

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
 IR: >500MΩ (500V DC)
 Operating temp: -30°C to +85°C
 Stripping length: 10mm
 PCB holes: min 1.3mm
 PCB thickness: max 2.4mm

Materials

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

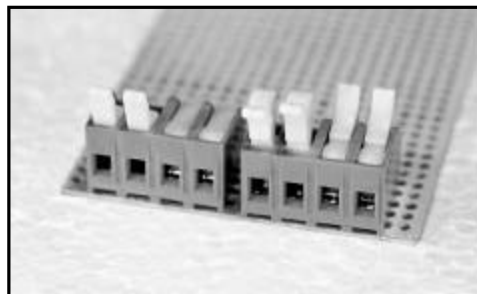
Current: 8A @ 250V
 Wire range: 18 to 22 Str
 Wire range: 16 to 22 Sol
 Pin dimension: 0.8mm x 0.4mm
 Withstanding voltage: <AC 1500V/min
 Dielectric strength: 2500V
 Tracking resistance: 5MΩ
 Operating temp: -30°C to +120°C
 Stripping length: 7mm
 PCB holes: min 1.3mm
 PCB thickness: max 3.4mm

Materials

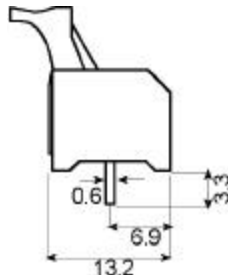
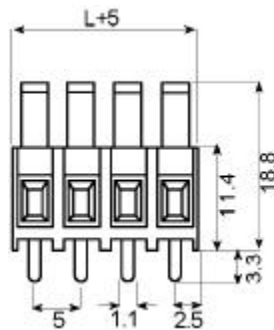
Housing: PBT(30% glass fill) UL94V-0
 Contact spring: Stainless strip steel
 Terminal: Brass, Tin plated
 Colors available: Gray w/ yellow button

10A 250V

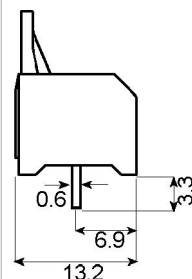
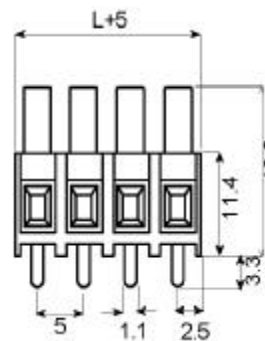
5mm



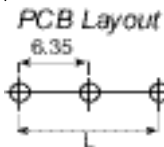
HA521 "Thumb-grip lever"



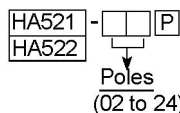
HA522 "Flat lever"



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

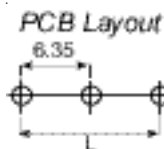
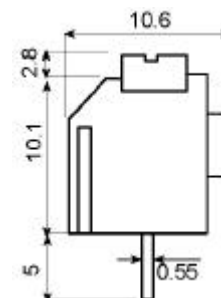
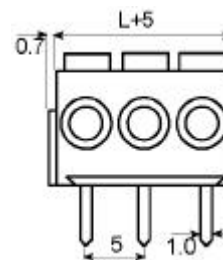


Ordering Information



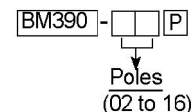
8A 250V

5mm



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

Ordering Information



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

Current: 10A @ 250V
 Wire range: 14 to 22 AWG
 Pin dimension: 0.5mm x 0.9mm
 Withstanding voltage: <AC 2000V/min
 IR: >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
 Terminal: Brass(Cu, Zn), Tin plated
 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
 Wire range: 14 to 22 AWG
 Pin dimension: 1.02mm x 0.5mm
 CR: <20mΩ
 IR: >1000MΩ (500V DC)
 Operating temp: +10°C to +70°C
 Stripping length: 8mm
 PCB holes: min 1.3mm
 PCB thickness: max 2.4mm

Materials

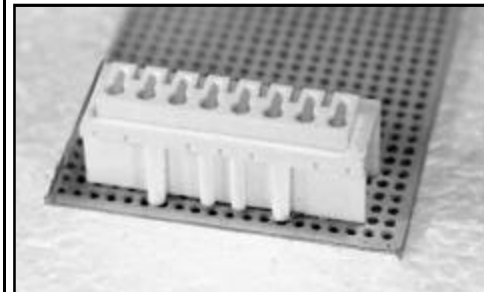
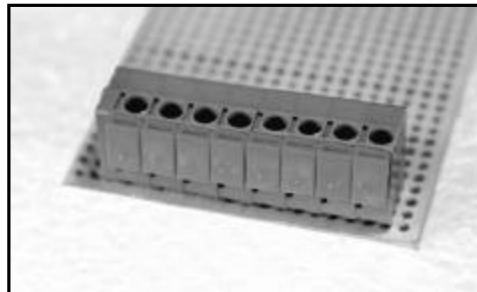
Housing/lever: Polyester(glass filled) UL94V-0
 Spring contact: Phosphor bronze(Cu,Ni) tin plated
 Terminal: Phosphor bronze(Cu,Ni) tin plated
 Color: White

10A 250V

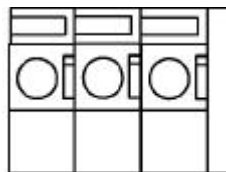
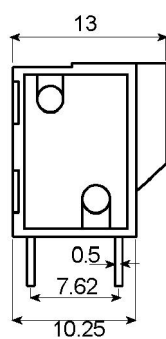
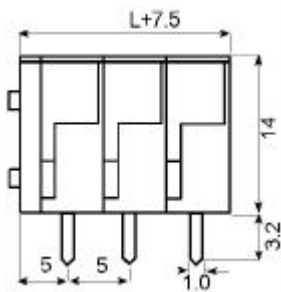
5mm

