HA521/HA522 Series

10A 250V

BM390 Series

5_{mm}

Specifications *HA521/522 Series*

Features:

*Easy to use lever for locking and release of wire

*Single mold to 16 positions

*Green with white lever

*2 lever styles to choose from

*Lever saves time during installation

Electrical

Current: 10A @ 250V Wire range: 18 to 22 AWG Pin dimension: 1.15mm x 0.65mm Withstanding voltage:<AC 200V/minΩ >500MΩ (500V DC) Operating temp: -30°C to +85°C

Stripping length: 10mm PCB holes: min 1.3mm PCB thickness: max 2.4mm

Materials

Thermoplastic (UL94V-0) Housina: Terminal: Brass, Tin plated Thermoplastic (UL94V-0) Lever: Colors available: Green w/ white lever

Specifications **BM390 Series**

Features:

*Screwless button release block

*Funnel shaped wire entry

*Gray color with yellow button

*2 and 3 positions modular

*Up to 16 positions per row

Electrical

Current: 8A @ 250V Wire range: 18 to 22 Str 16 to 22 Sol Wire range: Pin dimension: 0.8mm x 0.4mm Withstanding voltage:<AC 1500V/min

Dielectric strength: 2500V Tracking resistance: 5MΩ

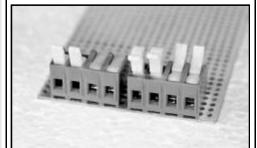
Operating temp: -30°C to +120°C

Stripping length: 7mm min 1.3mm PCB holes: PCB thickness: max 3.4mm

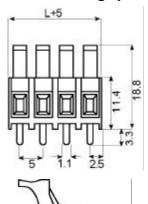
Materials

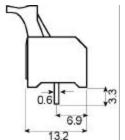
PBT(30% glass fill) UL94V-0 Housing:

Contact spring: Stainless strip steel Terminal: Brass, Tin plated Gray w/ yellow button Colors available:

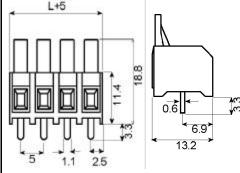


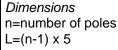
HA521 "Thumb-grip lever"

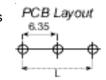




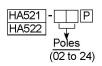
HA522 "Flat lever"







Ordering Information

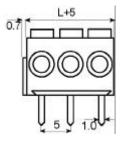


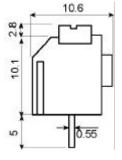
8A 250V

5mm





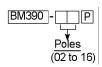






Dimensions n=number of poles $L=(n-1) \times 5$

Ordering Information



BlockMaster Electronics, Inc.

(800)595-8881 www.blockmaster.com

351 Series

361 Ballast Block

Specifications 351 Series

Features:

*Popular 5mm spacing

*Vertical wire entry

*Lever on same plane as wire entry

*Fast and efficient wiring process

*1 position modular blocks *2 pins per pole for stability

*Lever can be worked by fingers

*No exposed metal parts

Electrical

10A @ 250V Current: 14 to 22 AWG Wire range: Pin dimension: 0.5mm x 0.9mm Withstanding voltage:<AC 2000V/min >500MΩ (500V DC) Operating temp: -40°C to +105°C

Stripping length: 8mm PCB holes: min 1 1mm PCB thickness: max 2.4mm

Materials

Housing/lever: Polyester(glass filled) UL94V-0

Spring clamp: Stainless steel

Brass(Cu, Zn), Tin plated Terminal: Color: Green, (orange lever)

Marking

Marking not available.

Specifications 361 Series

Features:

*Specialized block for ballast and transformer applications

*White color

*Poke-home wire termination

*3,6,8 and 10 positions available single mold

*Wire entry on top of block

*Stabilizer pegs standard

*For use with solid wire

Electrical

Current: 10A @ 300V 14 to 22 AWG Wire range: Pin dimension: 1.02mm x 0.5mm

CR: <20m Ω

>1000MΩ (500V DC) IR: +10°C to +70°C

Operating temp: Stripping length: 8mm min 1.3mm PCB holes: PCB thickness: max 2.4mm

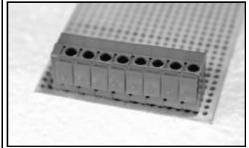
Materials

Housing/lever: Polyester(glass filled) UL94V-0 Spring contact: Phosphor bronze(Cu,Ni) tin

Terminal: Phosphor bronze(Cu,Ni) tin

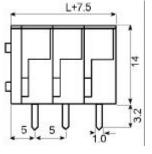
plated

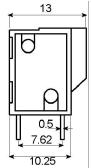
Color: White 10A 250V

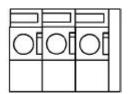


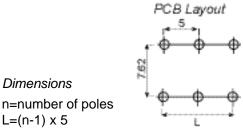


351 Vertical

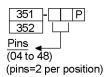








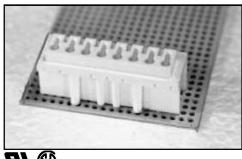
Ordering Information



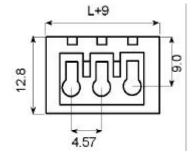
10A 300V

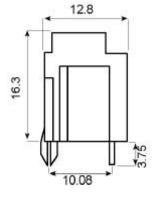
5mm

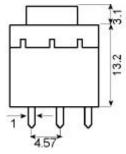
4.57mm





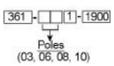






Dimensions n=number of poles $L=(n-1) \times 4.57$

Ordering Information



BlockMaster Electronics, Inc.

(800)595-8881 www.blockmaster.com

675 -1 Series

675-3 Series

3.81mm

Specifications 675-1 Series

Features:

- *Compact 3.81mm spacing
- *Available in several colors for coding positions to wire colors
- *1 position modular blocks
- *2 pins per pole for stability
- *No exposed metal parts

Electrical

Current: 10A @ 300V
Wire range: 14 to 20 Sol
Wire range: 16 to 20 Str
Wire section(mm²): 0.5 to 1.5mm²
Pin dimension: 0.8mm x 0.5mm
Dielectric strength: 4kV
IR: >5MO (500V DO

IR: $>5M\Omega$ (500V DC) Operating temp: -40°C to $+105^{\circ}\text{C}$

Stripping length: 9mm
PCB holes: min 1.1mm
PCB thickness: max 2.4mm

Materials

Housing/button: Polyamide 6,6 (UL94V-0)

Contact spring: Stainless steel

Terminal pins: Brass, silver and tin plated Colors available: Gray (standard), for others see

how to order

Specifications 675-3 Series

Features:

- *Standard 5mm spacing
- *Available in several colors for coding positions to wire colors
- *Available with or without push button
- *1 position modular blocks
- *2 pins per pole for stability
- *No exposed metal parts

Electrical

 Current:
 10A @ 300V

 Wire range:
 14 to 20 Sol

 Wire range:
 16 to 20 Str

 Wire section(mm²):
 0.5 to 1.5mm²

 Pin dimension:
 0.8mm x 0.5mm

Dielectric strength: 4kV

IR: $>5M \Omega$ (500V DC) Operating temp: -40° C to $+105^{\circ}$ C

Stripping length: 9mm
PCB holes: min 1.1mm
PCB thickness: max 2.4mm

Materials

Housing/button: Polyamide 6,6 (UL94V-0)

Contact spring: Stainless steel

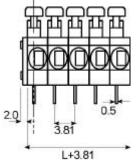
Terminal pins: Brass, silver and tin plated Colors available: Gray (standard), for others see

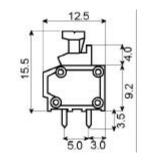
how to order

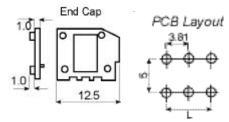
10A 300V





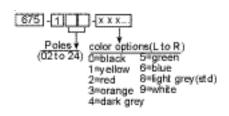




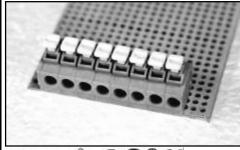


Dimensions n=number of poles L=(n-1) x 3.81

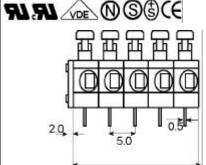
Ordering Information

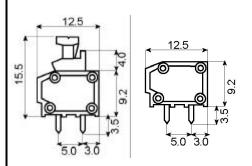


10A 300V

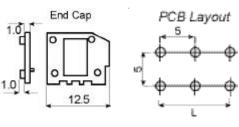


5_mm



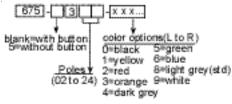


L+5



Dimensions n=number of poles L=(n-1) x 5

Ordering Information



Also available in 7.5mm and 10mm centers.

33

(800)595-8881 www.blockmaster.com

625 45° Series

675 Dual Wire Series

Specifications 625 Series

Features:

- *Single mold block
- *2 pins per pole for stability
- *Angled wire entry for easy access
- *2 to 7 poles single mold/ Side stackable
- *Push button lever

Electrical

Current: 12A @ 300V
Wire range: 16 to 22 Sol
Wire range: 16 to 20 Str
Wire section(mm²): 0.3 to 1.5mm²
Pin dimension: 0.95mm x 0.5mm
Operating temp: -40°C to +105°C
Stripping length: 10mm
PCB holes: min 1.3mm

Materials

PCB thickness:

Housing: Polyamide 6,6 Contact spring: Stainless steel

Terminal pins: Brass, silver and tin plated Colors available: Green (orange lever)

max 2.2mm

Specifications 675 Dual Series

Features:

- *Accepts 2 wires per position (common)
- *Available in several colors for coding positions to wire colors
- *Available with or without push button
- *1 position modular blocks
- *2 pins per pole for stability

Electrical

Current: 10A @ 300V
Wire range: 18 to 24 Sol
Wire range: 18 to 20 Str
Wire section(mm²): 2 x 0.25 to 0.75mm²
Pin dimension: 0.8mm x 0.5mm

Dielectric strength: 4kV

IR: $>5M\Omega$ (500V DC) Operating temp: -40° C to $+105^{\circ}$ C

Stripping length: 9mm
PCB holes: min 1.1mm
PCB thickness: max 2.4mm

Materials

Housing/button: Polyamide 6,6 (UL94V-0)

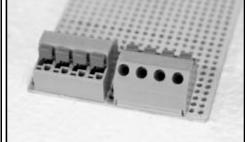
Contact spring: Stainless steel

Terminal pins: Brass, silver and tin plated Colors available: Gray (standard), for others see

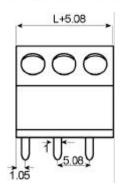
how to order

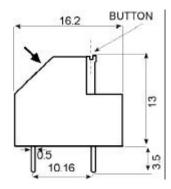
12A 300V













Dimensions n=number of poles L=(n-1) x 5.08

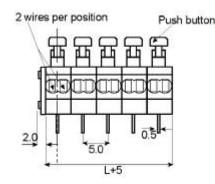
Ordering Information

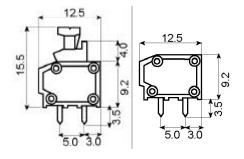


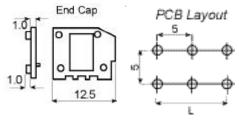
10A 300V



5_{mm}

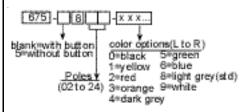






Dimensions n=number of poles L=(n-1) x 5

Ordering Information



Also available in 7.5mm and 10mm centers.

USL-5VB1 Series

USL-5HB2 Series

Specifications *USL-5VB1 Series*

Features:

- *PATENTED wire spring design
- *Same side button and wire entry
- *Wire entry perpendicular to PCB
- *Available in several colors for coding positions to wire colors
- *1 position modular blocks
- *1 pin per pole
- *No exposed metal parts
- *Test points
- *Funnel shaped wire entry

Electrical

Current: 7A @ 300V Wire range: 16 to 34 AWG Pin dimension: 0.95mm x 0.65mm Withstanding voltage:<AC 2500V/min IR: >500M Ω (500V DC) Operating temp: -40°C to +100°C

Stripping length: 5mm
PCB holes: min 1.2mm
PCB thickness: max 2.4mm

Materials

Housing: Nylon 6,6 (UL94V-0)
Contact plate: Stainless steel (SUS304)
Spring: Stainless steel (SUS304)
Terminal: Brass, Tin plated

Colors available: Gray (standard), for others

consult factory

Markina

Marking tabs available. Consult factory.

Specifications USL-5HB2 Series

Features:

- *PATENTED wire spring design
- *Same side button and wire entry, parallel to PCB
- *Available in several colors for coding positions to wire colors
- *1 position modular blocks
- *2 pins per pole
- *No exposed metal parts
- *Test points
- *Funnel shaped wire entry

Electrical

Current: 7A @ 300V Wire range: 16 to 34 AWG Pin dimension: 0.95mm x 0.65mm Withstanding voltage:<AC 2500V/min IR: $>500M\Omega$ (500V DC) Operating temp: -40°C to $+100^{\circ}\text{C}$

Stripping length: 5mm
PCB holes: min 1.2mm
PCB thickness: max 2.4mm

Materials

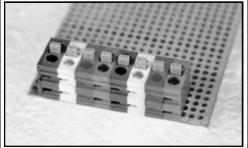
Housing: Nylon 6,6 (UL94V-0)
Contact plate: Stainless steel (SUS304)
Spring: Stainless steel (SUS304)
Terminal: Brass, Tin plated
Colors available: Gray (standard), for others

consult factory

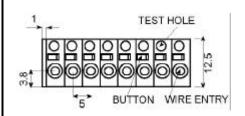
Marking

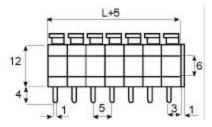
Marking tabs available. Consult factory.

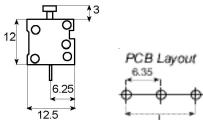
7A 300V 5mm



M



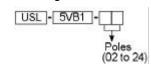




Patented Spring Design-Vertical

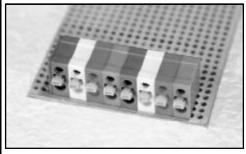
Dimensions n=number of poles L=(n-1) x 5

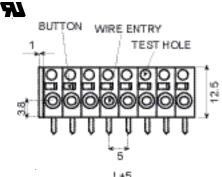
Ordering Information

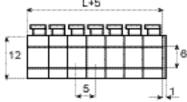


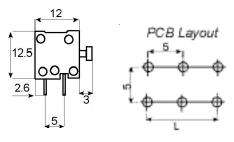
7A 300V

5mm





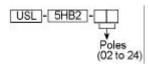




Patented Spring Design-Horizontal

Dimensions n=number of poles L=(n-1) x 5

Ordering Information



(800)595-8881 www.blockmaster.com

141R/ 141VSeries

142R/ 142V Series

Specifications: 141 Series

Features:

*Compact 2.54mm spacing

*Vertical or right angle wire entry

*Lever on same plane as wire entry

*Ideal for signal/ low voltage applications

*Fast and efficient wiring process

*1 position modular blocks

*2 pins per pole for stability

*No exposed metal parts

Electrical

Current: 6A @ 63V Wire range: 20 to 24 AWG Pin dimension: 0.5mm x 0.7mm Withstanding voltage:<AC 1200V/min IR: >500MΩ (500V DC) Operating temp: -40°C to +105°C

Stripping length: 7.5mm PCB holes: min 1mm PCB thickness: max 2.4mm

Materials

Housing: Polyamide 6,6 Green

Spring clamp: SUS301

Terminal: Brass, Tin plated Lever: Polyamide 6,6 Orange

Specifications: 142 Series

Features:

- *Popular 5.08mm spacing
- *Vertical or right angle wire entry
- *Lever on same plane as wire entry
- *Fast and efficient wiring process *1 position modular blocks
- *2 pins per pole for stability
- *Lever can be worked by fingers
- *No exposed metal parts

Electrical

Current: 10A @ 250V Wire range: 14 to 22 AWG Pin dimension: 0.5mm x 1.0mm Withstanding voltage:<AC 1200V/min >500MΩ (500V DC)

-40°C to +105°C Operating temp: Stripping length: 7.5mm PCB holes: min 1.1mm PCB thickness: max 2.4mm

Materials

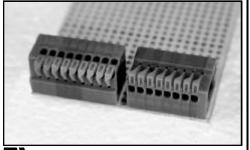
Polyamide 6,6 Green Housing:

Spring clamp: SUS301

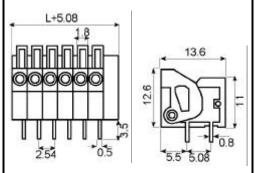
Terminal: Brass, Tin plated Polyamide 6,6 Orange Lever:

6A 63V

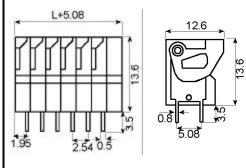


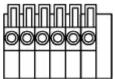


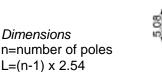
141 Right Angle



141 Vertical

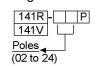






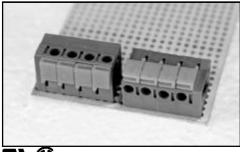
Ordering Information

PCB Lavout



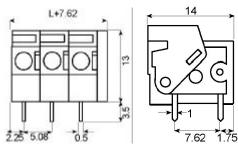
10A 250V

5.08mm

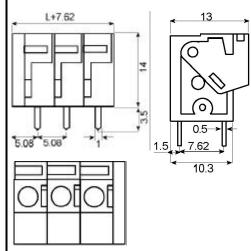


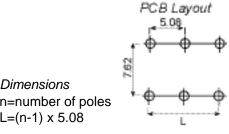
FL

142 Right Angle



142 Vertical





Ordering Information



Also available in 7.62mm centers.

(800)595-8881 www.blockmaster.com

Pluggable Terminal Blocks

CTM Headers

CTM Screw Flange Headers

Specifications: CTM Series

Features:

*CTM headers for use with CTF plugs *Compact 3.5/3.81mm spacing saves PCB real estate

*2 to 25 positions single mold
*Coded to prevent plugging in upside down
*Locking screw flange headers to mate with

locking CTF "V" Series

Electrical

 $\begin{array}{lll} \mbox{IR:} & >10^9 \ \Omega \ (500V \ DC) \\ \mbox{Operating temp:} & -40^{\circ} \mbox{C to } +110^{\circ} \mbox{C} \\ \mbox{PCB holes:} & \mbox{min } 1.2 \mbox{mm} \\ \mbox{PCB thickness:} & \mbox{max } 2.4 \mbox{mm} \\ \end{array}$

Climactic category: 40/110/21 Acc. to IEC 68-1

Materials

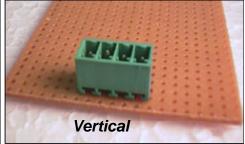
Housing: Polyamide 6,6 (UL94V-0)
Terminal pin: Bronze,Tin plated
Colors available: Green is standard
Black is optional

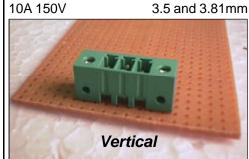
Marking

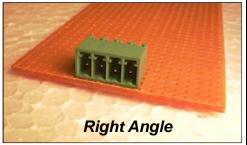
Consult factory for marking options.

