Pitch: 35mm

600 Volts / 250 Amps

PART#:
OTB-588

Type:
High-Power Thru-Panel

Features:
Thru-Panel Barrier Construction
Optional Clear Plastic Cover

Applications:
Suitable for:
Electrical Switch Gear
Off Highway Vehicles

Electrical
Rated Voltage:
600V

Rated Current:
250A

Wire Size:
4/0 Stranded CU

Operating Temperature:
-40C to +90C

Materials
Housing:
Polycarbonate (UL94V-0)
Standard Color: Black

Cover:
Polycarbonate (UL94V-0)

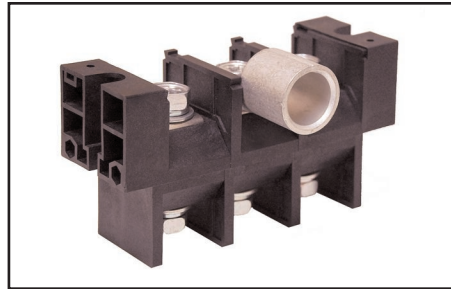
Terminal:
Copper, Nickel-Plated

Positions Available:
1-12

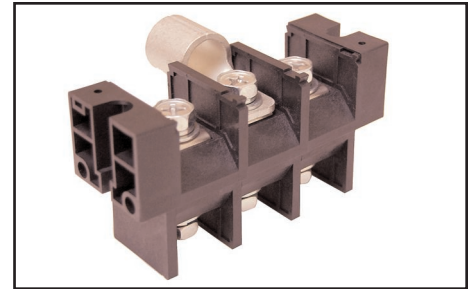
Bolt Size:
M10, Steel

Withstanding Voltage:
AC2500V

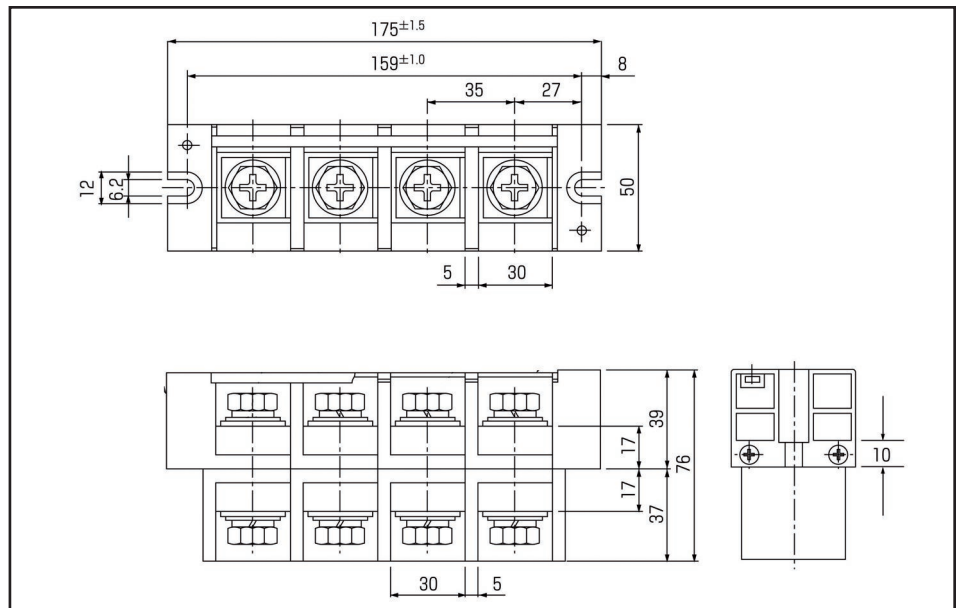
Torque:
30 lbs. per inch



OTB-588



Typical Application



BlockMaster Electronics' new OTB-588 Series are high-power, thru-panel terminal blocks available in 1-12 positions.

BlockMaster's OTB-588 series are perfect for interfacing internally wired products to the outside world. They offer a clear, protective cover to reduce shock hazard, and each terminal has a hex head screw with lock washer for convenient field wiring. Suitable for industrial controls, electrical switch gear or any high-power application.



HOW TO ORDER:

OTB-588



**Poles
2-10**



World Class Terminal Blocks

4/09/08

1400 Howard Street Phone: (847) 956-1680
Elk Grove Village, IL 60007 Fax: (847) 956-1690

www.BlockMaster.com

Brand New! Unique Product Development!