10A 300V

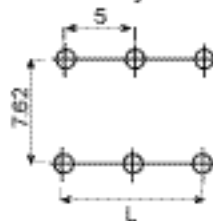
4.57mm



351 Vertical



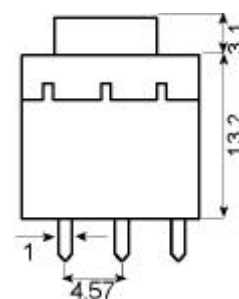
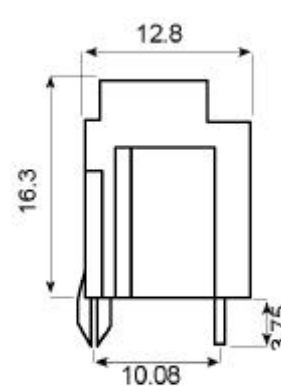
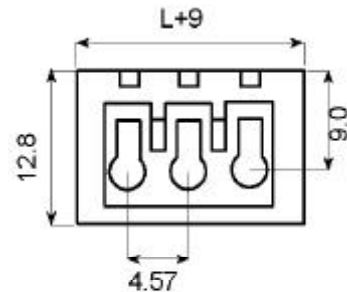
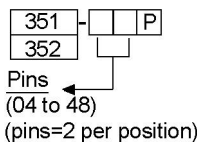
PCB Layout



Dimensions

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

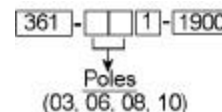
Ordering Information



Dimensions

n=number of poles
 L=(n-1) x 4.57

Ordering Information



10A 300V

3.81mm

10A 300V

5mm

Specifications 675-1 Series

Features:

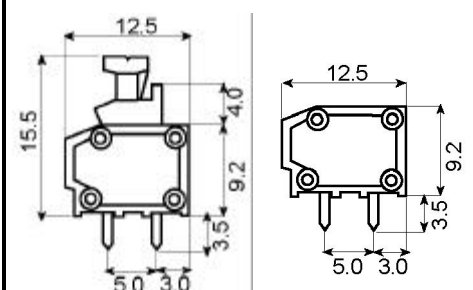
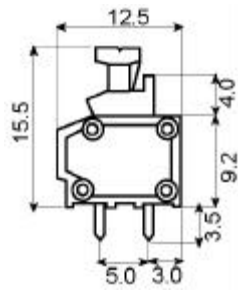
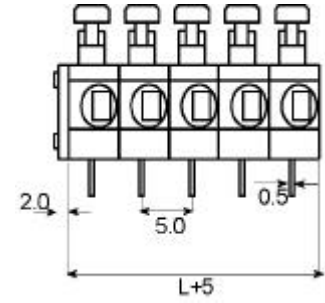
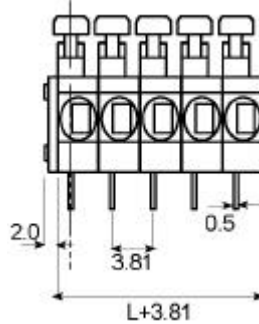
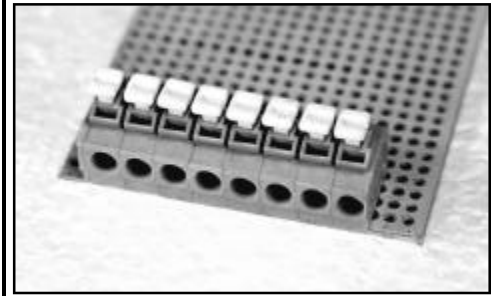
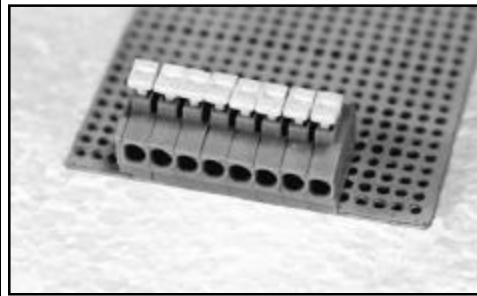
- *Compact 3.81mm spacing
- *Available in several colors for coding positions to wire colors
- *1 position modular blocks
- *2 pins per pole for stability
- *No exposed metal parts

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: >5MΩ (500V DC)
 Operating temp: -40°C to +105°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:

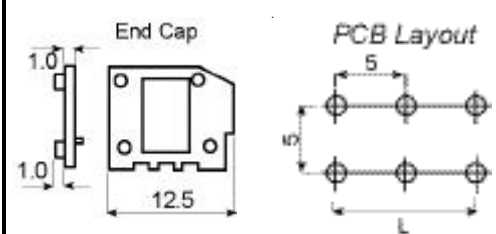
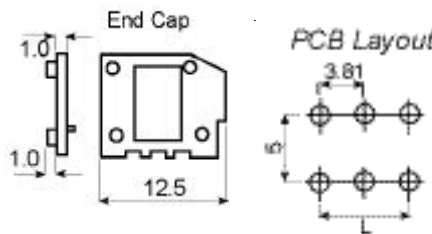
- *Standard 5mm spacing
- *Available in several colors for coding positions to wire colors
- *Available with or without push button
- *1 position modular blocks
- *2 pins per pole for stability
- *No exposed metal parts

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: >5MΩ (500V DC)
 Operating temp: -40°C to +105°C
 Stripping length: 9mm
 PCB holes: min 1.1mm
 PCB thickness: max 2.4mm

Materials

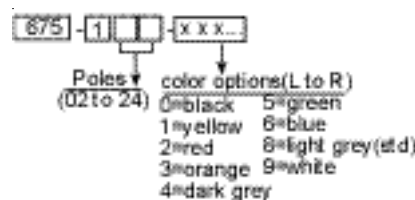
Housing/button: Polyamide 6,6 (UL94V-0)
 Contact spring: Stainless steel
 Terminal pins: Brass, silver and tin plated
 Colors available: Gray (standard), for others see how to order



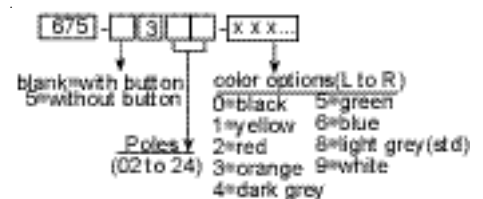
Dimensions
 n=number of poles
 L=(n-1) x 3.81

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

Ordering Information



Ordering Information



Also available in 7.5mm and 10mm centers.