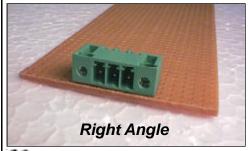
10A 150V

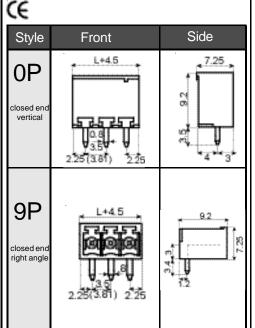
3.5 and 3.81mm

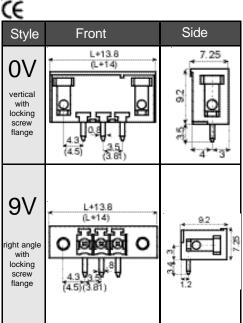










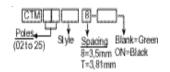


3.5mm and 3.81mm pluggable blocks!

Dimensions

n=number of poles L=(n-1) x 3.5/3.81

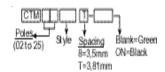
Ordering Information



Dimensions

n=number of poles L=(n-1) x 3.5/3.81

Ordering Information





BlockMaster Electronics, Inc.

(800)595-8881 www.blockmaster.com

MTS Series

MTS 90° Series

Specifications: MTS Series

Features.

- Compact 3.5 or 3.81 spacing
- MTS is supplied with the clamp in the open position
- Double captive screws
- Elevator clamp system
- Testing points
- 2 to 25 positions single mold
- Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens
- Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product
- Minimum 5 microns of tin plating on terminal for easy soldering

Electrical

 Current:
 12A @ 300V

 Wire Range:
 14-30 AWG

 Wire Section: (mm²)
 0.05 to 1.3mm²

 Pin Dimension:
 0.8mm x 0.4mm

CR: <15m

IR: >10M (500V DC)
Operating temp: -40°C - +110°C
Stripping Length: 5mm
Torque: 0.13 Nm

Torque: 0.13 Nm
PCB Holes: min 1.1mm
PCB Thickness: max 2.3mm

Climatic Category: 40/110/21 Acc. To IEC 68-1

Materials

Housing: Polyamide 6,6 (UL 94V-O)
Clamp: Copper Alloy, NI plated
Terminal: Copper Alloy, Tin-plated
Screw: M2, Copper Alloy, Ni plated

Colors Available: Green and Black

Marking

Adhesive strips not available

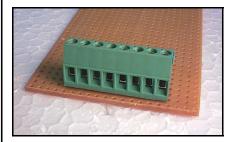
Ink marking by factory (specify in order number): Factory ink is permanent and will not rub off. Ink has fluorescent tint for greater visibility

0 = no printing

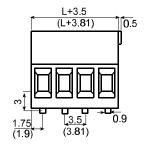
A= upside down printing (consecutive #'s R to L)
B= regular printing (consecutive #'s L to R)

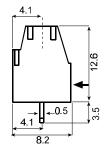
12A 300V

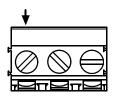
3.5 and 3.81 mm









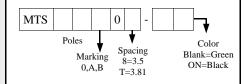


PCB Layout

Dimensions

 $\begin{array}{c} n = number\ of\ poles \\ L=(n-1)\ x\ 3.5\ (for\ 3.5mm\ spacing) \\ L=(n-1)\ x\ 3.81\ (for\ 3.81mm\ spacing) \end{array}$

Ordering Information

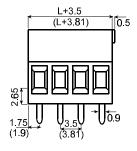


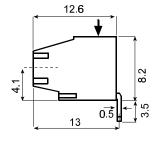
7A 250V

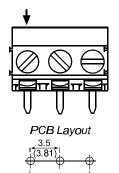
3.5 and 3.81 mm







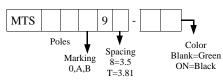




Dimensions

n = number of poles $L=(n-1) \times 3.5 \text{ (for 3.5mm spacing)}$ $L=(n-1) \times 3.81 \text{ (for 3.81mm spacing)}$

Ordering Information



BlockMaster Electronics, Inc.

(800) 595-8881

MSB Series

MSB 90° Series

Specifications: MSB Series

Features:

- 5.00 or 5.08mm spacing
- MSB is supplied with the clamp in the open position
- Double captive screws
- Elevator clamp system
- Testing points/holes
- 2 to 25 positions single mold
- 2 to 36 positions modular
- 2 position blocks can be ordered with clamping pegs to reduce torque levels on the PCB and surpass VDE
- Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens
- Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product
- Minimum 5 microns of tin plating on terminal for easy soldering

Electrical

13.5A @ 300V Current: Wire Range: 16-30 AWG Wire Section: (mm²) 0.05 to 1.5mm² Pin Dimension: .9mm x 0.5mm CR: <15m

IR:

>10M (500V DC) $-40^{\circ}C - +110^{\circ}C$ Operating temp:

Stripping Length: 5mm Torque: 0.5 Nm PCB Holes: min 1.1mm PCB Thickness: max 2.4mm

Climatic Category: 40/110/21 Acc. To IEC 68-1

Materials

Polyamide 6,6 (UL 94V-O) Housing: Clamp: Copper Alloy, NI plated Copper Alloy, Tin-plated Terminal: M3, Copper Alloy, Ni plated Screw:

Colors Available: Green and Black

Marking

Adhesive marking strips for 5 and 5.08mm centers

Numbered	Order Number
1-10	ESA014000110
11-20	ESA014001120
21-30	ESA014002130
31-40	ESA014003140
41-50	ESA014004150

Adhesive strips not available

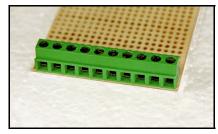
Ink marking by factory (specify in order number): Factory ink is permanent and will not rub off. Ink has fluorescent tint for greater visibility

0 = no printing

A= upside down printing (consecutive #'s R to L) B= regular printing (consecutive #'s L to R)

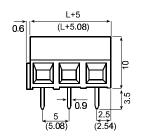
Custom markings are welcome with minimum order - Contact factory

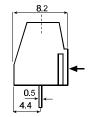
13.5A 300V

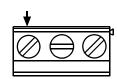


5 and 5.08mm

71 () () () () () ()









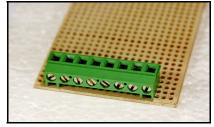
Dimensions

n = number of polesL=(n-1) x 5.00 (for 5.00mm spacing) L=(n-1) x 5.08 (for 5.08mm spacing)

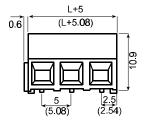
Ordering Information MSB Poles Color Spacing Blank=Green Marking ON=Black 0,A,B5=5.08

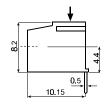
13.5A 300V

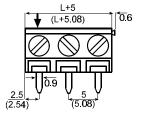
5 and 5.08mm

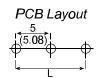










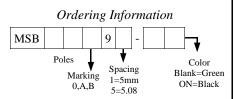


Dimensions

n = number of poles

L=(n-1) x 5.00 (for 5.00mm spacing)

L=(n-1) x 5.08 (for 5.08mm spacing)



Mini European PCB Terminal Blocks

301/311 Series

300/310 Series

Specifications: 301/311/300/310 Series

- Economical wire protector products
- 2 and 3 position modular
- Machined type inserts
- 301/310 series are low profile blocks
- 300/310 series have test holes and higher profile
- 300 and 301 are vertical mount blocks
- 310 and 311 are right angle blocks
- Wire protector system
- Black and blue colors available

Electrical

10A @ 250V Current: 14-16 AWG Wire Range: Pin Dimension: 1mm CR: <20m

>5000M (1000V DC) IR:

-55°C - +105°C Operating temp: Stripping Length: 6mm

Torque: 4.5 lb-in PCB Holes: min 1.6mm PCB Thickness: max 2.3mm

Materials

Housing: PBT-4115 (UL 94V-O) Metal Housing: Brass (Cu, Zn), Cu, Tin plated

Wire Guard Stainless steel

Terminal: Brass (Cu, Zn), Tin plated

M2.6, steel, chromated and galvanized Screw:

Colors Available: Black, blue

Marking

Adhesive marking strips not available

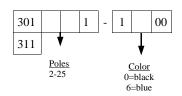
Ink marking by factory (specify in order number)

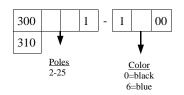
0=no marking

1=numbered 1 2 3 4 etc. left to right Minimums apply for marking

Contact factory for additional information

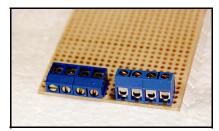
Ordering Information





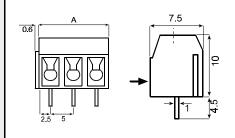
10A 250V

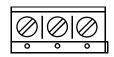
5 mm



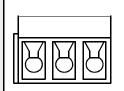
71 (A)

301 Series (vertical)

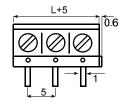




301 Series (vertical)





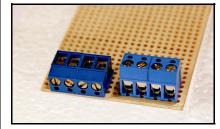




Dimensions n = number of poles $L=(n-1) \times 5.00$

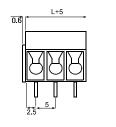
10A 250V

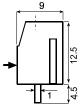
5 mm

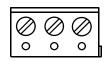




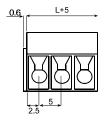
300 Series (vertical)

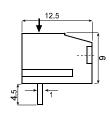


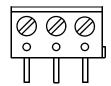




310 Series (vertical)









Dimensions n = number of poles $L=(n-1) \times 5.00$

MSG Series

PA001/PA002 Series

Specifications: MSG Series

Features:

- MSG is supplied with clamp in the open position
- Double captive screws
- Elevator clamp system
- Testing points
- 2 to 25 positions single mold
- 2 to 30 positions modular
- Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens
- Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product
- Minimum 5 microns of tin plating on terminal for easy soldering

Electrical

 Current:
 17.5A @ 300V

 Wire Range:
 14-30 AWG

 Wire Section: (mm²)
 0.05 to 2.5mm²

 Pin Dimension:
 1mm x 0.8mm

 CR:
 <15m</td>

IR: >10M (500V DC) Operating temp: $-40^{\circ}\text{C} - +110^{\circ}\text{C}$

Stripping Length: 5.5mm
Torque: 0.5 Nm
PCB Holes: min 1.4mm
PCB Thickness: max 2.4mm

Climatic Category: 40/110/21 Acc. To IEC 68-1

Materials

Housing: Polyamide 6,6 (UL 94V-O)
Clamp: Copper Alloy, NI plated
Terminal: Copper Alloy, Tin-plated
Screw: M3, Copper Alloy, Ni plated

Colors Available: Green, black

Marking

See information on MSM series

Specifications: PA001/PA002 Series

Features:

- Economical wire protector style
- Captive Screws
- 2 and 3 position modular
- Machine stamped inserts
- Phil/slot combo screw
- Vertical and right angle styles

Electrical

Current: 10A @ 300V Wire Range: 14 to 26 AWG Pin Dimension: 0.6mm x 1.1mm CR: <15m

IR: >500M (500V DC)
Operating Temp: -35°C - +75°C

Stripping Length: 6.5mm
Torque: .23 Nm
PCB holes min 1.5mm

Materials

Housing: Thermoplastic-UL94V2

Wire Guard: Steel

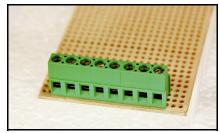
Terminal: Brass, Tin plated

Screw: M2.5, steel, yellow chromated

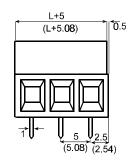
Color available: Blue

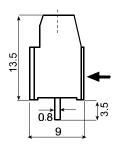
17.5A 150V

5 and 5.08 mm







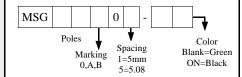


Dimensions

n = number of polesL=(n-1) x 5.00 (for 5.00mm spacing) L=(n-1) x 5.08 (for 5.08mm spacing)

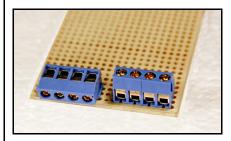


Ordering Information



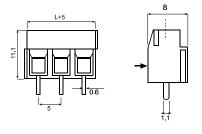
10A 300V

5 mm

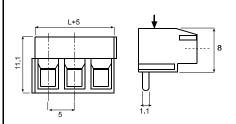




PA001 Series (vertical)



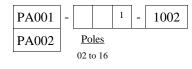
PA002 Series (right angle)



 $\begin{aligned} & \textit{Dimensions} \\ & n = \text{number of poles} \\ & L = (\text{n-1}) \text{ x 5} \end{aligned}$



Ordering Information



BlockMaster Electronics, Inc.

(800) 595-8881

MSM Series

MSM 90° Series

Specifications: MSM Series

Features:

- MSM is supplied with the clamp in the open position
- Double captive screws
- Elevator clamp system
- Testing points/holes
- 2 to 25 positions single mold
- 2 to 30 positions modular
- Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens
- Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product
- Minimum 5 microns of tin plating on terminal for easy soldering

Electrical

Current: 17.5A @ 300V Wire Range: 12-30 AWG Wire Section: (mm²) 0.05 to 2.5mm² Pin Dimension: 15m x 0.8mm

CR: <15m

IR: >10⁹ (500V DC)
Operating temp: -40°C -+110°C

Stripping Length: 6mm
Torque: 0.5 Nm
PCB Holes: min 1.4mm
PCB Thickness: max 2.8mm

Climatic Category: 40/110/21 Acc. To IEC 68-1

Materials

Housing: Polyamide 6,6 (UL 94V-O)
Clamp: Copper Alloy, NI plated
Terminal: Copper Alloy, Tin-plated
Screw: M3, Copper Alloy, Ni plated

Colors Available: Green and Black

Marking

Numbered marking strips for 5 and 5.08 mm centers

Order Number
ESA014000110
ESA014001120
ESA014002130
ESA014003140
ESA014004150

Ink marking by factory (specify in order number): Factory ink is permanent and will not rub off. Ink has fluorescent tint for greater visibility

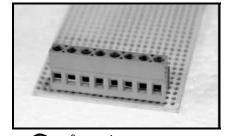
0 = no printing

A= upside down printing (consecutive #'s R to L) B= regular printing (consecutive #'s L to R)

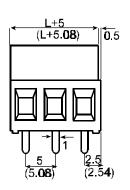
Custom markings are welcome with minimum order - Contact factory

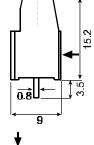
17.5A 300V

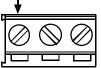
5 and 5.08mm











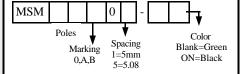


Dimensions

 $n = number of poles \\ L=(n-1) \ x \ 5.00 \ (for \ 5.00mm \ spacing) \\ L=(n-1) \ x \ 5.08 \ (for \ 5.08mm \ spacing)$

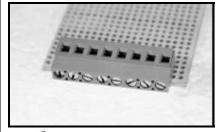
(Also available in 10mm and 10.16mm centers)

Ordering Information

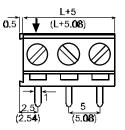


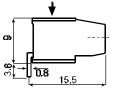
17.5A 300V

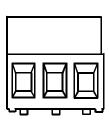
5 and 5.08mm



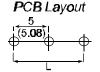








Also available with a 270° pin bend



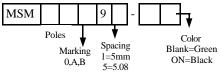
Dimensions

n = number of poles

L=(n-1) x 5.00 (for 5.00mm spacing) L=(n-1) x 5.08 (for 5.08mm spacing)

(Also available in 10mm and 10.16mm centers)

Ordering Information



BlockMaster Electronics, Inc.

(800) 595-8881

MSM 35° Series

320 Series

Specifications: MSM Series

Features:

- MSM is supplied with the clamp in the open position
- Captive screws
- Elevator clamp system
- Testing points/holes
- 2 to 25 positions single mold
- 2 to 36 positions modular
- Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens
- Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product
- Minimum 5 microns of tin plating on terminal for easy soldering

Electrical:

Current: 17.5A @ 300V Wire Range: 12-30 AWG 0.05 to 2.5mm² Wire Section: (mm²) 1mm x 0.8mm Pin Dimension: CR: <15m

(500V DC) $>10^{9}$ IR: -40°C - +110°C Operating temp:

Stripping Length: 6mm Torque: 0.5 Nm PCB Holes: min 1.4mm PCB Thickness: max 2.8mm

Climatic Category: 40/110/21 Acc. To IEC 68-1

Materials:

Housing: Polyamide 6,6 (UL 94V-O) Clamp: Copper Alloy, NI plated Terminal: Copper Alloy, Tin-plated M3, Copper Alloy, Ni plated Screw:

Colors Available: Green and Black

Marking

(See marking information on page 8)

Specifications: 320 Series

Features:

- Economical solution for angled wire entry
- 2- and 2- position modular
- Rising clamp for secure connection

Electrical:

10A @ 300v Current: Wire range: 14 to 22 AWG Pin Dimension: 1mm x 0.7mm $<15m\grave{U}$ CR: IR:

>10⁹¿ (500VDC) -40°C to +110°C Operating temp:

Stripping length: $7 \mathrm{mm}$ Torque: 4.5 lb-in PCB holes: Min 1.4mm PCB thickness: Max 2.4mm

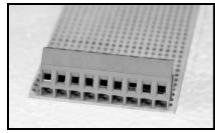
PBT-4115 (UL94V-0) *Materials:*

Housing: Plated steel Brass, tin plated Wire protector: Terminal: M2.6, steel, zinc plated Black (std), blue

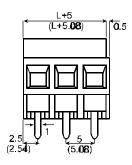
Screw: Colors available:

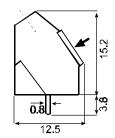
Marking Not available 17.5A 300V

5 and 5.08mm









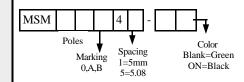


Dimensions n = number of poles

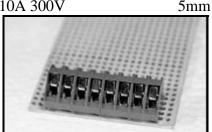
L=(n-1) x 5.00 (for 5.00mm spacing) L=(n-1) x 5.08 (for 5.08mm spacing)

(Also available in 10mm and 10.16mm centers)

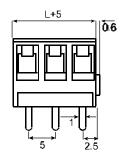
Ordering Information

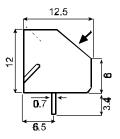


10A 300V



91 (1) 2



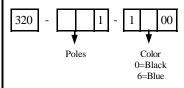


PCB Lavout

Dimensions n = number of poles $L=(n-1) \times 5.00$

(Also available in 10mm centers)

Ordering Information



(800) 595-8881

MSQ Series

MSQ 90° Series

Specifications: MSQ Series

Features:

- MSQ is supplied with the clamp in the open position
- Double captive screws
- Elevator clamp system
- Testing points/holes
- 2 to 25 positions single mold
- 2 to 30 positions modular
- Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens
- Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product
- Minimum 5 microns of tin plating on terminal for easy soldering

Electrical

 Current:
 24A @ 300V

 Wire Range:
 12-30 AWG

 Wire Section: (mm²)
 0.05 to 4mm²

 Pin Dimension:
 Imm x 0.8mm

CR: <15m

IR: >10⁹ (500V DC)
Operating temp: -40°C - +110°C
Stripping Length: 6.5 Nm

O 5 Nm

PCB Holes: min 1.4mm
PCB Thickness: max 2.4mm

A(1)(10/2) A

A(1)(10/2) A

Climatic Category: 40/110/21 Acc. To IEC 68-1

Materials

Housing: Polyamide 6,6 (UL 94V-O)
Clamp: Copper Alloy, NI plated
Terminal: Copper Alloy, Tin-plated
Screw: M3, Copper Alloy, Ni plated

Colors Available: Green and Black

Marking

Numbered marking strips for 5 and 5.08mm centers

Numbered	Order Number
1-10	ESA014000110
11-20	ESA014001120
21-30	ESA014002130
31-40	ESA014003140
41-50	ESA014004150

<u>Ink marking by factory</u> (specify in order number): Factory ink is permanent and will not rub off.