PCB Terminal Block

600 Volts / 100 Amps

PART#:
OTB-1500

Type:
PCB Terminal Block

Features:
Barrier Construction
UL Recognized
Optional Cover Available
With or Without Mounting Ears

Applications:
Suitable for:
Power Supplies
Back Planes
Motor Controls
Industrial Controls

Electrical
Rated Voltage:
600V

Rated Current:
100A

Wire Size:
1-3 AWG

Operating Temperature:
-40F to +90C

Materials
Housing:
Polycarbonate (UL94V-0)
Standard Color: Black

Cover:
Polycarbonate (UL94V-0)

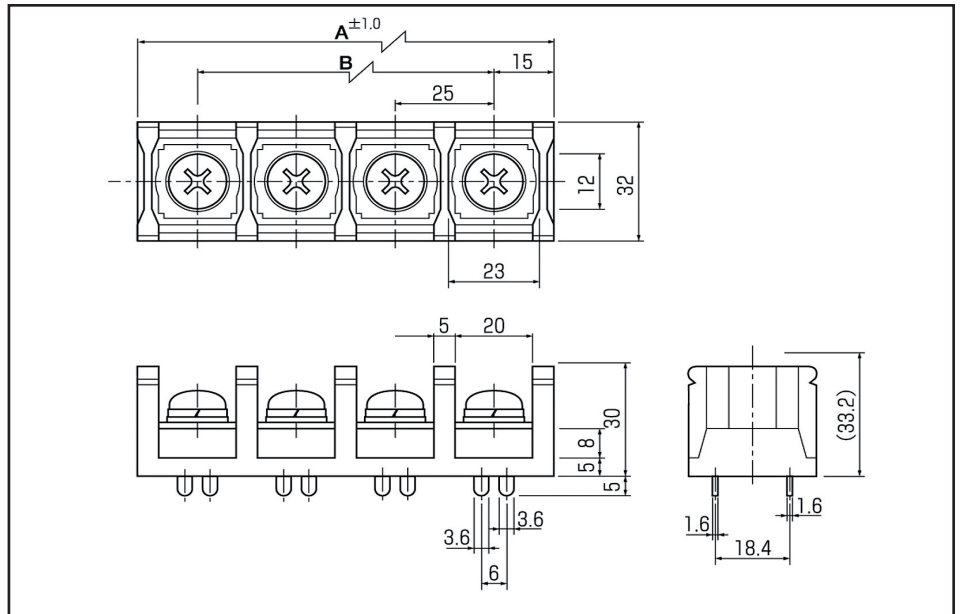
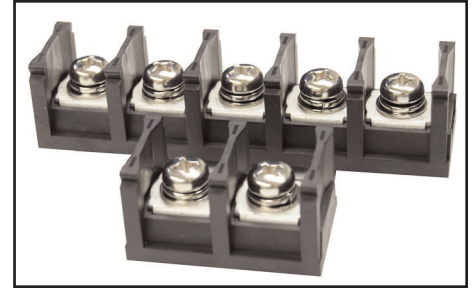
Terminal:
Brass, Tin, Nickel or Gold Plated

Screw Size:
M5 Steel, Nickel-Plated

Withstanding Voltage:
AC2500V

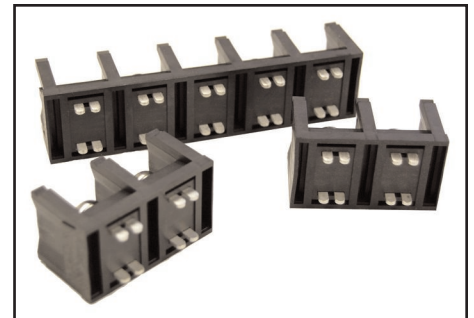
Torque:
53.1 lbs. per inch

Insulation Resistance:
DC500V



BlockMaster Electronics' new OTB-1500 series is a high-power PC board, barrier-style terminal block. This block allows you to terminate up to 100 AMPS per position. It has very heavy-duty PC terminals.

An optional cover is available for finger-safe applications. If your application requires the connection of large-gauge wire to PC boards, BlockMaster's OTB-1500 are the blocks for you.



HOW TO ORDER:

OTB-1500



Poles
2-8



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Brand New! Unique Product Development!

Panel-Distribution Power Block

600 Volts / 80 Amps

PART#:
OTP-80

Type:
Panel-Distribution Power Block

Features:
Marker Strip
Clear Plastic Safety Cover

Applications:
Suitable for:
Panels
HVAC Equipment
Pump Control Panels
Switch Gear
Lighting Panels

Electrical
Rated Voltage:
600V

Rated Current:
80A
Line Side: 80
Load All Circuits: 80

Wire Size:
Line: 4-10AWG
Load: 6-16AWG

Operating Temperature:
-40C to +90C

Materials
Housing:
Polycarbonate (UL94V-0)
Standard Color: Black

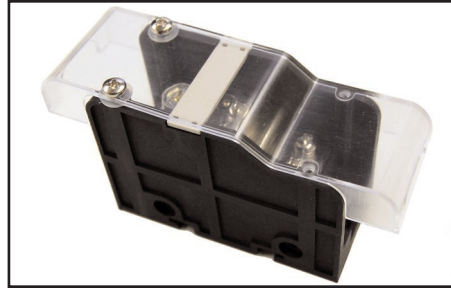
Cover:
Polycarbonate (UL94V-0)