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(mm ²):	0.3 to 1.5mm ²
Pin dimension:	0.95mm x 0.5mm
Operating temp:	-40°C to +105°C
Stripping length:	10mm
PCB holes:	min 1.3mm
PCB thickness:	max 2.2mm

Materials

Housing:	Polyamide 6,6
Contact spring:	Stainless steel
Terminal pins:	Brass, silver and tin plated
Colors available:	Green (orange lever)

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

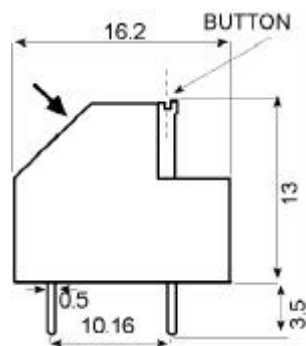
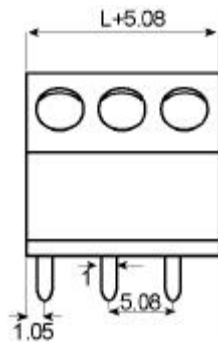
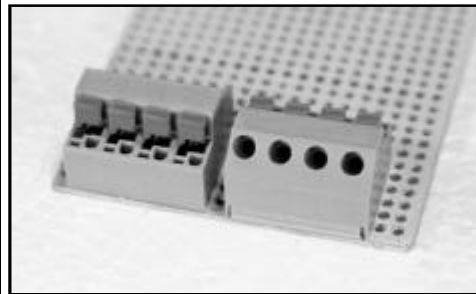
Current:	10A @ 300V
Wire range:	18 to 24 Sol
Wire range:	18 to 20 Str
Wire section(mm ²):	2 x 0.25 to 0.75mm ²
Pin dimension:	0.8mm x 0.5mm
Dielectric strength:	4kV
IR:	>5MΩ (500V DC)
Operating temp:	-40°C to +105°C
Stripping length:	9mm
PCB holes:	min 1.1mm
PCB thickness:	max 2.4mm

Materials

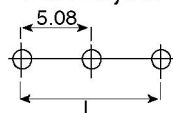
Housing/button:	Polyamide 6,6 (UL94V-0)
Contact spring:	Stainless steel
Terminal pins:	Brass, silver and tin plated
Colors available:	Gray (standard), for others see how to order

12A 300V

5.08mm

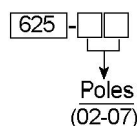


PCB Layout

**Dimensions**

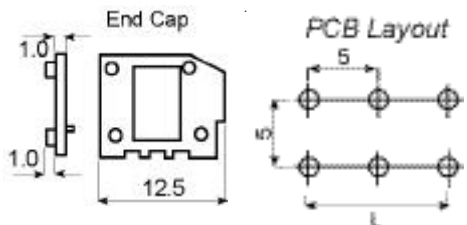
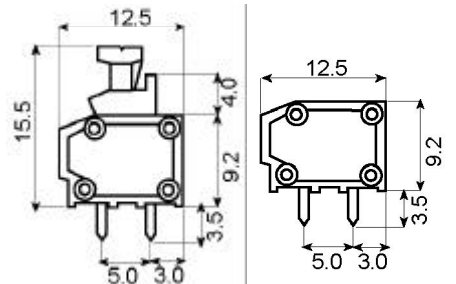
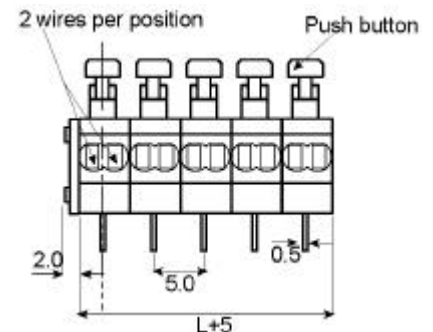
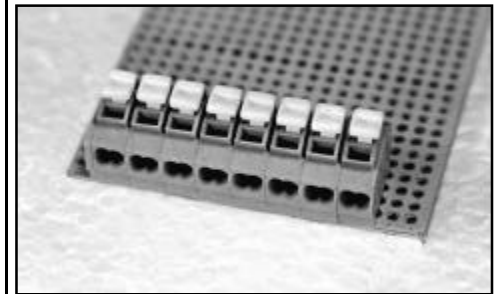
n=number of poles

L=(n-1) x 5.08

Ordering Information

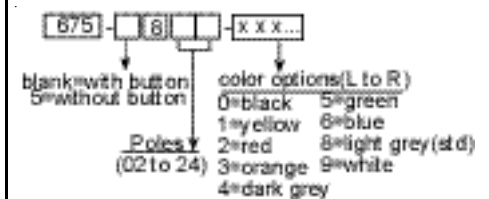
10A 300V

5mm

**Dimensions**

n=number of poles

L=(n-1) x 5

Ordering Information

Also available in 7.5mm and 10mm centers.