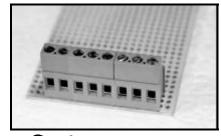
Ink has fluorescent tint for greater visibility 0 = no printing

A= upside down printing (consecutive #'s R to L)
B= regular printing (consecutive #'s L to R)

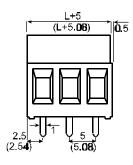
Custom markings are welcome with minimum order - Contact factory

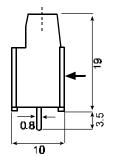
24A 300V

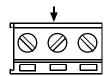
5 and 5.08mm













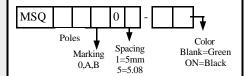
Dimensions

n = number of polesL=(n-1) x 5.00 (for 5.00mm spacing)

L=(n-1) x 5.08 (for 5.08mm spacing)

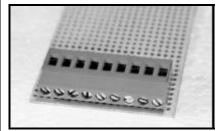
(Also available in 10mm and 10.16mm centers)

Ordering Information

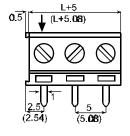


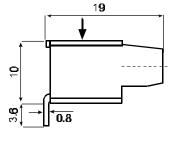
24A 300V

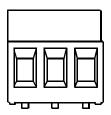
5 and 5.08mm

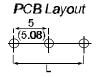












Dimensions

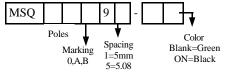
n = number of poles

L=(n-1) x 5.00 (for 5.00mm spacing)

L=(n-1) x 5.08 (for 5.08mm spacing)

(Also available in 10mm and 10.16mm centers)

Ordering Information



BlockMaster Electronics, Inc.

(800) 595-8881

MSM Series

MSM90 • Series

Specifications: MSM Series

Features:

- MSM is supplied with the clamp in the open position
- Captive screws
- Elevator clamp system
- Testing holes
- 2 to 4 positions single mold
- 2 to 25 positions modular
- Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens
- Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product
- Minimum 5 microns of tin plating on terminal for easy soldering

Electrical

Current: 17.5A @ 300V Wire Range: 12-30 AWG Wire Section: (mm²) 0.05 to 2.5mm² Pin Dimension: 1mm x 0.8mm CR:

<15m

(500V DC) IR: $>10^{9}$ -40°C - +110°C Operating temp: Stripping Length: 5.5mm Torque: 0.5 Nm

PCB Holes: min 1.4mm PCB Thickness: max 2.4mm

40/110/21 Acc. To IEC 68-1 Climatic Category:

Materials

Polyamide 6,6 (UL 94V-O) Housing: Copper Alloy, NI plated Clamp: Terminal: Copper Alloy, Tin-plated Screw: M3, Copper Alloy, Ni plated

Colors Available: Green and Black

Marking

Adhesive marking strips for 7.5 and 7.62mm centers

Numbered Order Number 1-10 ES34000110 11-20 ES34001120 ES34002130 21-30

Ink marking by factory (specify in order number): Factory ink is permanent and will not rub off. Ink has fluorescent tint for greater visibility

0 = no printing

A= upside down printing (consecutive #'s R to L) B= regular printing (consecutive #'s L to R)

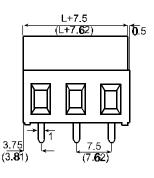
Custom markings are welcome with minimum order - Contact factory

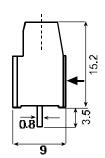
17.5A 300V

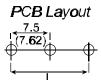
7.5 and 7.62mm







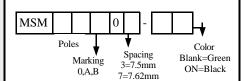




Dimensions

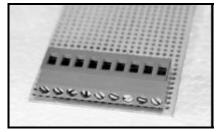
n = number of poles $L=(n-1) \times 7.50$ (for 7.50mm spacing) L=(n-1) x 7.62 (for 7.62mm spacing)

Ordering Information

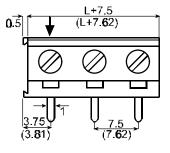


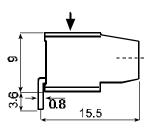
17.5A 300V

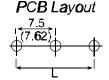
7.5 and 7.62mm







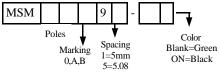




Dimensions

n = number of polesL=(n-1) x 7.50 (for 7.50mm spacing) L=(n-1) x 7.62 (for 7.62mm spacing)

Ordering Information



BlockMaster Electronics, Inc.

(800) 595-8881

MSQ Series

MSQ90 Series

Specifications: MSQ Series

Features:

- MSQ is supplied with the clamp in the open position
- Captive screws
- Elevator clamp system
- Testing holes/points
- 2 to 4 positions single mold
- 2 to 25 positions modular
- Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens
- Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product
- Minimum 5 microns of tin plating on terminal for easy soldering

Electrical

Current: 24A @ 300V Wire Range: 12-30 AWG Wire Section: (mm²) 0.05 to 4mm² Pin Dimension: 1mm x 0.8mm

CR: <15m

 $>10^{9}$ (500V DC) -40°C - +110°C Operating temp: Stripping Length: 6.5mm Torque: 0.5 Nm

PCB Holes: min 1.4mm PCB Thickness: max 2.4mm

40/110/21 Acc. To IEC 68-1 Climatic Category:

Materials

Housing: Polyamide 6,6 (UL 94V-O) Clamp: Copper Alloy, NI plated Terminal: Copper Alloy, Tin-plated M3, Copper Alloy, Ni plated Screw:

Colors Available: Green and Black

Marking

Adhesive marking strips for 7.5 and 7.62mm centers

Numbered Order Number ES34000110 1-10 11-20 ES34001120 21-30 ES34002130

Ink marking by factory (specify in order number): Factory ink is permanent and will not rub off.

Ink has fluorescent tint for greater visibility

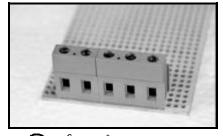
0 = no printing

A= upside down printing (consecutive #'s R to L)

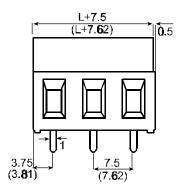
B= regular printing (consecutive #'s L to R)

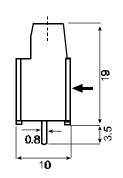
Custom markings are welcome with minimum order - Contact factory

24A 300V 7.5 and 7.62mm







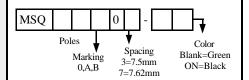




Dimensions n = number of poles

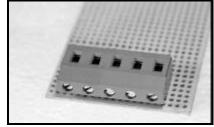
L=(n-1) x 7.50 (for 7.50mm spacing) L=(n-1) x 7.62 (for 7.62mm spacing)

Ordering Information

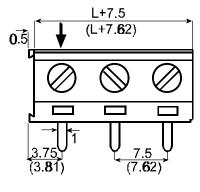


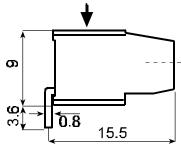
24A 300V

7.5 and 7.62mm



71 🚯 🞪





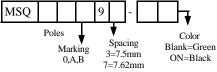
PCB Lavout

Dimensions

n = number of polesL=(n-1) x 7.50 (for 7.50mm spacing)

L=(n-1) x 7.62 (for 7.62mm spacing)

Ordering Information



BlockMaster Electronics, Inc.

(800) 595-8881

PSB M Series

PSB H Series

Specifications: PSB Series

Features:

- PSB is supplied with the clamp in the open position
- Double captive screws
- Elevator clamp system
- Testing points/holes
- 2 and 3 positions single mold
- Up to 30 positions modular
- Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens
- Positions are contacts *per row*, not *total* contacts
- All PSB and MSB blocks can be interlocked to form custom configurations
- Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product
- Minimum 5 microns of tin plating on terminal for easy soldering

Electrical

Current: 13.5A @ 300V
Wire Range: 16-30 AWG
Wire Section: (mm²) 0.05 to 1.5mm²
Pin Dimension: 0.9mm x 0.5mm

CR: <15m

IR: >10⁹ (500V DC)
Operating temp: -40°C - +110°C
Stripping Length: 5mm

Stripping Length: 5mm
Torque: 0.5 Nm
PCB Holes: min 1.1mm
PCB Thickness: max 2.4mm

Climatic Category: 40/110/21 Acc. To IEC 68-1

Materials

Housing: Polyamide 6,6 (UL 94V-O)
Clamp: Copper Alloy, NI plated
Terminal: Copper Alloy, Tin-plated
Screw: M3, Copper Alloy, Ni plated

Colors Available: Green and Black

Marking

Numbered marking strips for 5 and 5.08mm centers

Numbered	Order Number
1-10	ESA014000110
11-20	ESA014001120
21-30	ESA014002130
31-40	ESA014003140
41-50	ESA014004150

Ink marking by factory (specify in order number):

Factory ink is permanent and will not rub off.

Ink has fluorescent tint for greater visibility

0 = no printing

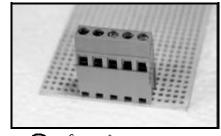
A= upside down printing (consecutive #'s R to L)

B= regular printing (consecutive #'s L to R)

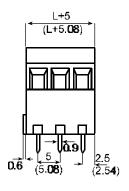
Custom markings are welcome with minimum order - Contact factory

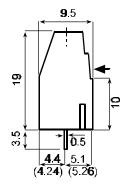
13.5A 300V

5 and 5.08mm











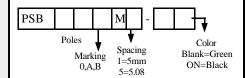
Dimensions

n = number of poles

L=(n-1) x 5.00 (for 5.00mm spacing) L=(n-1) x 5.08 (for 5.08mm spacing)

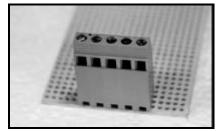
(Also available in 10mm and 10.16mm centers)

Ordering Information

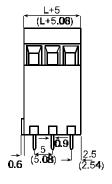


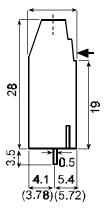
13.5A 300V

5 and 5.08mm











Dimensions

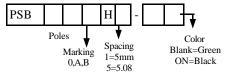
n = number of poles

L=(n-1) x 5.00 (for 5.00mm spacing)

L=(n-1) x 5.08 (for 5.08mm spacing)

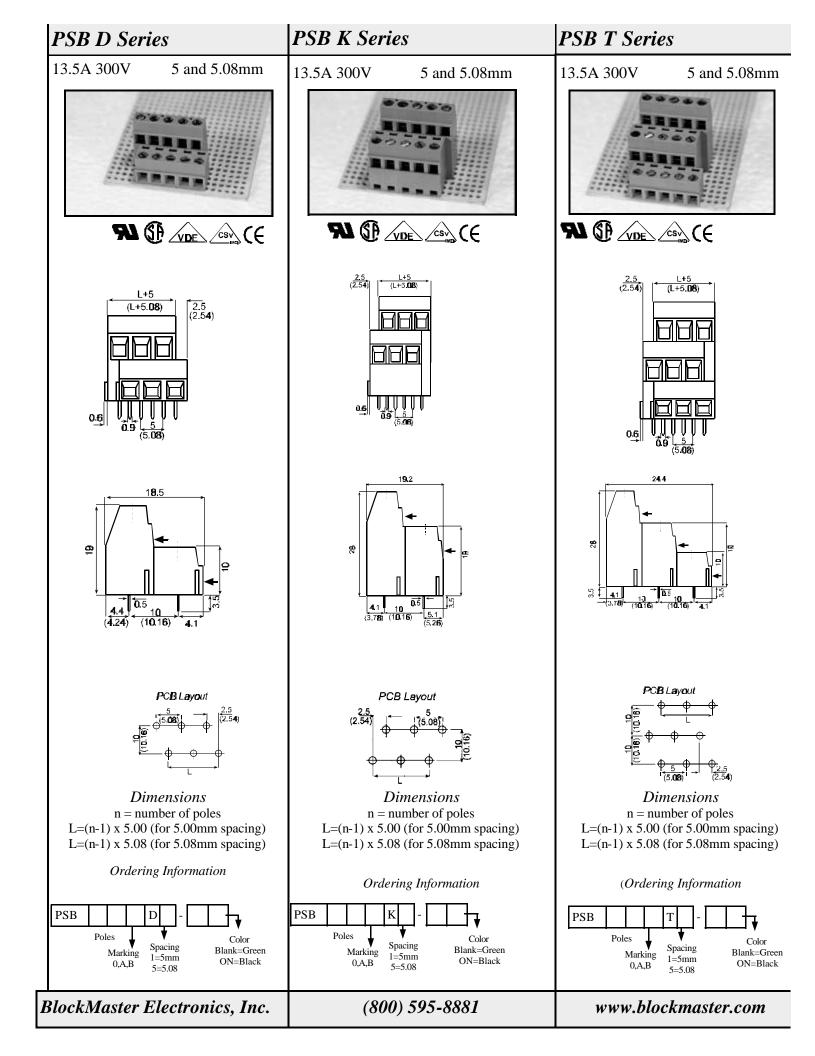
(Also available in 10mm and 10.16mm centers)

Ordering Information



BlockMaster Electronics, Inc.

(800) 595-8881



PSM M Series

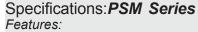
PSM H Series

17.5A 300V

17.5A 300V

5 and 5.08mm

5 and 5.08mm



*PSM is supplied with clamp in the open position

*Double captive screws

*Elevator clamp style

*Testing holes/points

*2 and 3 positions single mold

*Up to 30 positions modular

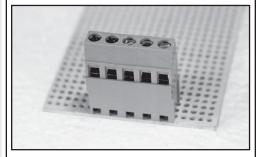
*Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens.

*Positions are contacts *per row*, not *total* contacts *All PSM and MSM blocks can be interlocked to

form custom configurations

*Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product.

*Minimum 5 microns of tin plating on terminal for easy soldering.





Electrical

 $\begin{array}{lll} \text{Current:} & 17.5\text{A} @ 300\text{V} \\ \text{Wire range:} & 12 \text{ to } 30 \text{ AWG} \\ \text{Wire section(mm}^2\text{):} & 0.05 \text{ to } 2.5\text{mm}^2 \\ \text{Pin dimension:} & 1\text{mm} \times 0.8\text{mm} \\ \text{CR:} & <15\text{m}\Omega \\ \end{array}$

IR: $>10^{\circ}\Omega$ (500V DC)
Operating temp: -40°C to $+110^{\circ}\text{C}$ Stripping length: 5.5mm

Stripping length: 5.5mm
Torque: 0.5 Nm
PCB holes: min 1.4mm
PCB thickness: max 2.8mm

Climactic category: 40/110/21 Acc. to IEC 68-1



Housing: Polyamide 6,6 (UL94V-0)
Clamp: Copper alloy, Ni plated
Terminal: Copper alloy, Tin plated
Screw: M3, copper alloy, Ni plated

Colors available: Green, black

Marking

Adhesive marking strips 5 and 5.08mm centers.

 Numbered
 Order Number

 1-10
 ESA14000110

 11-20
 ESA14001120

 21-30
 ESA14002130

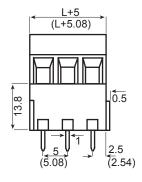
 31-40
 ESA14003140

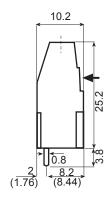
 41-50
 ESA14004150

Ink marking by factory (specify in order number): Factory ink is permanent and will not rub off. Ink has fluorescent tint for greater visibility.

0=no printing
A=upside down printing (consecutive #'s R to L)
B=regular printing (consecutive #'s L to R)

Custom markings are welcome with minimum order. Contact factory for information.

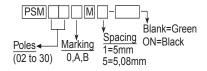




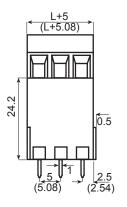


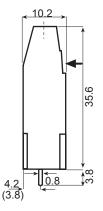
Dimensions n=number of poles L=(n-1) x 5 (for 5mm spacing) L=(n-1) x 5.08 (for 5.08mm spacing)

Ordering Information



Also available in 10mm and 10.16mm centers.

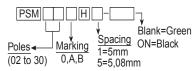






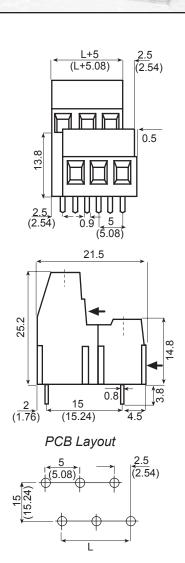
Dimensions n=number of poles L=(n-1) x 5 (for 5mm spacing) L=(n-1) x 5.08 (for 5.08mm spacing)

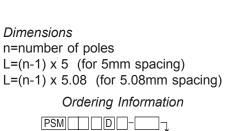
Ordering Information

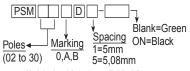


Also available in 10mm and 10.16mm centers.

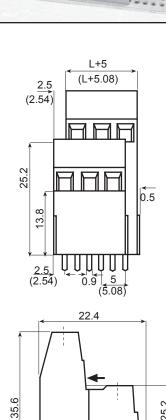
PSM K Series PSM T Series PSM D Series 5 and 5.08mm 17.5A 300V 17.5A 300V 5 and 5.08mm 17.5A 300V 5 and 5.08mm

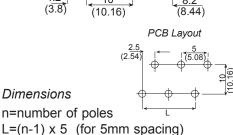






Also available in 10mm and 10.16mm centers.





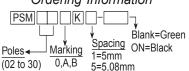
10

4.2

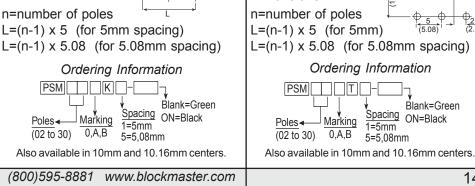
3.8

ω

8.2



Also available in 10mm and 10.16mm centers.



L+5

(L+5.08)

0.5

2.5

(2.54)

24.2

PSQ M Series

24A 300V

PSQ H Series

24A 300V

5 and 5.08mm

5 and 5.08mm

Specifications: PSQ Series Features:

- *PSQ is supplied with clamp in the open position
- *Double captive screws
- *Elevator clamp style

Electrical Current:

Wire range:

CR:

Torque:

PCB holes:

Materials Housing:

Clamp:

Screw: Colors available:

Terminal:

Marking

Numbered

1-10

11-20

21-30

31-40

41-50

IR:

Pin dimension:

Operating temp:

Stripping length:

PCB thickness:

- *Testing holes/points
- *2 and 3 positions single mold
- *Up to 30 positions modular
- *Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens.
- *Positions are contacts *per row*, not *total* contacts
- *All PSQ and MSQ blocks can be interlocked to form custom configurations
- *Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product.

24A @ 300V

12 to 30 AWG

1mm x 0.8mm

>109 Ω (500V DC)

Polyamide 6,6 (UL94V-0) Copper alloy, Ni plated

Copper alloy, Tin plated

M3, copper alloy, Ni plated

-40°C to +110°C

 $<15m\Omega$

6.5mm

0.5 Nm

Climactic category: 40/110/21 Acc. to IEC 68-1

min 1.4mm

max 2.4mm

Green, black

Order Number

ESA14000110

ESA14001120

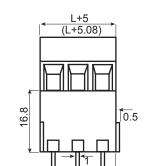
ESA14002130 ESA14003140

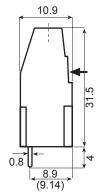
ESA14004150

Adhesive marking strips 5 and 5.08mm centers.