Terminal:
Brass, Nickel-Plated

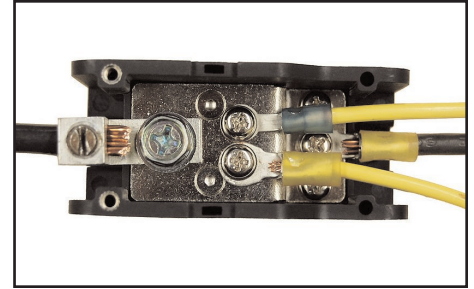
Screw Size:
Line Side: M8
Load Side: M5

Withstanding Voltage:
AC2500V

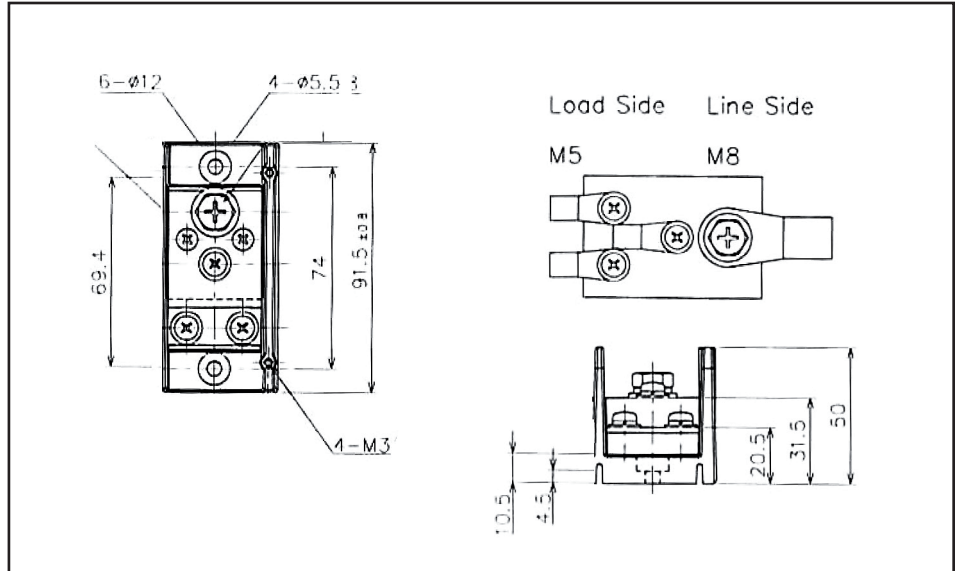
Torque:
Line Side: 41.6 lbs.
Load Side: 17.7 lbs.



OTP-80 with clear cover and marking strip installed



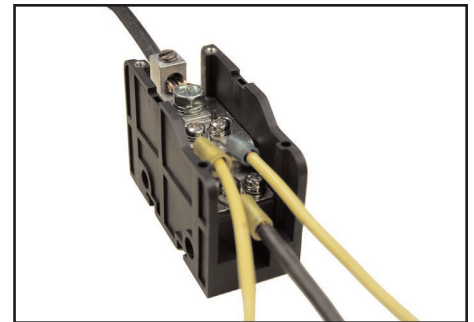
Typical Application: #6AWG Main to #12AWG & #10AWG Branch Circuits



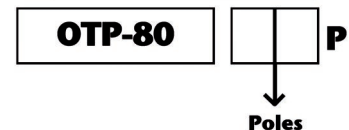
Presenting BlockMaster Electronics' new OTP-80 series panel-distribution power blocks.

The OTP-80 provides a convenient means of transitioning larger gauge, high-power mains to smaller gauge, lower-power branch circuits.

BlockMaster's OTP-80 series offers a convenient way to interface between your supply and larger gauge wire (#2-6 for example) and internally distribute smaller gauge wire (#12-18 for example). Perfect for panels and HVAC equipment.



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Since 1994, BlockMaster Electronics has been committed to offering a variety of high-quality terminal block and barrier strip solutions. Our terminal blocks, manufactured internationally and domestically, are designed to meet and surpass agency approvals from around the world.

Many of our products conform to and surpass the standards of UL, CUL, VDE, CE and other international approvals. Your products will benefit from the quality that goes into our blocks. Our worldwide manufacturing allows for the continual introduction of new products, and our extensive inventory serves to keep your orders shipping on time.



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Elk Grove Village, IL 60007
(800) 595-8881
www.BLOCKMASTER.com**