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: >500MΩ (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

Marking

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: >500MΩ (500V DC)
 Operating temp: -40°C to +100°C
 Stripping length: 5mm
 PCB holes: min 1.2mm
 PCB thickness: max 2.4mm

Materials

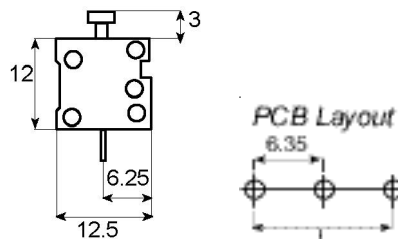
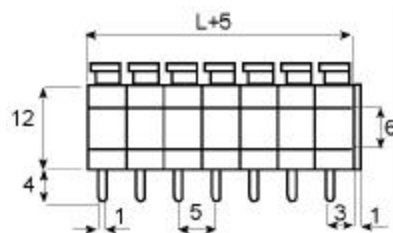
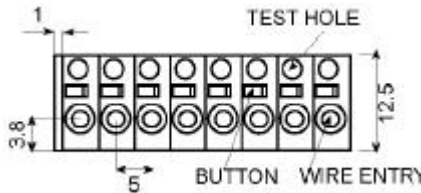
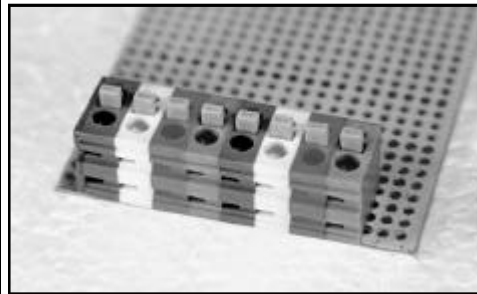
Housing: Nylon 6,6 (UL94V-0)
 Contact plate: Stainless steel (SUS304)
 Spring: Stainless steel (SUS304)
 Terminal: Brass, Tin plated
 Colors available: Gray (standard), for others consult factory

Marking

Marking tabs available. Consult factory.

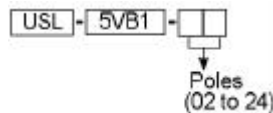
7A 300V

5mm



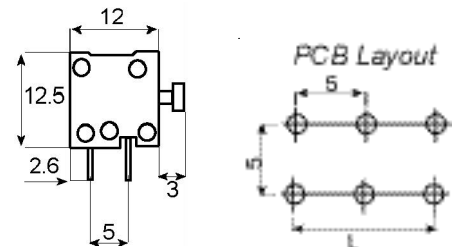
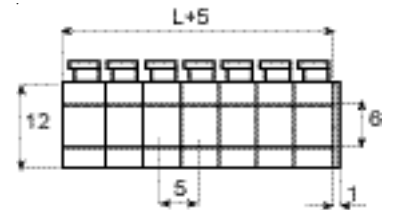
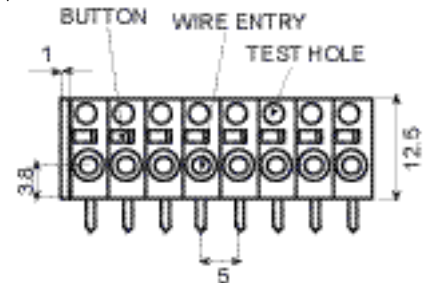
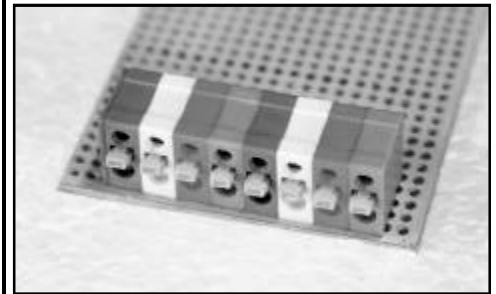
Dimensions
 n=number of poles
 L=(n-1) x 5

Ordering Information



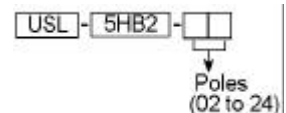
7A 300V

5mm



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

Ordering Information



Patented Spring Design-Vertical

Patented Spring Design-Horizontal

6A 63V

2.54mm

10A 250V

5.08mm

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:

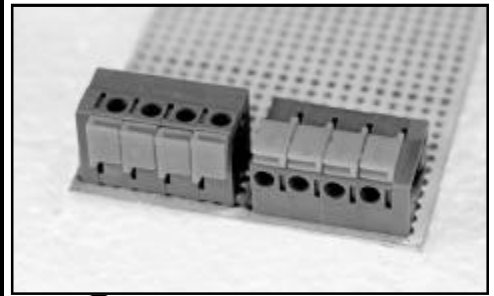
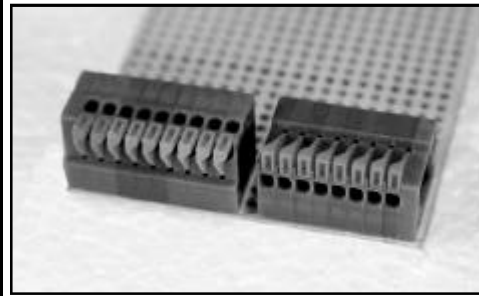
- *Popular 5.08mm spacing
- *Vertical or right angle wire entry
- *Lever on same plane as wire entry
- *Fast and efficient wiring process
- *1 position modular blocks
- *2 pins per pole for stability
- *Lever can be worked by fingers
- *No exposed metal parts

Electrical

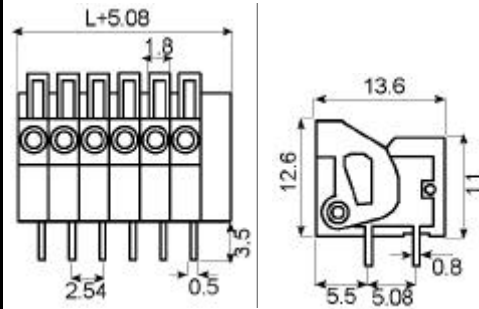
Current: 10A @ 250V
 Wire range: 14 to 22 AWG
 Pin dimension: 0.5mm x 1.0mm
 Withstanding voltage: <AC 1200V/min
 IR: >500MΩ (500V DC)
 Operating temp: -40°C to +105°C
 Stripping length: 7.5mm
 PCB holes: min 1.1mm
 PCB thickness: max 2.4mm