*Minimum 5 microns of tin plating on terminal for easy soldering.

Wire section(mm2): 0.05 to 4mm2





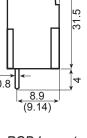


Dimensions n=number of poles

 $L=(n-1) \times 5$ (for 5mm spacing)

 $L=(n-1) \times 5.08$ (for 5.08mm spacing)

(2.54)



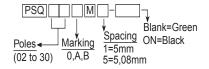
Factory ink is permanent and will not rub off. Ink has fluorescent tint for greater visibility.

A=upside down printing (consecutive #'s R to L) B=regular printing (consecutive #'s L to R)

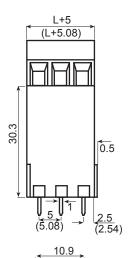
Ink marking by factory (specify in order number):

Custom markings are welcome with minimum order. Contact factory for information.

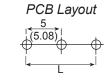
Ordering Information



Also available in 10mm and 10.16mm centers.





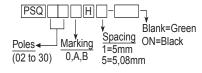


Dimensions n=number of poles

 $L=(n-1) \times 5$ (for 5mm spacing)

 $L=(n-1) \times 5.08$ (for 5.08mm spacing)

Ordering Information



Also available in 10mm and 10.16mm centers.

PSQ D Series PSQ K Series PSQ T Series 5 and 5.08mm 24A 300V 24A 300V 5 and 5.08mm 24A 300V 5 and 5.08mm 2.5 (2.54) L+5 (L+5.08) 2.5 (2.54) L+5 2.5 (2.54) (L+5.08) (L+5.08) 0.5 0.5 0.5 (2.54)22 2.5 (5.08) (2.54)(2.54)5.08) 22.9 34 2 31 0.8 45 45 31 (15.24) (1.76)PCB Layout 2.54) 0.8 15 (15.24) 10 (10.16) (3.6)(10.16) (3.6)(9.14)PCB Layout **Dimensions Dimensions Dimensions** n=number of poles n=number of poles n=number of poles $L=(n-1) \times 5 \text{ (for 5mm)}$ $L=(n-1) \times 5$ (for 5mm spacing) $L=(n-1) \times 5 \text{ (for 5mm)}$ $L=(n-1) \times 5.08$ (for 5.08mm spacing) $L=(n-1) \times 5.08$ (for 5.08mm spacing) $L=(n-1) \times 5.08$ (for 5.08mm spacing) Ordering Information Ordering Information Ordering Information Blank=Green Blank=Green Blank=Green Spacing ON=Black Spacing ON=Black Spacing ON=Black Marking [⊥] Marking 1=5mm 1=5mm 1=5mm (02 to 30) 0,A,B (02 to 30) 0,A,B (02 to 30) 0,A,B 5=5.08mm 5=5,08mm 5=5,08mm Also available in 10mm and 10.16mm centers. Also available in 10mm and 10.16mm centers. Also available in 10mm and 10.16mm centers.

(800)595-8881 www.blockmaster.com

16

EuroPCB Terminal Blocks

25EV Series

DT123RA Series

32A 150V

6.35mm 26A 300V 5 mm

Specifications: **25EV Series** Features:

*6.35mm (.25") spacing to fit many board layouts

*Captive screws

*Testing points

*Elevator style clamp

*2 and 3 positions modular

*Accepts #10 AWG

Electrical

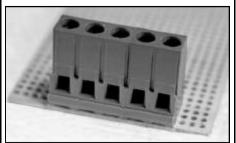
 $\begin{tabular}{lll} Current: & 32A @ 150V \\ Wire range: & 10 to 22 AWG \\ Pin dimension: & 0.8mm \times 0.8mm \\ Wirhstanding voltage: AC 2000V/min \\ IR: & >1000M\Omega \ (500V \ DC) \\ Operating temp: & -30^{\circ}C \ to +120^{\circ}C \\ \end{tabular}$

Stripping length: 6.5mm
Torque: 5 lb-in
PCB holes: min 1.1mm
PCB thickness: max 4.2mm

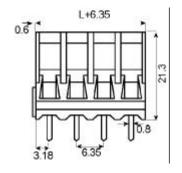
Materials

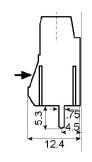
Housing: Polyester (UL94V-0)
Clamp: Steel, Zn plated
Terminal: Brass, Tin plated
Screw: M3, Steel, Zinc plated

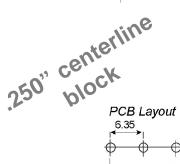
Colors available: Green





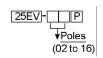


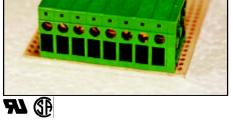


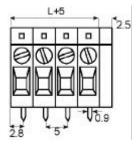


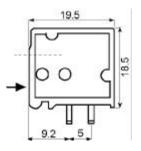
Dimensions n=number of poles L=(n-1) x 6.35

Ordering Information

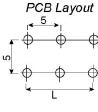








Same side screw



Dimensions n=number of poles L=(n-1) x 5

Ordering Information



Also available in 7.5mm centers.

Specifications: DT123RA Series

Features:

*Same side screw and wire entry.

*Ideal for multi level PCB's and front panel connections.

*Captive screws

*Single position modular pieces

*2 pins per position for stability

*Funnel shaped wire entry

Electrical

 $\begin{tabular}{llll} Current: & 26A @ 300V \\ Wire range: & 12 to 22 AWG \\ Pin dimension: & 0.8mm x 0.9mm \\ Wirhstanding voltage: AC 2000V/min \\ IR: & >1000M\Omega (500V DC) \\ Operating temp: & -30^{\circ}C to +130^{\circ}C \\ Stripping length: & 7.5mm \\ \end{tabular}$

Torque: 7 lb-in
PCB holes: min 1.2mm
PCB thickness: max 2.4mm

Materials

Housing: Polyester
Clamp: Steel, Zn plated
Terminal: Brass, Tin plated
Screw: M2.5, Steel, Zinc plated

Colors available: Green

17 (800)595-8881 www.blockmaster.com

95-8881 www.blockmaster.com BlockMaster Electronics, Inc.

EuroPCB Terminal Blocks

EK950V Series

EK381V4L Series

Specifications: EK950V

Features:

*High power Euro PCB connector

*Easy transition from barrier blocks to the European style with this 9.5mm (.375") spaced block

*Captive screws

*Elevator style clamp

*Testing holes

*2 and 3 positions modular

*Accepts #10 AWG

Electrical

Current: 30A @ 300V Wire range: 10 to 26 AWG Pin dimension: 0.9mm x 0.5mm Wirhstanding voltage:AC 2000V/min >1000MΩ (500V DC) -40°C to +105°C Operating temp:

Stripping length: 6mm Torque: 7 lb-in PCB holes: min 1.2mm PCB thickness: max 3.8mm

Materials

Housing: Polyamide 6,6 Steel, Zinc plated Clamp: Terminal: Brass, Tin plated M3, Steel, Zinc plated Screw:

Colors available: Green

Specifications EK381V4L Series

Features:

*Small spacing and dual level style saves PCB real

*EK381V4L is green color with clamp in the open position

*Captive screws

*Testing points

*Bottom level is modular with upper level *2 to 12 positions single mold, per level

*Side stacking capability

Electrical

Current: 10A @ 300V Wire range: 18 to 24 AWG Pin dimension: 0.9mm x 0.55mm Withstanding voltage: AC 1500V/min >500MΩ (500V DC) -40°C to +105°C Operating temp:

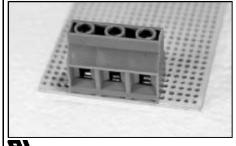
Stripping length: 4mm Torque: 2kg-cm PCB holes: min 1.1mm PCB thickness: max 2.4mm

Materials

Housing: Polyamide 6,6 Clamp: Steel, Zinc plated Terminal: Brass, Tin plated M2, Steel, Zinc plated Screw:

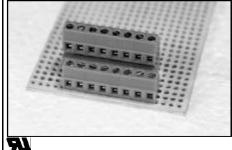
Colors available: Green 30A 300V

9.5mm

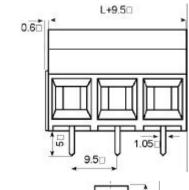


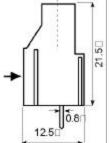
10A 300V

3.81mm



FLI





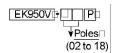


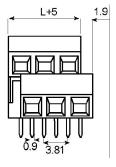
.375" centerline block

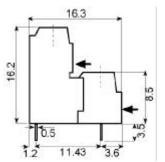
Dimensions

n=number of poles $L=(n-1) \times 9.5$

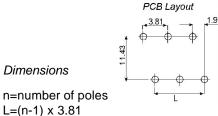
Ordering Information







Miniature Dual Tier



Ordering Information



BlockMaster Electronics, Inc.

(800)595-8881 www.blockmaster.com

CSF Plug

CSM Header

12A 300V

Specifications: CSF/CSM Series Features:

*CSF is supplied with clamp in the open position

*Double captive screws *Elevator clamp system

*2 to 25 positions single mold

*Can also be side stackable

*Vertical or right angle orientations

*Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens.

*Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product.

*Minimum 5 microns of tin plating on terminal for easy soldering.

Electrical

Current: 12A @ 300V Wire range: 14 to 30 AWG Wire section(mm²): 0.05 to 1.5mm² Pin diameter: φ1.3mm CR: $<15 \text{ m}\Omega$ IR: $>10^{9} \Omega$ (500V DC)

-40°C to 110°C Operating temp: Stripping length: 5_mm 3.5 lb-in

Torque: PCB holes: min 1.4mm PCB thickness: max 2.4mm

Climactic category: 40/110/21 Acc. to IEC 68-1

Insertion force: max 2 N Disconnecting force:min 1.2 N

Materials

Housing: Polyamide 6,6 (UL94V-0) Clamp: Copper alloy, Ni plated Spring: Phosphorus bronze, Tin plated Screw: M3, copper alloy, Ni plated Pin (header): Copper alloy, Tin plated Colors available: Green is standard Black is optional

Marking

Numbered marking strips 5mm centers. **Numbered** Order Number 1-10 ESA14000110 11-20 ESA14001120 21-30 ESA14002130 31-40 ESA14003140 ESA14004150 41-50

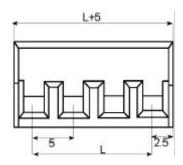
Ink marking by factory (specify in order number): Factory ink is permanent and will not rub off. Ink has fluorescent tint for greater visibility.

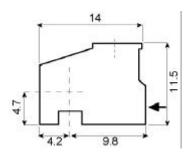
0=no printing

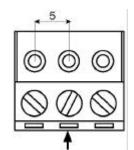
A=upside down printing (consecutive #'s R to L) B=regular printing (consecutive #'s L to R)

Custom markings are welcome with minimum order. Contact factory for information.







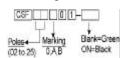




Dimensions

n=number of poles $L=(n-1) \times 5$

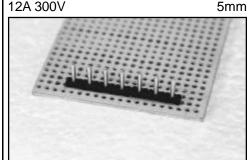
Ordering Information



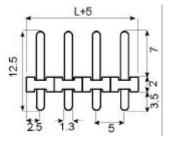
Also available in 10mm centers.

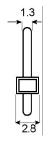
12A 300V

5mm







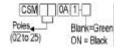




Dimensions

n=number of poles $L=(n-1) \times 5$

Ordering Information



Also available in 10mm centers.

19

(800)595-8881 www.blockmaster.com

10A 250V

5_{mm}

Specifications: 332/299 Series

Features:

*Economical wire protector connector

*2 and 3 positions modular

*Vertical or right angle orientations *Black (standard) and blue colors

*299 header-black only

Electrical

IR: $>5000M\Omega(500V DC)$ Operating temp: $-33^{\circ}C$ to $120^{\circ}C$

Stripping length: 5mm

Torque: 4.5 in-lb

PCB holes: min 1.6mm

PCB thickness: max 2.4mm

Materials

Housing: Polyester(glass filled) UL94V-0

Wire guard: Cu, Be

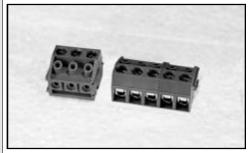
Metal Housing: Copper, Tin plated
Screw: M2.6, Steel, chromated and

galvanized

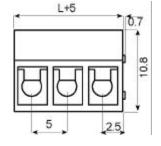
Pin (header): Brass, Ni and Tin plated Colors available: Black (standard), blue

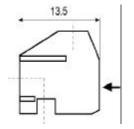
Marking

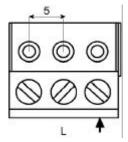
Consult factory for marking options









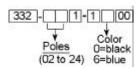


Wire Protector

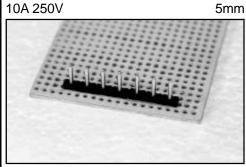
Dimensions

n=number of poles L=(n-1) x 5

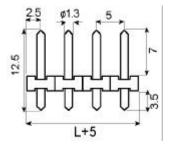
Ordering Information

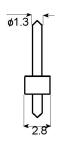


Also available in 10mm centers.







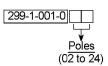




Dimensions

n=number of poles L=(n-1) x 5

Ordering Information



Also available in 10mm centers.

CIF Plug

CIF Plug

Specifications: CIF Series

Features:

*CIF is supplied with clamp in the open position

*Double captive screws

*2 to 25 positions single mold

*Elevator clamp system

*Use with CIM or CPM headers

*Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens

*Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product

*Minimum 5 microns of tin plating on terminal for easy soldering

Electrical

Current(5/5.08): 12A @ 300V Current(7.5/7.62): 12A @ 300V Wire range: 12 to 30 AWG Wire section(mm²): 0.05 to 2.5mm² CR: $<15~\text{m}\Omega$ >10⁹ Ω (500V DC) IR: Operating temp: -40°C to 110°C

Stripping length: 6mm 3.5 in-lb Torque: PCB holes: N/A PCB thickness: N/A

Climactic category: 40/110/21 Acc. to IEC 68-1

Insertion force: max 3 N Disconnecting force:min 1.5 N

Materials

Housina: Polyamide 6,6 (UL94V-0) Clamp: Copper alloy, Ni plated Spring/leaf contact: Phosphorus bronze, Tin plated Screw: M3, copper alloy, Ni plated

Colors available: Green is standard

Black is optional

Marking

Adhesive marking strips 5 and 5.08mm centers.

Order Number Numbered 1-10 ESA14000110 11-20 ESA14001120 21-30 ESA14002130 31-40 ESA14003140 41-50 ESA14004150

Numbered marking strips 7.5 and 7.62mm

centers.

Numbered Order Number 1-10 ESA34000110 ESA34001120 11 - 2021-30 ESA34002130

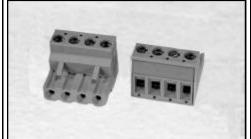
Ink marking by factory (specify in order number): Factory ink is permanent and will not rub off. Ink has fluorescent tint for greater visibility.

0=no printing

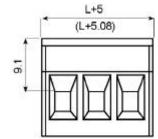
A=upside down printing (consecutive #'s R to L) B=regular printing (consecutive #'s L to R)

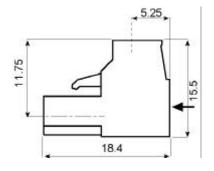
Custom markings are welcome with minimum order. Contact factory for information.

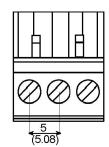
12A 300V

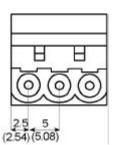


91 (f) 🚕





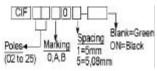




Dimensions

n=number of poles $L=(n-1) \times 5$ (for 5mm spacing) $L=(n-1) \times 5.08$ (for 5.08mm spacing)

Ordering Information



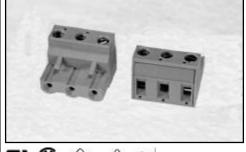
Also available in 10mm and 10.16mm centers.

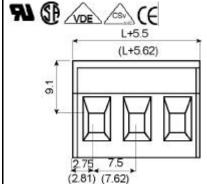
(800)595-8881 www.blockmaster.com

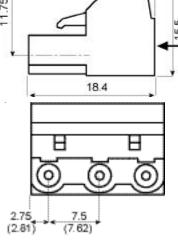
12A 300V

5 and 5.08mm

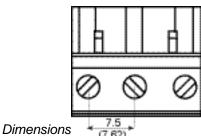
7.5 and 7.62mm







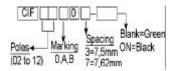
5.25



n=number of poles

 $L=(n-1) \times 7.5$ (for 7.5mm spacing) $L=(n-1) \times 7.62$ (for 7.62mm spacing)

Ordering Information



Specifications: CVF Series

Features:

*CVF is supplied with clamp in the open position

*Left and Right hand versions available

*Double captive screws

*Elevator clamp system

*2 to 25 positions single mold

*Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens

*Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product

*Minimum 5 microns of tin plating on terminal for easy soldering

Electrical

12A @ 300V Current: 12 to 30 AWG Wire range: Wire section(mm²): 0.05 to 2.5mm² <15 $m\Omega$ CR: IR: >109 Ω (500V DC)

-40°C to 110°C Operating temp: Stripping length: 6mm 3.5 in-lb Torque: PCB holes: N/A PCB thickness: N/A

Climactic category: 40/110/21 Acc. to IEC 68-1

max 3 N Insertion force: Disconnecting force:min 1.5 N

Materials

Housina: Polyamide 6,6 (UL94V-0) Clamp: Copper alloy, Ni plated Spring/leaf contact: Phosphorus bronze, Tin plated M3, copper alloy, Ni plated Screw: Colors available: Green is standard

Black is optional

Marking

Numbered marking strips 5 and 5.08mm centers.

Numbered Order Number 1-10 ESA14000110 11-20 ESA14001120 21-30 ESA14002130 31-40 ESA14003140 ESA14004150

Ink marking by factory (specify in order number): Factory ink is permanent and will not rub off. Ink has fluorescent tint for greater visibility.

0=no printing

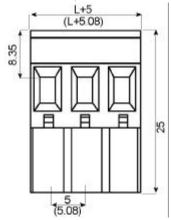
A=upside down printing (consecutive #'s R to L) B=regular printing (consecutive #'s L to R)

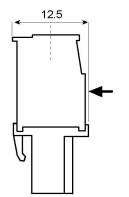
Custom markings are welcome with minimum order. Contact factory for information.

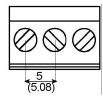
12A 300V

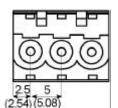










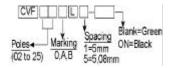


Dimensions

n=number of poles

 $L=(n-1) \times 5$ (for 5mm spacing) $L=(n-1) \times 5.08$ (for 5.08mm spacing)

Ordering Information

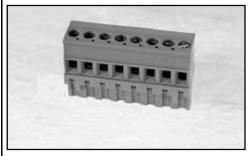


Also available in 10mm and 10.16mm centers.

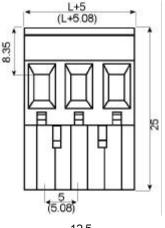
12A 300V

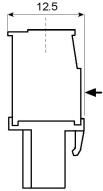
5 and 5.08mm

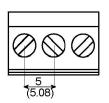
5 and 5.08mm

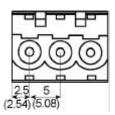










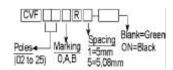


Dimensions

n=number of poles

 $L=(n-1) \times 5$ (for 5mm spacing)

 $L=(n-1) \times 5.08$ (for 5.08mm spacing) Ordering Information



Also available in 10mm and 10.16mm centers.