Materials

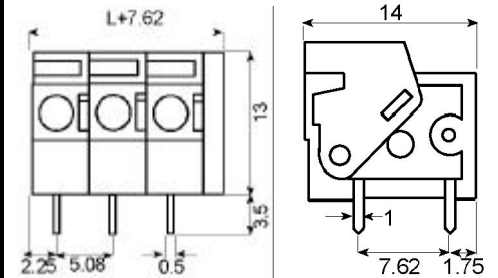
Housing: Polyamide 6,6 Green
 Spring clamp: SUS301
 Terminal: Brass, Tin plated
 Lever: Polyamide 6,6 Orange



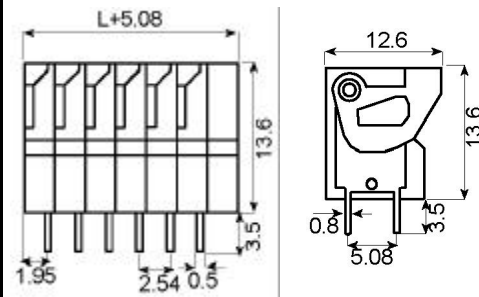
141 Right Angle



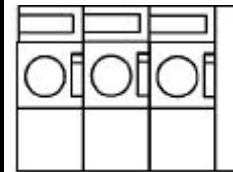
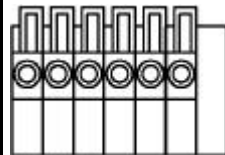
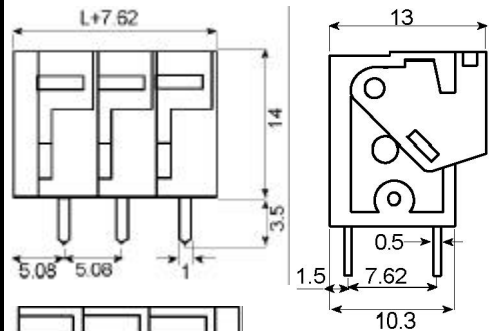
142 Right Angle



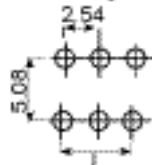
141 Vertical



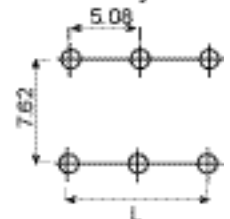
142 Vertical



PCB Layout



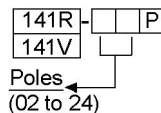
PCB Layout



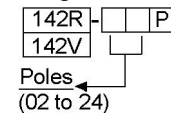
Dimensions
 n=number of poles
 L=(n-1) x 2.54

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

Ordering Information



Ordering Information



Also available in 7.62mm centers.

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

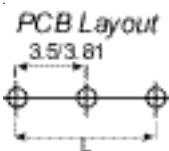
- Current(3.5/3.81): 10A @ 150V
- Pin dimension: 0.8mm x 0.8mm
- CR: <15mΩ
- IR: >10⁹ Ω (500V DC)
- Operating temp: -40°C to +110°C
- PCB holes: min 1.2mm
- PCB thickness: max 2.4mm
- Climactic category: 40/110/21 Acc. to IEC 68-1

Materials

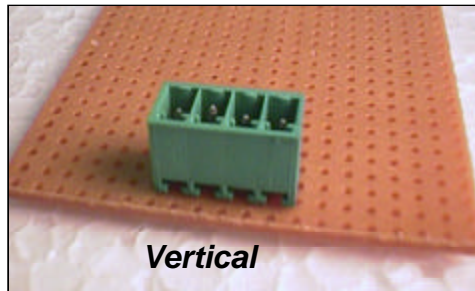
- Housing: Polyamide 6,6 (UL94V-0)
- Terminal pin: Bronze, Tin plated
- Colors available: Green is standard
Black is optional

Marking

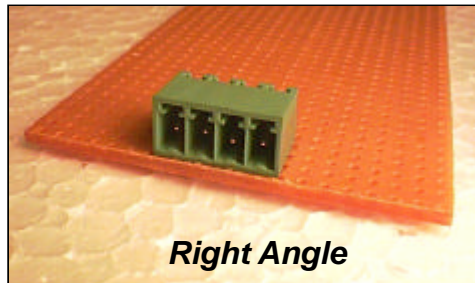
Consult factory for marking options.



10A 150V 3.5 and 3.81mm



Vertical

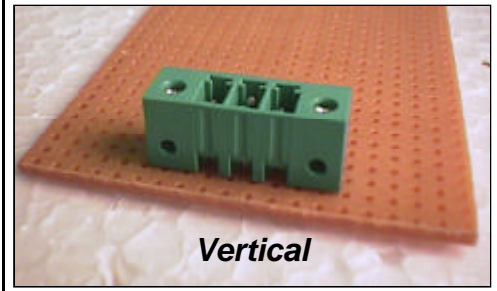


Right Angle

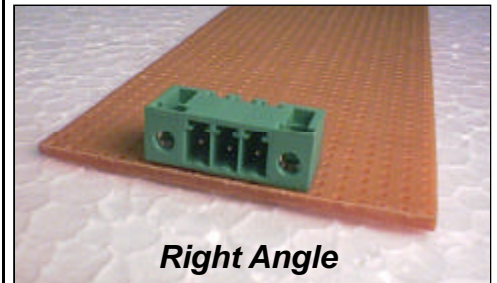


Style	Front	Side
0P closed end vertical		
9P closed end right angle		

10A 150V 3.5 and 3.81mm



Vertical



Right Angle



Style	Front	Side
0V vertical with locking screw flange		
9V right angle with locking screw flange		

3.5mm and 3.81mm pluggable blocks!