CVF Left Plug

CVF Right Plug

Specifications: CVF Series

Features:

*CVF is supplied with clamp in the open position *Left and Right hand versions available

*Double captive screws

*Elevator clamp system

*2 to 12 positions single mold

*Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens

*Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product

*Minimum 5 microns of tin plating on terminal for easy soldering

Electrical

Current: 12A @ 300V Wire range: 12 to 30 AWG Wire section(mm2): 0.05 to 2.5mm2 CR: $<15~\text{m}\Omega$ $>10^{9} \Omega (500 V DC)$ IR: -40°C to 110°C Operating temp:

Stripping length: 6mm 3.5 lb-in Torque: PCB holes: N/A PCB thickness: N/A

Climactic category: 40/110/21 Acc. to IEC 68-1

Insertion force: max 3 N Disconnecting force:min 1.5 N

Materials

Housina: Polyamide 6,6 (UL94V-0) Copper alloy, Ni plated Clamp: Spring/leaf contact: Phosphorus bronze, Tin plated M3, copper alloy, Ni plated Screw: Colors available: Green is standard

Black is optional

Marking

Numbered marking strips 7.5 and 7.62mm

centers.

Numbered Order Number 1-10 ESA34000110 11-20 ESA34001120 21-30 ESA34002130

Ink marking by factory (specify in order number): Factory ink is permanent and will not rub off. Ink has fluorescent tint for greater visibility.

0=no printing

A=upside down printing (consecutive #'s R to L) B=regular printing (consecutive #'s L to R)

Custom markings are welcome with minimum order. Contact factory for information.

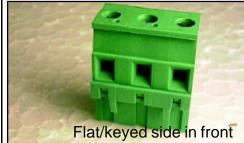
12A 300V

7.5 and 7.62mm

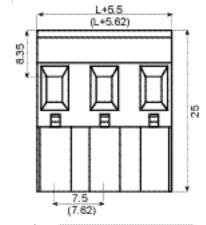


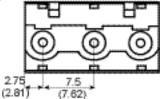
12A 300V

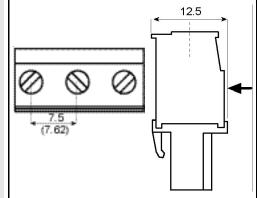
7.5 and 7.62mm



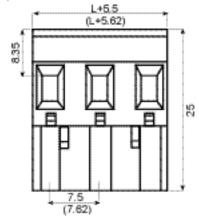
Œ

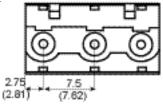


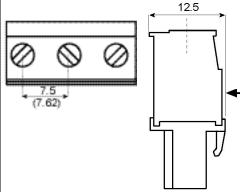




Œ





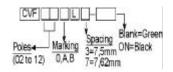


Dimensions

n=number of poles

 $L=(n-1) \times 7.5$ (for 7.5mm spacing) L=(n-1) x 7.62 (for 7.62mm spacing)

Ordering Information

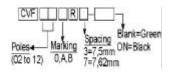


Dimensions

n=number of poles

 $L=(n-1) \times 7.5$ (for 7.5mm spacing) L=(n-1) x 7.62 (for 7.62mm spacing)

Ordering Information



(800)595-8881 www.blockmaster.com

BlockMaster Electronics, Inc.

23

12A 300V

Vertical

Style

0P

closed en

vertical

0Α

Vertical

5 and 5.08mm

Side

8.35

8.35

12A 300V 7.5 and 7.62mm

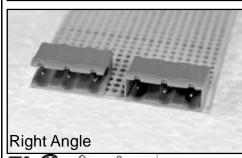
Specifications: CIM Series

Features:

*CIM headers for use with CIF and CVF plugs

- *2 to 25 positions single mold (5/5.08)
- *2 to 12 positions single mold (7.5/7.62)
- *4 Styles available (see chart)
- *Key coding capable
- *Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens.
- *Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product.
- *Minimum 5 microns of tin plating on terminal for easy soldering.

Right Angle



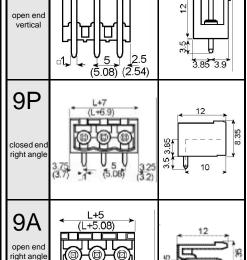
Front

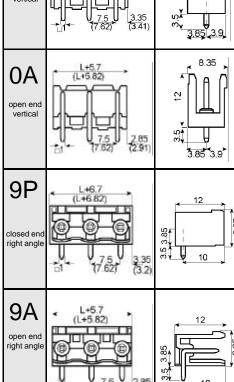
(L+5.08)

L+7

(L+6.9)

FL (§	₽ <u> </u>	
Style	Front	Side
OP	L+6.7 (L+6.82) 7.5 (7.62) (3.41)	21. 21. 21. 21. 21. 21. 21. 21.
OA open end vertical	L+5.7 (L+5.82)	2 2 2





Electrical

Current(5/5.08): 12A @ 300V 12A @ 300V Current(7.5/7.62): Pin dimension: 1mm x 1mm CR: $<15m\Omega$ IR: $>10^{9} \Omega (500 V DC)$

Operating temp: -40°C to +110°C PCB holes: min 1.4mm PCB thickness: max 2.4mm

Climactic category: 40/110/21 Acc. to IEC 68-1

Insertion force: max 3 N Disconnecting force:min 1.5 N

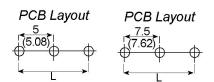
Materials

Housing: Polyamide 6,6 (UL94V-0) Terminal pin: Bronze, Tin plated Green is standard Colors available:

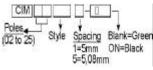
Black is optional

Marking

Consult factory for marking options.



Ordering Information 5 and 5.08



7.5 and 7.62 Spacing Blank=Green Style (02 to 12) 3=7.5mm ON=Black

Dimensions

n=number of poles

 $L=(n-1) \times 5$ (for 5mm spacing)

 $L=(n-1) \times 5.08$ (for 5.08mm spacing) Also available in 10mm and 10.16mm centers.

(800)595-8881 www.blockmaster.com

(5.08) (2.54)

BlockMaster Electronics, Inc.

 $L=(n-1) \times 7.5$ (for 7.5mm spacing) $L=(n-1) \times 7.62$ (for 7.62mm spacing)

Dimensions

n=number of poles

CIM Ejector Headers

5 and 5.08mm

Specifications: CIM-E Series

Features:

*CIM Ejector headers for use with CIF and CVF plugs

12A 300V

*The Ejector eases removal of longer position plugs or plugs in difficult to reach places

*Safer than pulling directly on the plug

*Operated by pressing both red Ejector levers simultaneously

*2 to 21 positions single mold (5/5.08)

*2 Styles available (see chart)

*Key coding capable

*Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens

*Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product

*Minimum 5 microns of tin plating on terminal for easy soldering

Electrical

Current(5/5.08): 12A @ 300V Pin dimension: 1mm x 1mm CR: $<15 m\Omega$

IR: $>10^{9} \Omega$ (500V DC) Operating temp: -40°C to +110°C PCB holes: min 1.4mm PCB thickness: max 2.4mm

Climactic category: 40/110/21 Acc. to IEC 68-1

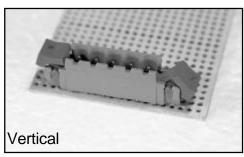
Insertion force: max 3 N Disconnecting force:min 1.5 N

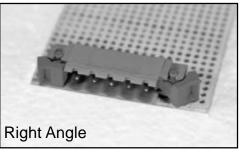
Materials

Housing: Polyamide 6,6 (UL94V-0) Terminal pin: Bronze, Tin plated Colors available: Green is standard Black is optional

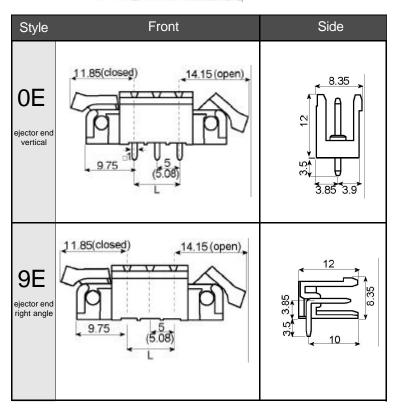
Marking

Consult factory for marking options.







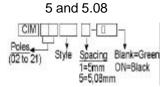




Dimensions n=number of poles $L=(n-1) \times 5$ (for 5mm spacing)

 $L=(n-1) \times 5.08$ (for 5.08mm spacing)

Also available in 10mm and 10.16mm centers.



Ordering Information

Pluggable Terminal Blocks

CPM Dual Tier Headers

CPM Dual Tier Headers

Specifications: CPM Series

Features:

*CPM headers for use with CIF and CVF plugs *Dual tier allows more contacts in smaller PCB space

- *Offset pins
- *2 to 25 positions single mold (5/5.08) for closed end
- *2 and 3 positions modular (5/5.08) for open end
- *4 Styles available (see chart)
- *Key coding capable
- *Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens.
- *Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product.
- *Minimum 5 microns of tin plating on terminal for easy soldering.

Electrical

Operating temp: -40°C to +110°C
PCB holes: min 1.4mm
PCB thickness: max 2.4mm

Climactic category: 40/110/21 Acc. to IEC 68-1

Insertion force: max 3 N Disconnecting force:min 1.5 N

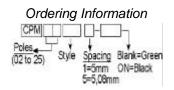
Materials

Housing: Polyamide 6,6 (UL94V-0)
Terminal pin: Bronze,Tin plated
Colors available: Green is standard
Black is optional

Marking

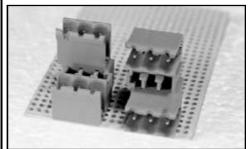
Consult factory for marking options.

Right Angle Vertical PCB Layout PCB Layout

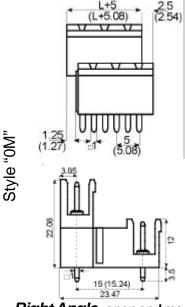


12A 300V

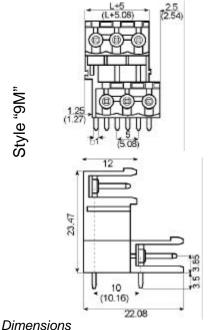
Œ



Vertical, open end modular



Right Angle, open end modular



n=number of poles

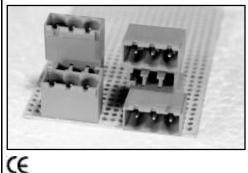
L=(n-1) x 5 (for 5mm spacing)

L=(n-1) x 5.08 (for 5.08mm spacing)
Also available in 10mm and 10.16mm centers.

12A 300V

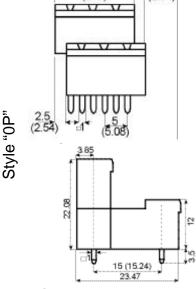
5 and 5.08mm

5 and 5.08mm

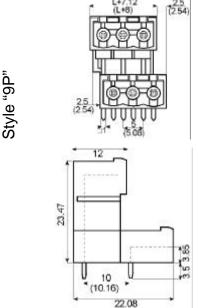


Vertical, closed end

(L+8)



Right Angle, closed end



Dimensions n=number of poles

L=(n-1) x 5 (for 5mm spacing)

L=(n-1) x 5.08 (for 5.08mm spacing)
Also available in 10mm and 10.16mm centers.

CTF Plug

CTF Plug w/Screw Flange

Specifications: CTF Series

Features:

*CTF is supplied with clamp in the open position

*Double captive screws

*2 to 25 positions single mold

*Elevator clamp system

*Use with CTM headers

*Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens

*Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product

*Minimum 5 microns of tin plating on terminal for easy soldering

*3.5 or 3.81mm spacing

*Locking screw flange available

Electrical

Stripping length: 5mm
Torque: 0.25Nm
PCB holes: N/A
PCB thickness: N/A

Climactic category: 40/110/21 Acc. to IEC 68-1

Materials

Housing: Polyamide 6,6 (UL94V-0)
Clamp: Copper alloy, Ni plated
Spring/leaf contact: Phosphorus bronze,Tin plated
Screw: M2, copper alloy, Ni plated

Colors available: Green is standard

Black is optional

Marking

Ink marking by factory (specify in order number): Factory ink is permanent and will not rub off. Ink has fluorescent tint for greater visibility.

0=no printing

A=upside down printing (consecutive #'s R to L) B=regular printing (consecutive #'s L to R)

Custom markings are welcome with minimum order. Contact factory for information.

8A 250V



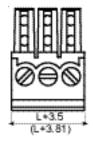
8A 250V

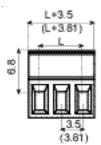
3.5 and 3.81mm

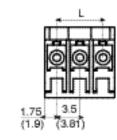
3.5 and 3.81mm

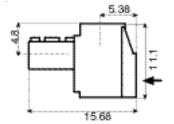


Œ









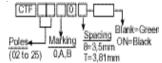
Dimensions

n=number of poles

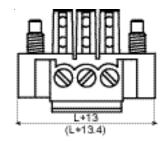
 $L=(n-1) \times 3.81$

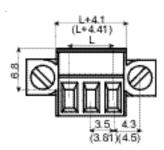
 $L=(n-1) \times 3.5$

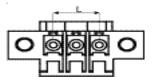
Ordering Information

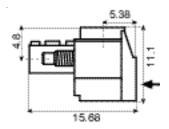


Œ









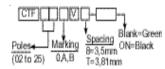
Dimensions

n=number of poles

L=(n-1) x 3.81

L=(n-1) x 3.5

Ordering Information



Ordening initormation

(800)595-8881 www.blockmaster.com

MSD Series

302/312 Series

Specifications: MSD Series

Features:

- Smallest Spacing Available
- MSD is supplied with clamp in the open position
- Double captive screws
- Elevator clamp system
- Testing points
- 2 to 12 positions single mold
- Housing is resistant to chlorinated solvents, with no dioxin or detrimental to health halogens
- Every position of this product is mechanically and electrically tested during assembly to ensure a 100% defect free product
- Minimum 5 microns of tin plating on terminal for easy soldering

Electrical

Current: 10A @ 150V
Wire Range: 16-30 AWG
Wire Section: (mm²) 0.05 to 1.3mm²
Pin Dimension: 0.8mm x 0.4mm
CP: 0.8mm x 0.4mm

CR: <15m IR: >10M (500V DC)

Operating temp: -40°C - +110°C
Stripping Length: 4mm
Torque: 0.13 Nm
PCB Holes: min 1.1mm
PCB Thickness: max 2.3mm

Climatic Category: 40/110/21 Acc. To IEC 68-1

Materials

Housing: Polyamide 6,6 (UL 94V-O)
Clamp: Copper Alloy, NI plated
Terminal: Copper Alloy, Tin-plated
Screw: M1.6, Copper Alloy, Ni plated

Marking

Adhesive strips not available

<u>Ink marking by factory</u> (specify in order number): Factory ink is permanent and will not rub off. Ink has fluorescent tint for greater visibility

0 = no printing

A= upside down printing (consecutive #'s R to L) B= regular printing (consecutive #'s L to R)

Specifications: 301/312 Series

Features:

- Small 3.5mm spacing
- Modular design, black color
- Economical wire protector termination

Electrical

Current: 7A @ 250V Wire Range: 18 to 26 AWG Pin Dimension: 0.9mm CR: <15m

CR: <15m IR: >5000M (500V DC) Operating Temp: -55°C -+105°C

Operating Temp: -55°C - +10
Stripping Length: 4.5mm
Torque: 2.5 lb-in.
PCB holes min 1.2mm

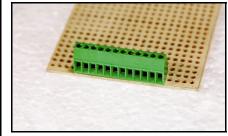
Materials

Housing: Nylon FR15-UL94V0
Metal Housing: Brass, Cu, tin plated
Wire Guard: Stainless steel
Terminal: Brass, Tin plated

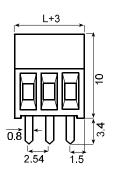
Screw: M2, steel, zinc plated, yellow chromated

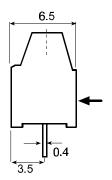
10A 150V









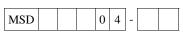






 $\begin{aligned} & \textit{Dimensions} \\ & n = \text{number of poles} \\ & L = (n-1) \text{ x } 2.54 \end{aligned}$

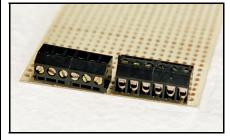
Ordering Information



Poles Marking

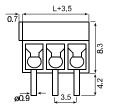
Blank = Green ON = Black 7A 250V

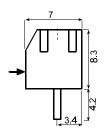
3.50 mm



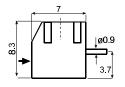


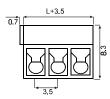
302 Series (vertical)





312 Series (right angle)

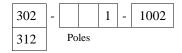






Dimensions n = number of poles $L=(n-1) \times 3.5$

Ordering Information



BlockMaster Electronics, Inc.