Dimensions

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

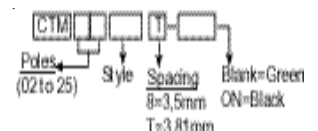
Ordering Information



Dimensions

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

Ordering Information



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
 PCB Holes: min 1.1mm
 PCB Thickness: max 2.3mm
 Climatic Category: 40/110/21 Acc. To IEC 68-1

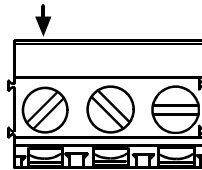
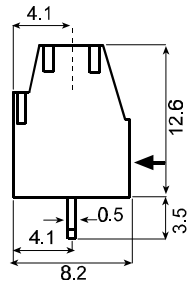
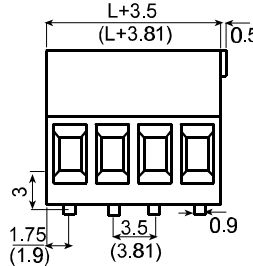
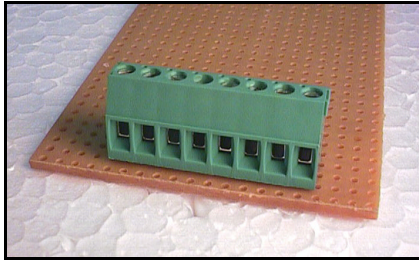
Materials

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

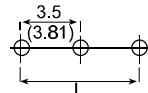
Marking

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



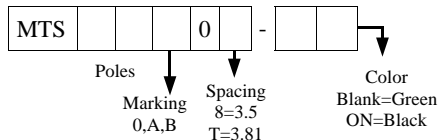
PCB Layout



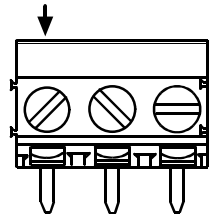
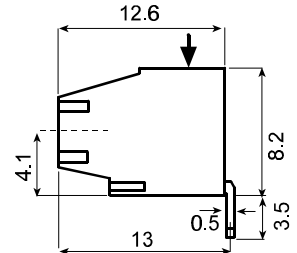
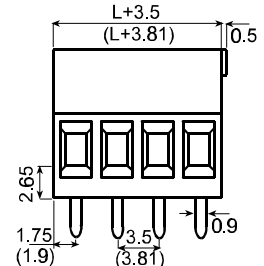
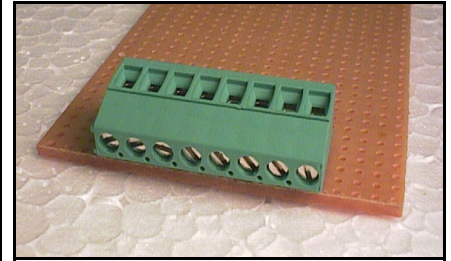
Dimensions

n = number of poles
 L=(n-1) x 3.5 (for 3.5mm spacing)
 L=(n-1) x 3.81 (for 3.81mm spacing)

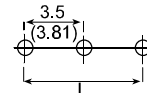
Ordering Information



7A 250V 3.5 and 3.81 mm



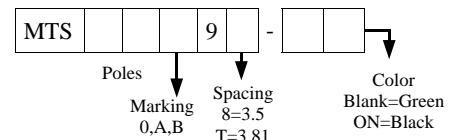
PCB Layout



Dimensions

n = number of poles
 L=(n-1) x 3.5 (for 3.5mm spacing)
 L=(n-1) x 3.81 (for 3.81mm spacing)

Ordering Information



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

Current:	13.5A @ 300V
Wire Range:	16-30 AWG
Wire Section: (mm ²)	0.05 to 1.5mm ²
Pin Dimension:	.9mm x 0.5mm
CR:	<15m
IR:	>10M (500V DC)
Operating temp:	-40°C - +110°C
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

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

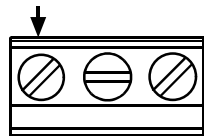
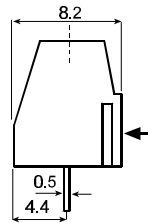
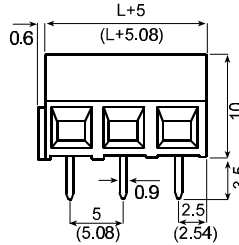
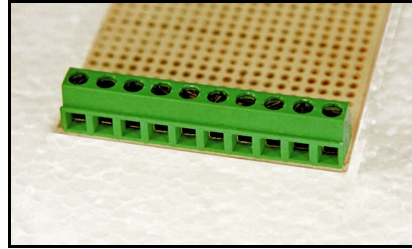
0 = no printing

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

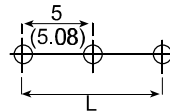
B= regular printing (consecutive #'s L to R)

Custom markings are welcome with minimum order - Contact factory

13.5A 300V 5 and 5.08mm



PCB Layout



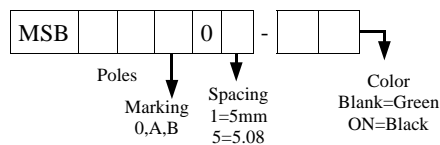
Dimensions

n = number of poles

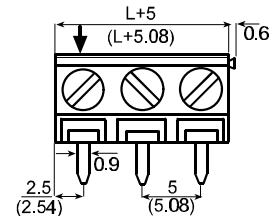
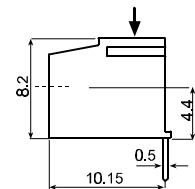
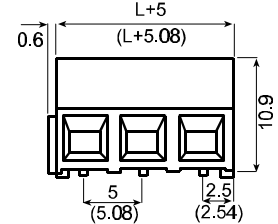
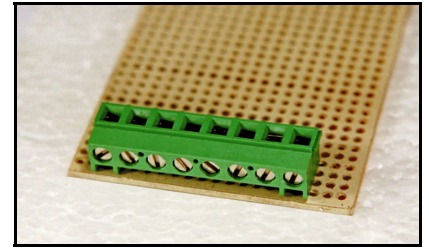
L=(n-1) x 5.00 (for 5.00mm spacing)

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

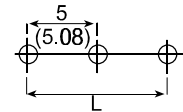
Ordering Information



13.5A 300V 5 and 5.08mm



PCB Layout



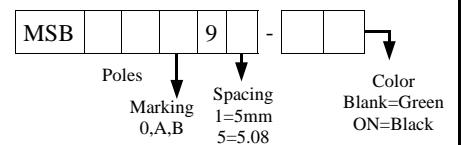
Dimensions

n = number of poles

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

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

Ordering Information



Specifications: **301/311/300/310 Series**

Features:

- 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

Current:	10A @ 250V
Wire Range:	14-16 AWG
Pin Dimension:	1mm
CR:	<20m
IR:	>5000M (1000V DC)
Operating temp:	-55°C - +105°C
Stripping Length:	6mm
Torque:	4.5 lb-in
PCB Holes:	min 1.6mm
PCB Thickness:	max 2.3mm

Materials

Housing:	PBT-4115 (UL 94V-0)
Metal Housing:	Brass (Cu, Zn), Cu, Tin plated
Wire Guard:	Stainless steel
Terminal:	Brass (Cu, Zn), Tin plated
Screw:	M2.6, steel, chromated and galvanized
Colors Available:	Black, blue

Marking

Adhesive marking strips not available

Ink marking by factory (specify in order number)

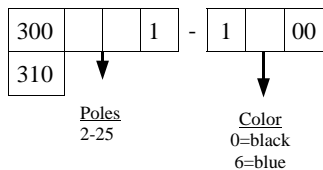
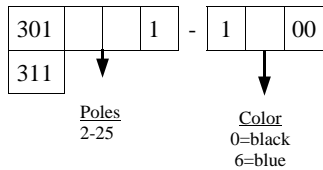
0=no marking

1=numbered 1 2 3 4 etc. left to right

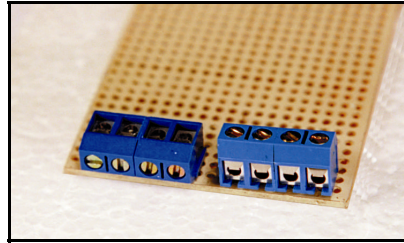
Minimums apply for marking

Contact factory for additional information

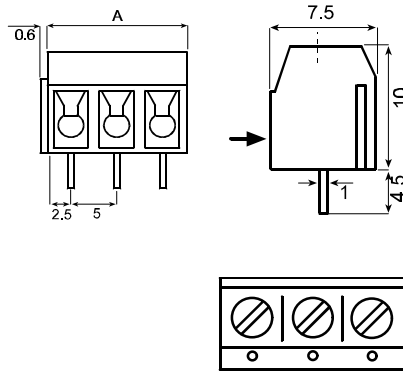
Ordering Information



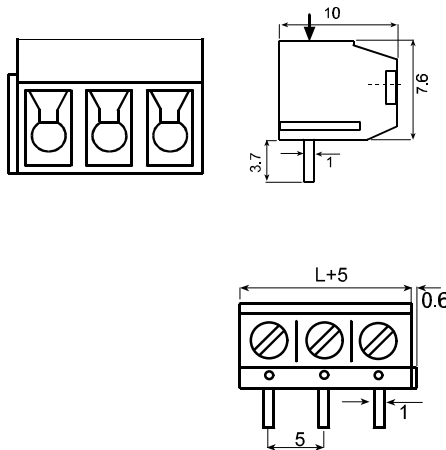
10A 250V 5 mm



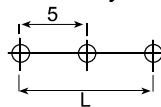
301 Series (vertical)



301 Series (vertical)



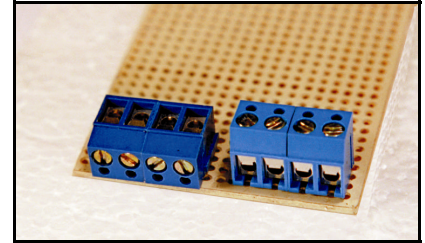
PCB Layout



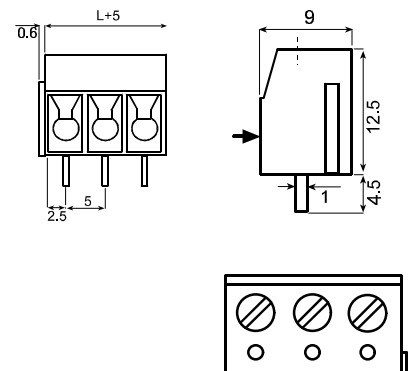
Dimensions

n = number of poles
L=(n-1) x 5.00

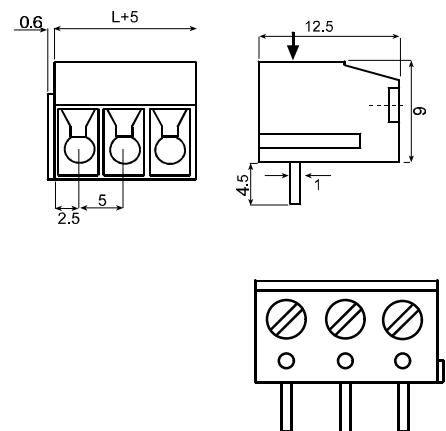
10A 250V 5 mm



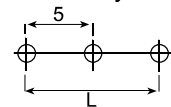
300 Series (vertical)



310 Series (vertical)



PCB Layout



Dimensions

n = number of poles
L=(n-1) x 5.00

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: (mm ²)	0.05 to 2.5mm ²
Pin Dimension:	1mm x 0.8mm
CR:	<15m
IR:	>10M (500V DC)
Operating temp:	-40°C - +110°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

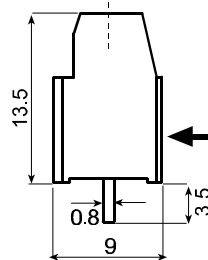
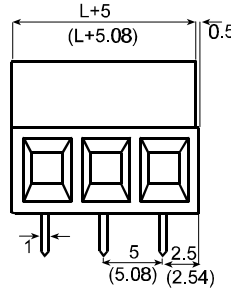
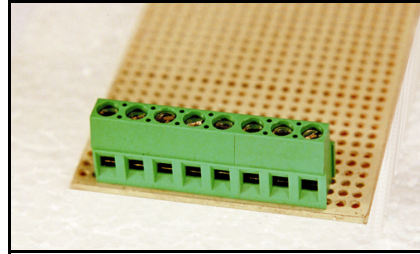
Electrical