(800) 595-8881

OULP-947 Series

OULP-948 Series

Specifications: OULP-947 Series

Features:

- Tri-Barrier Construction
- UL Recognized
- M4 Screws
- High Current Rated for 30A

Electrical:

Current: 30A @ 300V
Wire Range: 10 - 12 AWG
Pin Dimension: 2mm x 1mm
IR: >10 (1000V DC)
Operating temp: -40°C - +90°C

Materials:

Housing: PBT (UL 94V-O)
Terminal: Brass tin-plated
Screw: M4 Steel, Ni plated

Positions Available: 2-25

Specifications: **OULP-948 Series**

Features:

- Tri-Barrier Construction
- Staggered Pin Configuration
- High Voltage Rated for 600V
- UL Recognized
- M4 Screws
- High Current Rated for 30A

Electrical:

Current: 30A @ 600V
Wire Range: 10 - 12 AWG
Pin Dimension: 2mm x 1mm
IR: >10 (1000V DC)
Operating temp: -40°C - +90°C

То

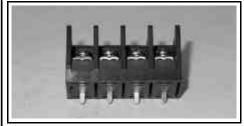
Materials:

Housing: PBT (UL 94V-O)
Terminal: Brass tin-plated
Screw: M4 Steel, Ni plated

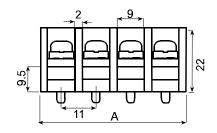
Positions Available: 2-25

30A 300V

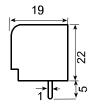
11 mm (.433")



71

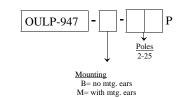






Dimensions
n= number of poles
A=(nx11) + 2

Ordering Information

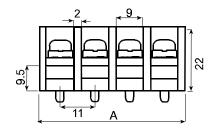


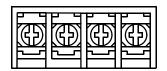
30A 600V

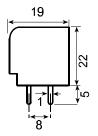
11 mm (.433")



A)

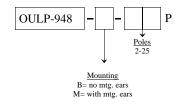






Dimensions
n= number of poles
A=(nx11) + 2

Ordering Information



DT66 Series

Specifications: **DT66 Series**

Features:

- Barrier Construction
- UL & CUL Recognized
- Vertical Mount
- Two Pins per Pole
- M4 Screws
- High Current Rated for 40A

Electrical:

Current: 40A @ 600V
Wire Range: 10-18 AWG
Pin Dimension: 1mm x 1.3mm
IR: >10 (500V DC)
Operating temp: -40°C - +130°C

Materials:

Housing: Polyester (UL 94V-O)
Terminal: Brass tin-plated
Screw: M4 Steel, Ni plated

Positions Available: 2-24

Specifications: DT7C Series

Features:

- Barrier Construction
- UL & CUL Recognized
- Vertical Mount
- Two Pins per Pole
- Cover Included
- M4 Screws
- High Current Rated for 40A

Electrical:

Current: 40A @ 600V
Wire Range: 10-18 AWG
Pin Dimension: 2mm x 1mm
IR: >10 (500V DC)
Operating temp: -40°C - +130°C

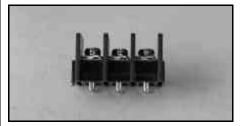
Materials:

Housing: Polyester (UL 94V-O)
Terminal: Brass tin-plated
Screw: M4 Steel, Ni plated

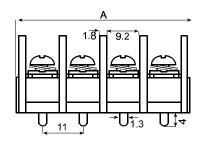
Positions Available: 2-12

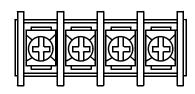
40A 600V

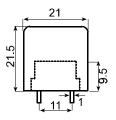
11 mm (.433")



RIR



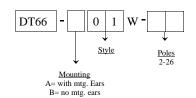




Dimensions

n= number of poles A=(nx11)+3

Ordering Information

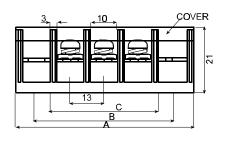


40A 600V

13 mm (.512")



IR IR



Style	Front	Side
01		18
Centerline PC	<u> </u>	
02	0	18
Solder tail	4 -	17 EOI
14	M	18
Right Angle PC	Ⅱ	3.5

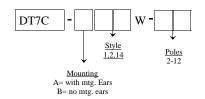
Dimensions

n= number of poles

A=(nx13) + 29 (total length w/ mtg ends)

 $B=(n+1) \times 13$ (mounting end centers) $C=(n\times 13) \div 3$ (total length no mtg ends)

Ordering Information



Specifications: OTB-910 Series

Features:

- Barrier Construction
- UL Recognized
- Two Pins Per Pole
- Optional Cover Available
- With or Without Mounting Ears
- Vertical or Right Angle Mount
- High Current Rated for 60A
- Accepts # 6 AWG Wire

Electrical:

Current: 60A @ 600V Wire Range: 6 AWG

Pin Dimension: 4.5mm x 1.2mm IR: >10 (1000V DC) Operating temp: $-40^{\circ}\text{C} - +90^{\circ}\text{C}$

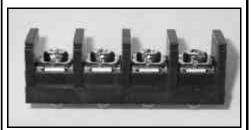
Materials:

Housing: PBT (UL 94V-O)
Terminal: Brass tin-plated
Screw: M5 Steel, Ni plated

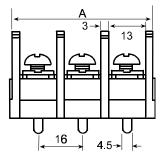
Positions Available: 2-20

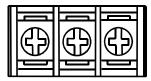
60A 600V

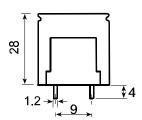
16 mm (.630")



R

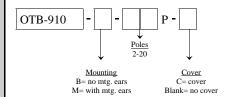






Dimensions n= number of poles A=(nx16) + 3.4

Ordering Information

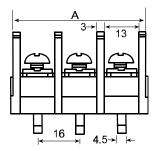


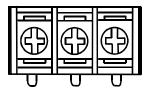
60A 600V

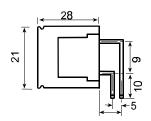
16 mm (.630")



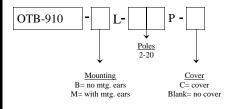
R







Dimensions
n= number of poles
A=(nx16) + 3.4



OPF-01 Series

OTB-1500 Series

Specifications: **OPF-01 Series**

Features:

- Barrier Construction
- Compliant pins—no soldering required - Press fit into PCB
- UL Recognized
- Cover Included
- High Current Rated at 30A
- Accepts # 8 AWG Wire

Electrical:

Current: 30A @ 600V
Wire Range: 8 - 16 AWG
IR: >10 (1000V DC)
Operating temp: -40°C - +90°C

Materials:

Housing: PBT (UL 94V-O)
Terminal: Brass tin-plated
Screw: M5 Steel, Ni plated

Positions Available: 5

Specifications: OTB-1500 Series

Features:

- Barrier Construction
- UL & CUL Recognized
- Four Pins Per Pole
- Optional Cover Available
- With or Without Mounting Ears
- High Current Rated at 130A
- Accepts # 1 AWG Wire

Electrical:

Current: 130A @ 600V
Wire Range: 3 - 1 AWG
Pin Dimension: 3.6mm x 1.6mm
IR: >10 (500V DC)
Operating temp: -40°C - +90°C

Materials:

Housing: PBT (UL 94V-O)
Terminal: Brass tin-plated
Screw: M8 Steel, Ni plated

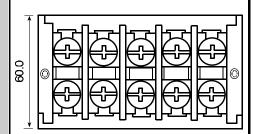
Positions Available: 2-8

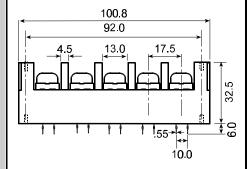
30A 300V

17.5 mm (.689")



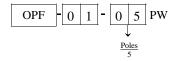
R





Compliant Pins Press Fit into PCB Press Fit into Pcduired No Soldering Required

Ordering Information

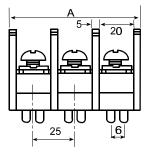


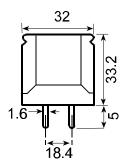
130A 600V

25 mm (.984")

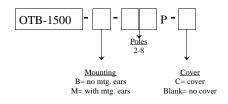


RR





Dimensions
n= number of poles
A=(nx25) + 5



30A 300V

11 mm (.433")

Specifications: **OULP-930 Series**

Features:

- Barrier Construction
- UL Recognized
- Vertical Mount
- Two Pins per Pole
- Optional Cover Available
- M4 Screws
- High Current Rated for 30A

Electrical:

Current: 30A @ 300V Wire Range: 10-12 AWG Pin Dimension: 2mm x 1mm IR: >10 (1000V DC)

Operating temp: $-40^{\circ}\text{C} - +90^{\circ}\text{C}$

Materials:

Housing: PBT (UL 94V-O)
Terminal: Brass tin-plated
Screw: M4 Steel, Ni plated

Positions Available: 2-25

Specifications: **OULP-936 Series**

Features:

- Barrier Construction
- UL Recognized
- Right Angle Mount
- Two Pins per Pole
- Optional Cover Available
- M4 Screws
- High Current Rated for 40A

Electrical:

Current: 40A @ 300V Wire Range: 10-12 AWG Pin Dimension: 2mm x 1mm

IR: >10 (1000V DC)

Operating temp: $-40^{\circ}\text{C} - +90^{\circ}\text{C}$

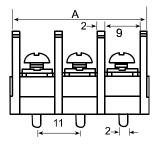
Materials:

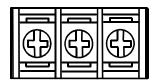
Housing: PBT (UL 94V-O)
Terminal: Copper tin-plated
Screw: M4 Steel, Ni plated

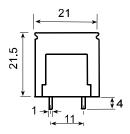
Positions Available: 2-25



Al

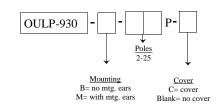






Dimensions n= number of poles A=(n x 11) + 2.6

Ordering Information

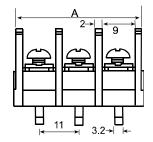


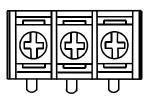
40A 300V

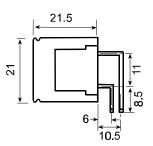
11 mm (.433")



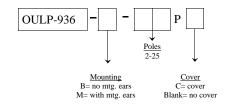
71







Dimensions
n= number of poles
A=(n x 11) + 2.6



OTB-358 Series

OTB-359 Series

Specifications: OTB-358 Series

Features:

- Thru-Panel Barrier Construction
- UL & CUL Recognized
- Cover Included
- M5 Screws
- High Current Rated for 60A
- Accepts # 3 AWG Wire

Electrical:

Current: 60A @ 600V Wire Range: 3 - 10 AWG (500V DC) IR: >10 Operating temp: -40°C - +90°C

Materials:

Housing: PBT (UL 94V-O) Terminal: Brass Ni plated M5 Steel, Ni plated Screw:

Positions Available: 2-15

Specifications: OTB-359 Series

Features:

- Thru-Panel Barrier Construction
- UL & CUL Recognized
- Cover Included
- M6 Screws
- High Current Rated for 75A
- Accepts # 3 AWG Wire

Electrical:

Current: 75A @ 600V Wire Range: 3 - 10 AWG >10 (500V DC) -40°C - +90°C Operating temp:

Materials:

Housing: PBT (UL 94V-O) Terminal: Brass Ni plated M6 Steel, Ni plated Screw:

Positions Available: 2-15

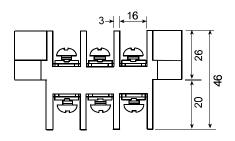
60A 600V

16 mm (.629")



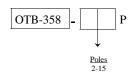
IR IR





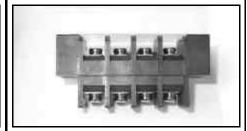
Dimensions n= number of poles L=(nx16) + 29

Ordering Information

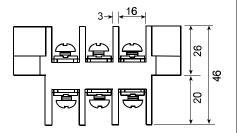


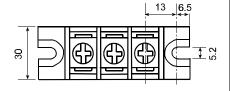
75A 600V

16 mm (.629")



IR IR





Dimensions n= number of poles L=(nx16) + 29



206 Series

830 Series

30A 600V

10 mm (.394")

16A 600V 12 mm (.472")

Specifications: 206 Series

Features:

- **Euro-Strip Construction**
- High Foot Base Keeps Power Away From Mounting Surface
- UL & CUL Recognized
- Captive Screws M3 x 6
- Accepts # 12 AWG Wire

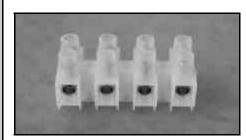
Electrical:

30A @ 600V Current: 10 - 22 AWG Wire Range: >10 (1000V DC) -40°C - +100°C Operating temp:

Materials:

Housing: Polyamide 6,6 (UL 94V-2) Terminal: Brass nickel-plated Screw: Steel, Zinc plated

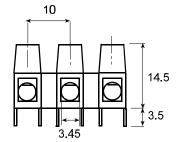
Positions Available: 2-12

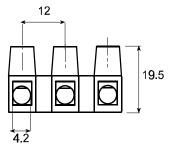


IR IR



AI





Specifications: 830 Series

Features:

- **Euro-Strip Construction**
- **UL** Recognized
- Captive Screws M3.5 x 7.2
- Accepts # 10 AWG Wire

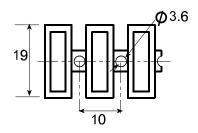
Electrical:

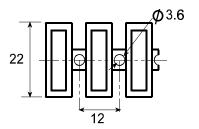
Current: 16A @ 600V Wire Range: 10 - 22 AWG >10 (1000V DC) -40°C - +100°C Operating temp:

Materials:

Housing: Polyamide 6,6 (UL 94V-2) Brass nickel-plated Terminal: Steel, Zinc plated Screw:

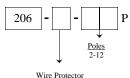
Positions Available: 2-12





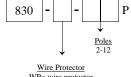
Dimensions n= number of poles L=(nx10) - 3.5

Ordering Information



Wire Protector WP= wire protector Blank= no wire protector **Dimensions** n= number of poles L=(nx12) - 4.5

Ordering Information



WP= wire protector Blank= no wire protector

210 Series

216 Series

25A 600V

12 mm (.472")

63A 600V 15 mm (.590")

Specifications: 210 Series

Features:

- **Euro-Strip Construction**
- High Foot Base Keeps Power Away From Mounting Surface
- **UL** Recognized
- Captive Screws M3.5 x 7.2
- Accepts # 10 AWG Wire

Electrical:

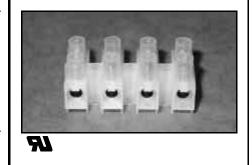
25A @ 600V Current: 18 - 10 AWG Wire Range: >10 (1000V DC) Operating temp: -40°C - +100°C

Materials:

Housing: Polyamide 6,6 (UL 94V-2) Terminal: Brass nickel-plated Screw: Steel, Zinc plated

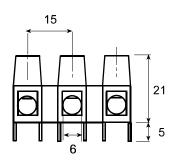
Positions Available: 2-12

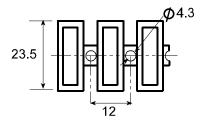
W

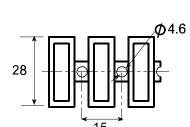


17.5

12







Specifications: 216 Series

Features:

- **Euro-Strip Construction**
- **UL** Recognized
- High Foot Base Keeps Power Away From Mounting Surface
- **UL** Recognized
- Captive Screws M4 x 9
- Accepts # 6 AWG Wire

Electrical:

63A @ 600V Current: Wire Range: 14 - 6 AWG >10 (1000V DC) -40°C - +100°C Operating temp:

Materials:

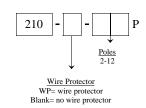
Housing: Polyamide 6,6 (UL 94V-2) Terminal: Brass nickel-plated

Steel, Zinc plated Screw:

Positions Available: 2-12

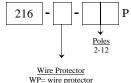
Dimensions n= number of poles $L=(n-1) \times 12$

Ordering Information



Dimensions n= number of poles $L=(n-1) \times 15$

Ordering Information



WP= wire protector Blank= no wire protector

TB-25 Series

500 Series

Al VDE

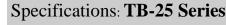
10

30A 125V

12 mm (.472") 10A

10A 600V

10 mm (.394")



Features:

- Dual Row Barrier Construction
- Snap in Cover Included
- M4 Screws
- High Current Rated for 30A
- Accepts # 12 AWG Wire

Electrical:

Current: 30A @ 125V Wire Range: 18 - 12 AWG IR: >10 (1000V DC) Operating temp: -40°C - +90°C

Materials:

Housing: PBT (UL 94V-O)
Terminal: Brass tin-plated
Screw: M4 Steel, Ni plated

Positions Available: 3, 4, 6, 12

Specifications: 500 Series

Features:

- Euro Strip Construction
- UL & VDE Recognized
- M3 Screws
- Rated for 10A
- Accepts # 12 AWG Wire

Electrical:

Current: 10A @ 600V Wire Range: 22 – 12 AWG IR: >10 (1000V DC) Operating temp: -40°C - +90°C

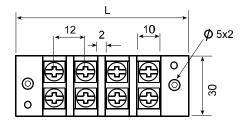
Materials:

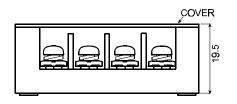
Housing: PBT (UL 94V-O)
Terminal: Brass tin-plated
Screw: M3 Steel, Ni plated

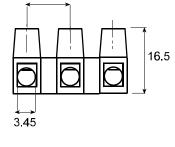
Positions Available: 2-12

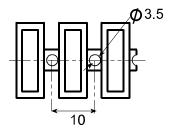


Agency Approval Applied for







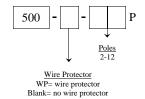


Dimensions n= number of poles L=(nx12) + 20.5

Ordering Information



Dimensions
n= number of poles
L=(nx10) - 3.5



C31M Series

C34M Series

Specifications: C31M Series

Features:

- Modular Barrier Construction
- Integral Hinged Cover
- 2 and 3 Position Single Mold
- UL & CUL Recognized
- Six Terminal Options
- M3 Screws

Electrical:

Current: 10A @ 300V Wire Range: 16-22 AWG IR: >10 (500V DC) Operating temp: -40°C - +105°C

Materials:

Housing: Polyamide 66 (UL 94V-O)
Terminal: Brass tin-plated
Screw: M3 Steel, Ni plated

Positions Available: 2-24

Specifications: C34M Series

Features:

- Modular Barrier Construction
- Integral Hinged Cover
- 2 and 3 Position Single Mold
- UL & CUL Recognized
- Six Terminal Options
- M3.5 Screws

Electrical:

Current: 15A @ 300V Wire Range: 14-22 AWG IR: >10 (500V DC) Operating temp: -40°C - +105°C

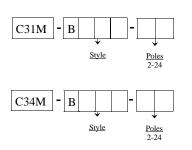
Materials:

Housing: Polyamide 66 (UL 94V-O)

Terminal: Brass tin-plated Screw: M3.5 Steel, Ni plated

Positions Available: 2-24

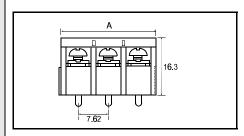
Ordering Information



10A 300V 7.62 mm (.300")



IR IR



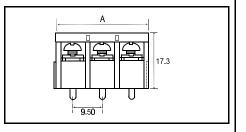
Style	Front	Side
BM11		14.0
Centerline PC	<u></u>	0.8→1+
BM14	16.3	14.0
Wire Wrap	1.2	1
BM23	16.3	14.0
Solder Tail	3.6	Sol
BM32	16.3	14.0
Extended Centerline PC	8.1.2 → €	81
BP32	1.2	5
Right Angle PC Mount	14.0	14.0
BS11		14.0
Off-center PC Mount	<u></u>	0.8→┃←\$∨

Dimensions n= number of poles A=(n x 7.62) 15A 300V

9.50 mm (.375")



RR



Style	Front	Side
BM11	7.3	16.5
Centerline PC	1.2	0.8→
BM14	<u> </u>	16.5
Wire Wrap	1.2	<u> </u>
BM23		16.5
Solder Tail	3.6	13.55 ES
BM32	<u> </u>	16.5
Extended Centerline PC	1.2	<u> </u>
BP32	1.2	*5 =
Right Angle PC Mount	16.5	16.5 16.5
BS11	<u> </u>	16.5
Off-center PC Mount		0.8→11←30

Dimensions
n= number of poles
A=(n x 9.5)

Barrier Terminal Blocks

DT31 Series

DT43 Series

Specifications DT31 Series

Features:

*Standard PC pin terminal block

*Regular barrier construction

*Off-center pins

*Open botton construction

*#6-32 screws

*Accepts #12 wire

Electrical

Current: 20A @ 300V Wire range: 12 to 22 AWG Pin dimension: 0.8mm x 1.4mm Withstanding voltage:2000V AC per min. >500MΩ (500V DC) -40° C to +105° C Operating temp:

Materials

Torque:

Housing: Polyamide 6,6 (UL94V-0) Terminal: Brass, Tin plated

#6-32 combo head w/captive Screw:

8.5 lb-in

sems plate Screw material Steel, Ni plated

Positions available: 2 to 30 no mounting ends

Mounting ends: Not available

Specifications DT43 Series

Features:

*Standard PC pin terminal block

*Regular barrier construction

*Centerline pins

*Closed botton construction

*#6-32 screws

*Accepts #12 wire

Electrical

21A @ 300V Current: 12 to 22 AWG Wire range: Pin dimension: 0.8mm x 1.6mm Withstanding voltage:2000V AC per min. >500MΩ (500V DC) Operating temp: -40° C to +105° C

12 lb-in Torque:

Materials

Housina: Polyamide 6,6 (UL94V-0) Terminal: Brass, Tin plated

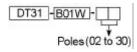
#6-32 combo head w/captive Screw:

sems plate Screw material Steel, Ni plated

Positions available: 2 to 30 no mounting ends

Not available Mounting ends:

Ordering Information

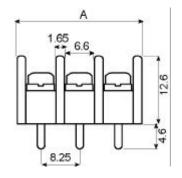


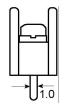


8.25mm (.325") 20A 300V



FD LIP



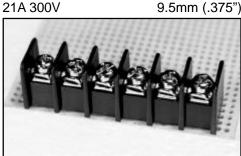




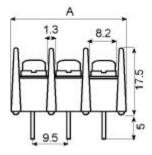


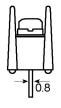
Dimensions n=number of positions $A=(n \times 8.25) + 2$

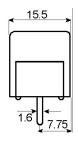
21A 300V



71 (P)







Regular Barrier

Dimensions n=number of positions $A=(n \times 9.5) + 2$

DT35 Series

DT39 Series

20A 300V

Specifications **DT35 Series**

Features:

- *Regular barrier construction
- *Mounting ends available
- *UL and CSA recognized
- *5 pin styles to choose from
- *Accepts #12 AWG

Electrical

20A @ 300V Current: Wire range: 12 to 22 AWG Withstanding voltage:2000V AC per min. >1000MΩ (500V DC) -40° C to +105° C Operating temp:

Torque: 12 lb-in

Materials

Housing: Polyamide 6,6 (UL94V-0) Terminal: Brass, Tin plated Screw: M3 combo head w/captive sems plate

Steel, Ni plated Screw material

Positions available: 2 to 26 with mounting ends 2 to 28 no mounting ends

Mounting ends: Available/ \$\psi 3.5mm

Specifications DT39 Series

Features:

*Tri-barrier construction *UL and CSA recognized *2 pin styles to choose from *Accepts #12 AWG

Electrical

Current: 20A @ 300V Wire range: 12 to 22 AWG Withstanding voltage: 2000V AC per min. >1000MΩ (500V DC) Operating temp: -40° C to +105° C Torque: 12 lb-in

Materials

Housing: Polyamide 6,6 (UL94V-0) Terminal: Brass, Tin plated

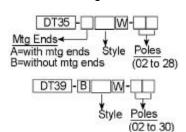
Screw: M3 combo head w/captive

sems plate Screw material Steel, Ni plated

Positions available: 2 to 30 no mounting ends

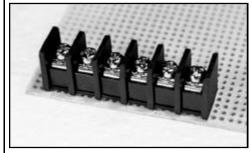
Mounting ends: Not available

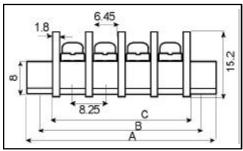
Ordering Information

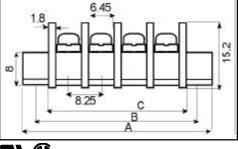


20A 300V

8.25mm (.325")

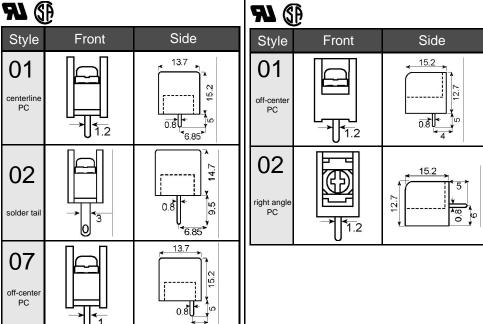






4.0	1.25 8.25 A	7,
71 (§	<u> </u>	
Style	Front	Side

8.25mm (.325")



13.7

16.85

5

Tri-Barrier

Dimensions n=number of positions

14

right angle

25

ight angle

PC long

C short bend

 $A=(n \times 8.25) + 16.5$ (total length w/ mtg ends) $B=(n + 1) \times 8.25$ (mounting end centers)

 $C=(n \times 8.25) + 2$ (total length no mtg. ends)

Dimensions n=number of positions $A=(n \times 8.25) + 1.25$

15A 250V

15A 250V

8.25mm (.325")

Specifications *HD81 Series*

Features:

*Regular barrier construction *Mounting ends available *2 pin styles to choose from

Electrical

Current: 15A @ 250V Wire range: 14 to 18 AWG Withstanding voltage:2000V AC per min. >500MΩ (500V DC) Operating temp: -40° C to +95° C Torque: 7 lb-in

Materials

Housing: Thermoplastic (UL94V-0) Terminal: Brass, Tin plated

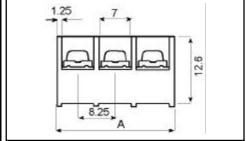
M3 combo head w/captive Screw: sems plate

Screw material Steel, Ni plated

Positions available: 2 to 28 with mounting ends 2 to 30 no mounting ends

Mounting ends: Available/ \$\phi 3.2mm

8.25



*R*J

Style	Front	Side
6 off-center PC	→	0.8
7 off-center wire wrap	1.5	0.8

AI

-		
Style	Front	Side
1 off-center PC	→ 1 _{1,2}	15.5
2 right angle PC	⊘ 1.2	5 15.5 8 15.5 0 15.5
right angle solder tail	⊗	10 15.5
4 rear exit PC	→ <u>1</u> 2.5	5 15.5

Specifications HD83 Series

Features:

*Tri-barrier construction

*4 pin styles to choose from

*Gold plated terminals available

Electrical

Current: 15A @ 250V Wire range: 14 to 18 AWG Withstanding voltage:2000V AC per min. >500MΩ (500V DC) Operating temp: -40° C to +95° C

7 lb-in Torque:

Materials

Housing: Thermoplastic (UL94V-0) Terminal:

Brass, Tin plated

Gold flash (HD833, HD834) Screw: M3 combo head w/captive

sems plate

Screw material Steel, Ni plated

Gold flash (HD833, HD834)

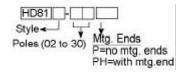
Positions available: 2 to 30 no mounting ends Available with bushings (832, Mounting ends:

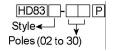
833, 824)

Regular Barrier

Tri-Barrier

Ordering Information





Dimensions

n=number of positions

 $A=(n \times 8.25) + 18.5$ (total length w/ mtg ends)

 $B=(n + 1) \times 8.25$ (mounting end centers) $C=(n \times 8.25) + 2$ (total length no mtg. ends)

Dimensions

n=number of positions $A=(n \times 8.25) + 1.25$

DT45 Series

DT49 Series

25A 300V 9.5mm (.375")

Specifications **DT45 Series**

Features:

- *Regular barrier construction
- *Mounting ends available
- *UL and CSA recognized
- *4 pin styles to choose from
- *Accepts #12 AWG

Electrical

25A @ 300V Current: 12 to 22 AWG Wire range: Withstanding voltage:2000V AC per min. >1000MΩ (500V DC) IR: -40° C to +105° C Operating temp:

Torque: 10lb-in

Materials

Housing: Polyamide6,6 (UL94V-0) Terminal: Brass, Tin plated

M3.5 combo head w/captive Screw:

sems plate Screw material Steel, Ni plated

2 to 28 with mounting ends Positions available:

2 to 30 no mounting ends

Mounting ends: Available/ \phi3.5mm

Specifications **DT49 Series**

Features:

- *Tri-barrier construction
- *UL and CSA recognized
- *2 pin styles to choose from
- *Accepts#12 AWG
- *#6-32 screws

Electrical

Current: 25A @ 300V Wire range: 12 to 22 AWG Withstanding voltage:2000V AC per min. >1000MΩ (500V DC) Operating temp: -40° C to +105° C

Torque: 10lb-in

Materials

Housing: Polyamide 6,6 (UL94V-0)

Brass, Tin plated Terminal:

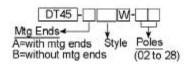
Screw: #6-32 combo head w/captive

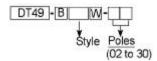
sems plate Screw material Steel, Ni plated

2 to 30 no mounting ends Positions available:

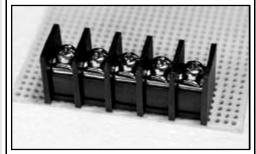
Mounting ends: Not available

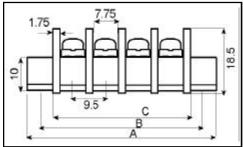
Ordering Information





9.5mm (.375") 25A 300V

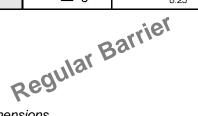




FL (F)

95 **FL** (F) Side Style Front 17.8 01 off-center

Style Front Side 16.5 01 centerline 111.6 16.5 02 solder tai 3.6 8.25 16.5 06 off-center 0.8 16.5 14 right angle PC short bend *8.25



Dimensions

n=number of positions

 $A=(n \times 9.5) + 19$ (total length w/ mtg ends)

 $B=(n + 1) \times 9.5$ (mounting end centers)

 $C=(n \times 9.5) + 2$ (total length no mtg. ends)

Tri-Barrier

100

Dimensions

02

ight angle

n=number of contact positions $A=(n \times 9.5) + 1.5$

(800)595-8881 www.blockmaster.com

BlockMaster Electronics, Inc.

HI20 Series

HB95 Series

10A 250V

Specifications *HI20 Series*

Features:

*Regular barrier construction

*Mounting ends available

*UL recognized

*5 pin styles to choose from

Electrical

Current: 10A @ 250V Wire range: 14 to 22 AWG Withstanding voltage:2000V AC per min. >500MΩ (500V DC) -40° C to +105° C Operating temp:

Torque: 8lh-in

Materials

Housing: Thermoplastic (UL94V-0) Terminal: Brass, Tin plated Screw: M3.5 combo head w/captive sems plate

Screw material Steel, Ni plated

Positions available: 2 to 26 with mounting ends

2 to 28 no mounting ends

Available/ \$3.3mm Mounting ends:

Specifications **HB95 Series**

Features:

*Regular barrier construction *Mounting ends available

*UL and CSA recognized *4 pin styles to choose from

*Gold plating available

Electrical

10A @ 250V Current: Wire range: 14 to 22 AWG Withstanding voltage:2000V AC per min. >500MΩ (500V DC) -40° C to +85° C Operating temp:

Torque: 12lb-in

Materials

Screw material

Housing: Thermoplastic (UL94V-0) Terminal: Brass, Tin plated

Gold flash (HB953, HB954)

Screw: M3.5 combo head w/captive

sems plate Steel, Ni plated

Gold flash (HB953, HB954)

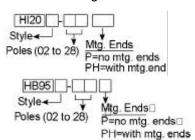
Positions available: 2 to 26 with mounting ends

2 to 28 no mounting ends

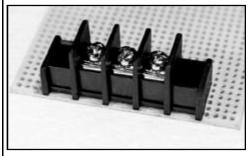
Mounting ends: Available with bushings (952,

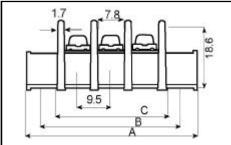
953, 954)

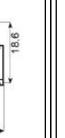
Ordering Information

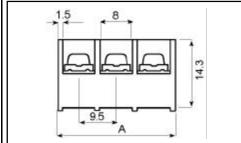


9.5mm (.375") 10A 250V



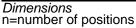






9.5mm (.375")

Style	Front	Side
1 centerline PC	1.6	16.5 0.8
2 short wire wrap	3	01 0.8
right angle PC short bend	5	5 16.5
5 solder tail	3.5	0.8
6 extended wire wrap	1.6	0.8



 $A=(n \times 9.5) + 21$ (total length w/ mtg ends) $B=(n + 1) \times 9.5$ (mounting end centers) $C=(n \times 9.5) + 2$ (total length no mtg. ends)

P

	~	
Style	Front	Side
off-center PC	1.2	17.6 17.6 17.8 12.6
2 right angle PC	⊘	6 17.6
3 right angle solder tail	4.3	10 17.6
rear exit with upward bend	→ 12.5	17.6

Tri-Barrier

Dimensions

n=number of contact positions

 $A=(n \times 9.5) + 1.5$

BlockMaster Electronics, Inc.

(800)595-8881 www.blockmaster.com

42

FTB80 Series

FTB70 Series

er.

Specifications *FTB80 Series* Features:

- *Regular barrier construction
- *Mounting ends available
- *UL recognized
- *4 pin styles to choose from

Electrical

Current: 10A @ 250V Wire range: 16 to 22 AWG Withstanding voltage:2000V AC per min. IR: $>500M\Omega$ (500V DC) Operating temp: -40° C to $+95^{\circ}$ C Torque: 7lb-in

Materials

Housing: Thermoplastic (UL94V-0)
Terminal: Brass, Tin plated
Screw: M3 combo head w/captive

sems plate

Screw material Steel, Ni plated
Positions available: 2 to 24 with or without

mounting ends

Mounting ends: Available/ \$43.2mm

Specifications FTB70 Series

Features:

- *Regular barrier construction
- *Mounting ends available
- *UL recognized
- *4 pin styles to choose from

Electrical

 $\begin{tabular}{lll} Current: & 10A @ 250V \\ Wire range: & 16 to 22 AWG \\ Withstanding voltage: 2000V AC per min. \\ IR: & >500M\Omega \ (500V DC) \\ Operating temp: & -40^{\circ} C \ to +95^{\circ} C \\ Torque: & 7lb-in \\ \end{tabular}$

Materials

Housing: Thermoplastic (UL94V-0)
Terminal: Brass, Tin plated
Screw: M3 combo head w/captive

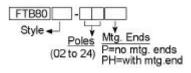
sems plate

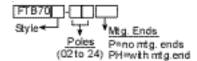
Screw material Steel, Ni plated
Positions available: 2 to 24 with or without

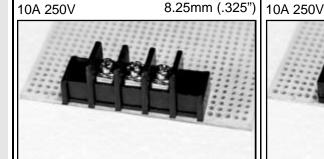
mounting ends

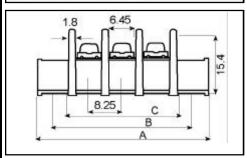
Mounting ends: Available/ \$3mm

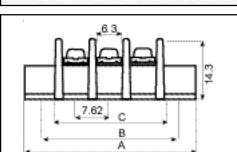
Ordering Information











7.62mm (.300")

۹	ı	٠	١	è	ı
•	1	۲	٠	1	۱
	-	•	•		

Style	Front	Side
right angle PC	3.3	14
2 centerline PC		14 0.7
3 solder tail		0.8
5 extended wire wrap	1.1	

74		
Style	Front	Side
right angle PC		13.2 5 12
2 off-center PC		13.2
3 centerline PC		132
5 solder tail	in in	0.8

Dimensions

n=number of positions

A= $(n \times 8.25) + 18.5$ (total length w/ mtg ends) B= $(n + 1) \times 8.25$ (mounting end centers) C= $(n \times 8.25) + 2$ (total length no mtg. ends)

Dimensions n=number of positions

 $A=(n \times 7.62) + 15.3$ (total length w/ mtg ends)

 $B=(n + 1) \times 7.62$ (mounting end centers)

 $C=(n \times 7.62) + 1.5$ (total length no mtg. ends)

Specifications *HD10 Series*

Features:

*Regular barrier construction

*Mounting ends available

*UL recognized

*5 pin styles to choose from

Electrical

Current: 15A @ 250V Wire range: 14 to 18 AWG Withstanding voltage:2000V AC per min. >500MΩ (500V DC) -40° C to +85° C Operating temp:

Torque: 7lh-in

Materials

Housing: Thermoplastic (UL94V-0) Terminal: Brass, Tin plated Screw: M3.5 combo head w/captive

sems plate

Screw material Steel, Ni plated

Positions available: 2 to 26 with mounting ends

2 to 28 no mounting ends

RI

Available/ \$3.8mm Mounting ends:

Specifications *FTB10 Series* Features:

*Regular barrier construction

*Mounting ends available

*UL recognized

*4 pin styles to choose from

*Gold plating available

Electrical

10A @ 250V Current: Wire range: 14 to 22 AWG Withstanding voltage:2000V AC per min. >500MΩ (500V DC) -40° C to +85° C Operating temp:

Torque: 7lb-in

Materials

Housing: Thermoplastic (UL94V-0)

Brass, Tin plated Terminal:

Screw: M3.5 combo head w/captive

sems plate

Screw material Steel, Ni plated

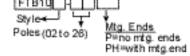
Positions available: 2 to 24 with mounting ends

2 to 26 no mounting ends

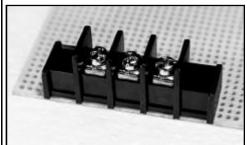
Available/ \$4mm Mounting ends:

Ordering Information

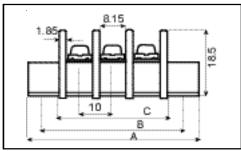


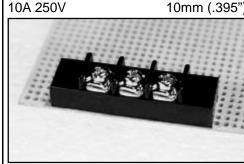


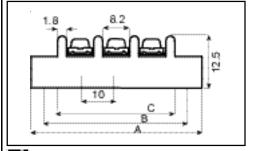
15A 250V



10mm (.395")

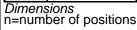








Style	Front	Side
3 off-center PC	1.5	15.4
4 extended wire wrap	1.8	15.4
5 right angle PC		0.82 100
6 thru panel PC tail	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.4 0.8 3.5
centerline PC		15.4



 $A=(n \times 10) + 22$ (total length w/ mtg ends) $B=(n + 1) \times 10$ (mounting end centers) $C=(n \times 10) + 2$ (total length no mtg. ends)

Style	Front	Side
right angle	1.5	13 4 14 3.5
B extended wire wrap	1 55	0.8
C off-center PC		13
D solder tail		13.
short wire wrap		13

Dimensions n=number of positions

 $A=(n \times 10) + 19$ (total length w/ mtg ends) $B=(n + 1) \times 10$ (mounting end centers) $C=(n \times 10) + 2$ (total length no mtg. ends)

DT65 Series

25A 300V

DT69 Series

30A 300V 11mm (.433")

Specifications **DT65 Series**

*Regular barrier construction

*Mounting ends available

*UL and CSA recognized

*3 pin styles to choose from

*Accepts #12 AWG

Electrical

Current: 25A @ 300V Wire range: 12 to 22 AWG Withstanding voltage:2000V AC per min. $>1000M\Omega$ (500V DC) Operating temp: -40° C to +105° C

Torque: 16lb-in

Materials

Housina: Polyamide 6,6 (UL94V-0) Terminal: Brass, Tin plated M4 combo head w/captive Screw:

sems plate

Screw material Steel, Ni plated

Positions available: 2 to 24 with mounting ends

2 to 26 no mounting ends

Mounting ends: Available/ \$3.6mm

Specifications DT69 Series

Features:

*Tri- barrier construction

*UL and CSA recognized

*2 pin styles to choose from

*Accepts #12 AWG

*#8-32 screws

Electrical

Current: 30A @ 300V Wire range: 12 to 22 AWG Withstanding voltage:2000V AC per min. >1000MΩ (500V DC) -40° C to +105° C Operating temp:

Torque: 16lb-in

Materials

Housing: Polyamide 6,6 (UL94V-0) Terminal: Brass, Tin plated

Screw: #8-32 combo head w/captive

sems plate

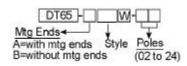
Screw material Steel, Ni plated

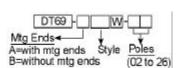
Positions available: 2 to 26 with mounting ends

2 to 28 no mounting ends

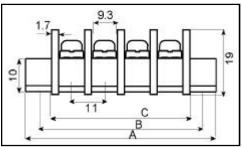
Available/ \$3.5mm Mounting ends:

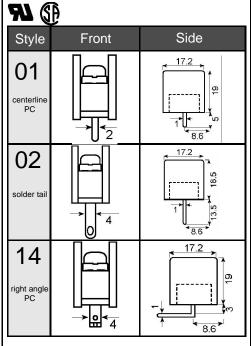
Ordering Information





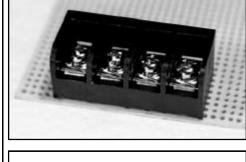
11mm (.433")

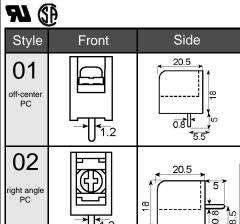




Regular Barrier

Dimensions n=number of positions $A=(n \times 11) + 22$ (total length w/ mtg ends) $B=(n + 1) \times 11$ (mounting end centers) $C=(n \times 11) + 2$ (total length no mtg. ends)





Tri-Barrier

Dimensions n=number of contact positions $A=(n \times 11) \times 2$

DT66 Series

DT7CSeries

Specifications DT66 Series

Features:

*High power terminal block

*2 pins per position *UL recognized

*11mm spacing

*Accepts #10AWG

Electrical

 $\begin{tabular}{lll} Current: & 40A @ 600V \\ Wire range: & 10 to 18 AWG \\ Withstanding voltage: $2000V AC per min. \\ IR: & >1000M\Omega \ (500V DC) \\ Operating temp: & -40^{\circ} C to +130^{\circ} C \\ Torque: & 13.8lb-in \\ \end{tabular}$

Materials

Housing: Polyester (UL94V-0)
Terminal: Brass, Tin plated
Screw: M4 combo head w/captive

sems plate

Screw material Steel, Ni plated

Positions available: 2 to 24 with mounting ends Mounting ends: 2 to 26 no mounting ends

Specifications DT7C Series

Features:

*High power barrier block

*Regular barrierw/cover construction

*Mounting ends available

*Large 13mm center spacing

*UL recognized

*3 pin styles to choose from

*Accepts #10 AWG

Electrical

Current: 40A @ 600V Wire range: 10 to 18 AWG Withstanding voltage:2000V AC per min. IR: >1000M Ω (500V DC) Operating temp: -40 $^{\circ}$ C to +130 $^{\circ}$ C Torque: 13.8lb-in

Materials

Housing: Polyester (UL94V-0)
Terminal: Brass, Tin plated
Screw: M4 combo head w/captive

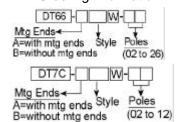
Screw material Steel, Ni plated
Cover material: PVC transparent

Positions available: 2 to 10 with mounting ends

2 to 12 no mounting ends

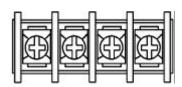
Mounting ends: Available/ \$\phi4.5mm\$

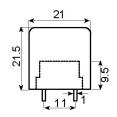
Ordering Information



40A 600V 11mm (.433")





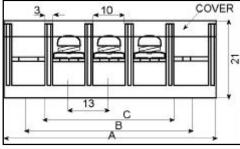


HIGH POWER

Dimensions n=number of contact positions A=(n x 11) + 3 40A 600V

13mm (.512")





W.

Style	Front	Side
O1	→ <u>†</u>	18
02 solder tail	4 1 33	18
14 right angle PC	4	3.5

HIGH POWER

Dimensions

n=number of positions

 $A=(n \times 13) + 29$ (total length w/ mtg ends)

 $B=(n + 1) \times 13$ (mounting end centers)

 $C=(n \times 13) + 3$ (total length no mtg. ends)

DT4C Series

DT89 Angled Block

Specifications **DT4C Series**

Features:

- *Regular barrier construction
- *Mounting ends available
- *UL recognized
- *Optional cover available
- *3 pin styles to choose from
- *Accepts #12 AWG

Electrical

Current: 20A @ 300V Wire range: 14 to 22 AWG Withstanding voltage:2000V AC per min. >1000MΩ (500V DC)

-40° C to +130° C Operating temp:

Torque: 10lb-in

Materials

Housing: Polyester (UL94V-0) Brass, Tin plated Terminal:

M3.5 combo head w/captive Screw:

sems plate Screw material Steel, Ni plated Cover material: **PVC** transparent

Positions available: 2 to 10 with mounting ends

2 to 12 no mounting ends

Mounting ends: Available/ \$3.5mm

Specifications **DT89 Series**

Features:

- *Angled screw for easy accessibility
- *Regular barrier construction
- *.35 inch center spacing
- *UL recognized
- *Accepts #14 AWG

Electrical

Current: 15A @ 300V Wire range: 14 to 22 AWG Withstanding voltage:2000V AC per min. $>1000M\Omega$ (500V DC) IR:

Operating temp: -40° C to +130° C

Torque: 6lb-in

Materials

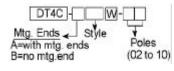
Housing: Polyester (UL94V-0) Terminal: Brass, Tin plated M3 combo head w/captive Screw: sems plate

Screw material Steel, Ni plated

2 to 26 no mounting ends Positions available:

Not available Mounting ends:

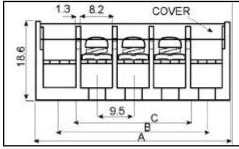
Ordering Information





9.5mm (.375") 20A 300V







Style	Front	Side
1 centerline PC	1.5	15 08
2 solder tail	4.2	15 Am - 103
14 right angle PC w/ stabilizer pins	3.2	3.5 5



Dimensions

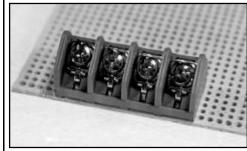
n=number of positions

 $A=(n \times 9.5) + 21.5$ (total length w/ mtg ends) $B=(n + 1) \times 9.5$ (mounting end centers)

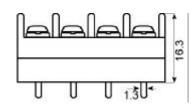
 $C=(n \times 9.5) + 2.5$ (total length no mtg. ends)

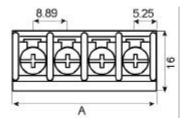
15A 300V

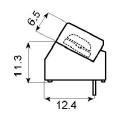
8.89mm (.350")













Dimensions

n=number of contact positions $A=(n \times 8.89) + 1.7$

HD84 Series

HD74 Series

Specifications *HD84 Series*

Features:

*Dual tier barrier construction

*Inline pins

*UL recognized (HD841 only) *2 pin styles to choose from *Gold plating available

Electrical

15A @ 250V Current: 14 to 18 AWG Wire range: Withstanding voltage:2000V AC per min. >500MΩ (500V DC) Operating temp: -40° C to +105° C

Torque: 7lb-in

Materials

Housing: Thermoplastic (UL94V-0) Brass, Tin plated Terminal:

(Gold flash on HD842)

Screw: M3 combo head w/captive

sems plate(Gold flash on 842)

Screw material Steel, Ni plated

Positions available: 2 to 22 with mounting ends

2 to 24 no mounting ends

Mounting ends: Available/ \$3.2mm

Specifications: HD74 Series

Features:

*Dual tier barrier construction

*Staggered pins *UL recognized

*Clear hinged cover available

*Available in 2 to 12, 20 or 30 pins per row

Electrical

15A @ 250V Current: Wire range: 16 to 22 Sol Withstanding voltage:2000V AC per min. $>1000M\Omega$ (500V DC) -40° C to +110° C Operating temp:

Torque: 7lb-in

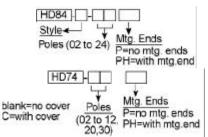
Materials

Housing: PBT(UL94V-0) Terminal: Brass, Tin plated

M3 combo head w/captive Screw: sems plate

Screw material Steel, Ni plated PC transparent Cover material: 2 to 12, 20, 30 Positions available: Mounting ends: Available

Ordering Information

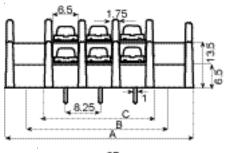


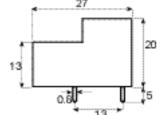
8.25mm (.325") 15A 250V



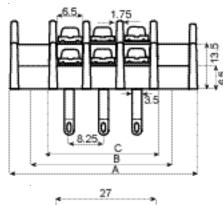
HD841

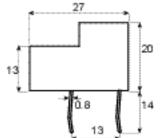
HD841 Series





HD842 Series





Dimensions

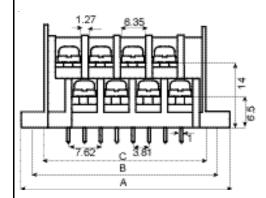
n=number of positions (per level) $A=(n \times 8.25) + 18.5$ (total length w/ mtg ends) $B=(n + 1) \times 8.25$ (mounting end centers) $C=(n \times 8.25) + 2$ (total length no mtg. ends)

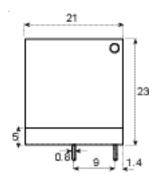
15A 250V

7.62mm (.300")



W.





Dual Level Staggered Pins Hinged Cover

Dimensions

n=number of positions (per level)

 $A=(n \times 7.62) + 25.3$ (total length w/ mtg ends)

 $B=(n \times 7.62) + 16.8$ (mounting end centers)

 $C=(n \times 7.62) + 10.4$ (total length no mtg. ends)

HD30 Series

HD33 Series

15A 250V

FLI

Specifications *HD30 Series*

Features:

- *Regular barrier construction
- *Mounting ends available
- *Phil/ slot sems screws standard
- *3 Pin styles to choose from
- *Gold plating available

Electrical

Current: 10A @ 250V Wire range: 14 to 22 AWG Withstanding voltage:2000V AC per min. $>500M\Omega$ (500V DC) Operating temp: -40° C to +95° C Torque: 12lb-in

Materials

Housing: Thermoplastic (UL94V-0) Terminal: Tin plated brass Screw: M4 sems, Ni plated steel Positions available: 2 to 26 with or without mounting ends

Mounting ends: Available/ \$4mm

Specifications HD33 Series

Features:

- *Tri-barrier construction
- *Mounting bushings available (see p.)
- *Phil/ slot sems screws standard
- *4 Pin styles to choose from
- *Gold plating available

Electrical

Current: 15A @ 250V Wire range: 14 to 22 AWG Withstanding voltage:2000V AC per min. >500MΩ (500V DC) Operating temp: -40° C to +95° C Torque: 20lb-in

Materials

Screw:

Housing: Thermoplastic (UL94V-0) Terminal: Tin plated brass(331, 332)

Gold flash (333, 334) M3 combo head w/captive

sems plate

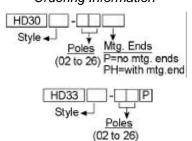
Screw material Steel, Ni plated(331, 332)

Gold flash (333, 334)

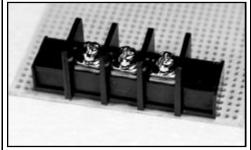
Positions available: 2 to 26 no mounting ends Available with bushings (333, Mounting ends:

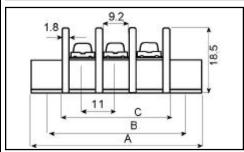
334)

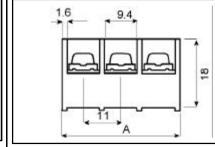
Ordering Information



10A 250V 11mm (.433")

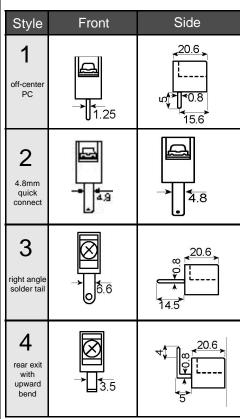






11mm (.433")

Style	Front	Side
1 centerline PC	1.5	16.5
2 solder tail		16.5
3 insulated solder tail	40	16.5



Regular Barrier

Dimensions n=number of positions

 $A=(n \times 11) + 24$ (total length w/ mtg ends) $B=(n + 1) \times 11$ (mounting end centers)

 $C=(n \times 11) + 3$ (total length no mtg. ends)

Tri-Barrier

Dimensions n=number of positions $A=(n \times 11) + 2$

(800)595-8881 www.blockmaster.com

BlockMaster Electronics, Inc.

Specifications HD-A Series

Features:

- *Dual Row phenolic material blocks
- *For surface mounting on non-conductive surfaces
- *Each row (2 screws) is one position

Electrical

Withstanding voltage:2000V AC per min. Insulation resistance:> $500M\Omega$ (500V DC) Operating temp: -30° C to +150° C

Materials

Housing: Phenolic, black (UL94V-0)

Terminal: Tin plated brass

HD10A Specifications

*9.5mm (.375") centers *Closed bottom design

Current: 10A @250V Wire range: 14-18AWG Torque: 12 lb-in

Screw: M3.5 Phil/slot NI plated steel

Positions available: 2 to 24 Mounting ends: \$\phi4.3mm\$

HD20A Specifications

*11mm (.433") centers *Open bottom design

Current: 20A @250V Wire range: 12-18AWG Torque: 12 lb-in

Screw: M3.5 Sems phil/slot NI plated

steel

Positions available: 2 to 24 Mounting ends: \$\phi4.7\text{mm}\$

HD30A Specifications

*14mm (.55") centers *Open bottom design

 Current:
 30A @300V

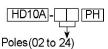
 Wire range:
 14-22AWG

 Torque:
 16 lb-in

Screw: M4 Phil/slot NI plated steel

Positions available: 2 to 22 Mounting ends: ϕ 5.5mm

Ordering Information

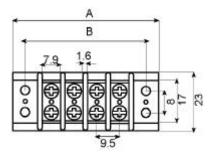


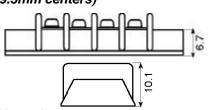






HD10A Series (9.5mm centers)





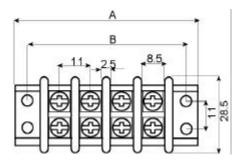
Dimensions

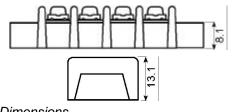
n=number of contact rows

 $A=(n \times 9.5) + 17$ (total length w/ mtg ends) $B=(n + 1) \times 9.5$ (mounting end centers)

FL

HD20A Series (11mm centers)



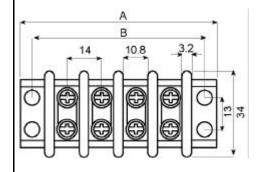


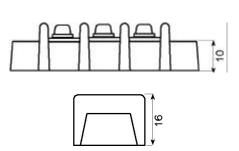
Dimensions

n=number of contact rows

 $A=(n \times 11) + 20$ (total length w/ mtg ends) $B=(n + 1) \times 11$ (mounting end centers)

HD30A Series (14mm centers)





Dimensions

n=number of contact rows

 $A=(n \times 14) + 26$ (total length w/ mtg ends)

 $B=(n + 1) \times 14$ (mounting end centers)

Specifications PA Series

Features:

*Wire guard standard on all series

*Natural white color *Captive screws

PA8DS

Current: 20A @ 600V
Wire range: 12 to 22 AWG
Wire section(mm²): 1.5 mm²
Centerline spacing: 8 mm
Wire hole size: \$\psi 2.7 mm\$
Mounting holes: \$\psi 2.9 mm\$
Dimension A=95.8mm
Dimension B=16.3mm

PA10DS

Current: 30A @ 600V
Wire range: 10 to 22 AWG
Wire section(mm²): 2.5 mm²
Centerline spacing: 10 mm
Wire hole size: \$\phi3.2 mm
Mounting holes: \$\phi3.6 mm
Dimension A=117.2mm
Dimension B=20.1mm

PA12DS

Current: 35A @ 600V
Wire range: 10 to 22 AWG
Wire section(mm²): 6 mm²
Centerline spacing: 12 mm
Wire hole size: \$\daggerapsilon 3.9 mm
Mounting holes: \$\daggerapsilon 3.8 mm
Dimension A=140.5mm
Dimension B=23.8mm

PA14DS

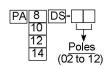
Current: 50A @ 600V Wire range: 8 to 20 AWG Wire section(mm²): 10 mm² Centerline spacing: 14 mm Wire hole size: \$\phi4.8\$ mm Mounting holes: \$\phi4.3\$ mm Dimension A=158mm Dimension B=25.6mm

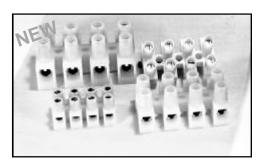
Materials (All Series)

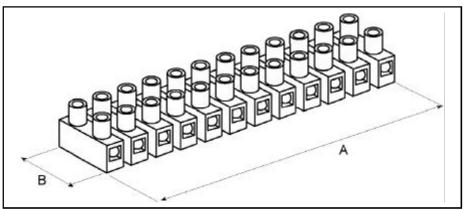
Housing: Polyamide 6,6 (UL94V-2)
Terminal: Zinc alloy, Tin plated
Screw: Steel, yellow chromated

Positions available: 2 to 12

Temperature range: -35°C to +105°C







PA8	Style	Front	Bottom
3	8 8mm centers	14.5	\$ 2.9
PA10	10 10mm centers	10 17	\$ 3.6
PA12	12 12mm centers	12	Ø 3.8
PA14	14mm centers	25.4	4.3 14

Barrier Terminal Blocks

HD60 Series

HD61 Series

Specifications *HD60 Series*

Features:

- *Miniature 6.35mm spacing saves board space
- *Regular barrier construction
- *Mounting ends available
- *Gold plated terminals available
- *2 pin styles to choose from

Electrical

Current: 10A @ 250V Wire range: 18 to 22 AWG Withstanding voltage:2000V AC per min. >500MΩ (500V DC) Operating temp: -20° C to +110° C Torque: 7lb-in

Housing: Thermoplastic (UL94V-0) Terminal: Brass, Tin plated Screw:

sems plate Screw material Steel, Ni plated

Positions available: 2 to 27 with mounting ends 2 to 29 no mounting ends

Mounting ends: Available/ \$3mm

Materials

M3 combo head w/captive

Specifications HD61 Series

Features:

- *Miniature 6.35mm spacing saves board space
- *Tri- barrier construction
- *Gold plated terminals available
- *4 pin styles to choose from

Electrical

Current: 13A @ 250V Wire range: 18 to 22 AWG Withstanding voltage:2000V AC per min. $>500M\Omega$ (500V DC) Operating temp: -20° C to +105° C

Torque: 7lb-in

Materials

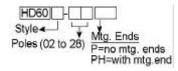
Housina: Thermoplastic (UL94V-0) Terminal: Brass, Tin plated M3 combo head w/captive Screw:

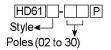
sems plate Ni plated steel

Screw material Positions available: 2 to 30 no mounting ends

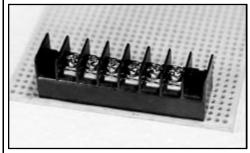
Mounting ends: Not available

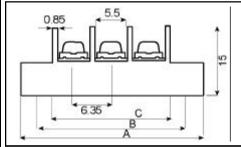
Ordering Information





6.35mm (.250") 10A 250V



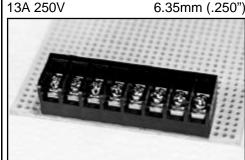


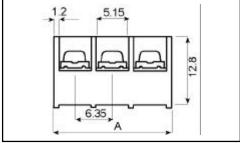
Style	Front	Side
off-center PC	→ 1 .0	14
2 off-center solder tail	3.6	14 0.8 ° 0 3



Dimensions n=number of positions

 $A=(n \times 6.35) + 13.7$ (total length w/ mtg ends) $B=(n + 1) \times 6.35$ (mounting end centers) $C=(n \times 6.35) + 1$ (total length no mtg. ends)







— W	ن ا	
Style	Front	Side
off-center PC		4
2 right angle PC		Ø
3 right angle solder tail	→ 3	5 14

Tri-Barrier-

Dimensions n=number of positions $A=(n \times 6.35) + 1.2$