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



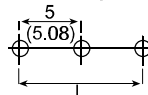
Dimensions

n = number of poles

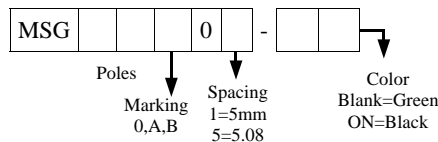
$L=(n-1) \times 5.00$ (for 5.00mm spacing)

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

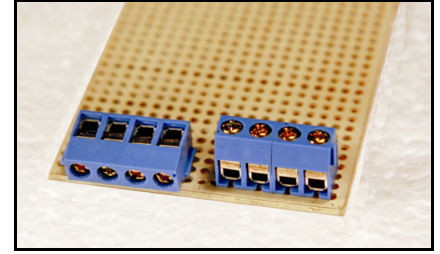
PCB Layout



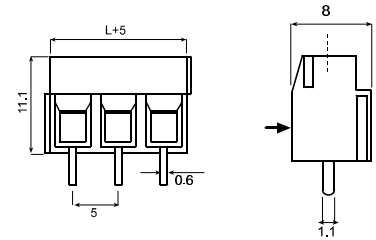
Ordering Information



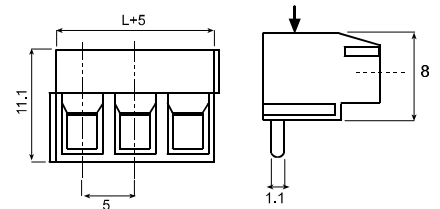
10A 300V 5 mm



PA001 Series (vertical)



PA002 Series (right angle)

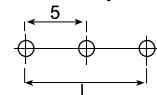


Dimensions

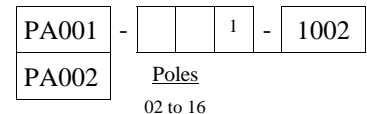
n = number of poles

$L=(n-1) \times 5$

PCB Layout



Ordering Information



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: (mm ²)	0.05 to 2.5mm ²
Pin Dimension:	1mm x 0.8mm
CR:	<15m
IR:	>10 ⁹ (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 5.08mm 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

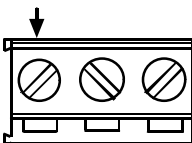
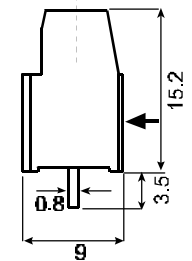
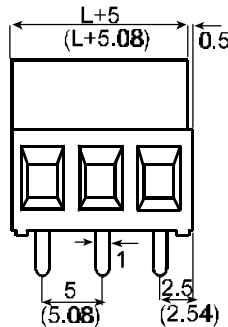
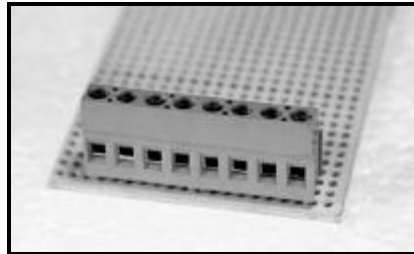
0 = no printing

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

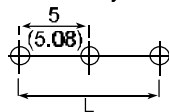
B= regular printing (consecutive #'s L to R)

Custom markings are welcome with minimum order - Contact factory

17.5A 300V 5 and 5.08mm



PCB Layout



Dimensions

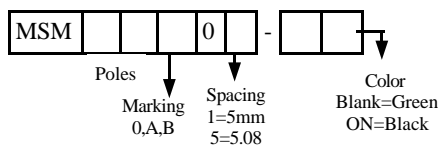
n = number of poles

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

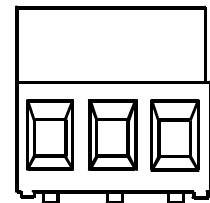
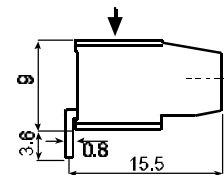
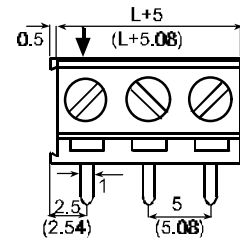
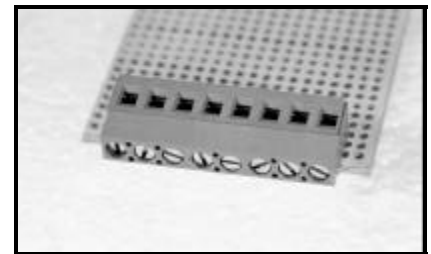
L=(n-1) x 5.08 (for 5.08mm spacing)

(Also available in 10mm and 10.16mm centers)

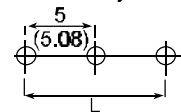
Ordering Information



17.5A 300V 5 and 5.08mm



PCB Layout



Dimensions

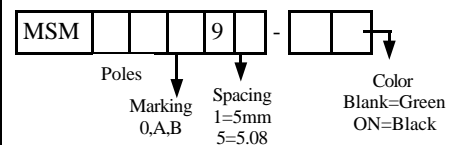
n = number of poles

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



Also available with a 270° pin bend

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: (mm ²)	0.05 to 4mm ²
Pin Dimension:	1mm x 0.8mm
CR:	<15m
IR:	>10 ⁹ (500V DC)
Operating temp:	-40°C - +110°C
Stripping Length:	6.5mm
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 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

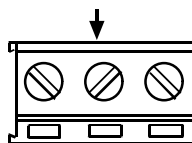
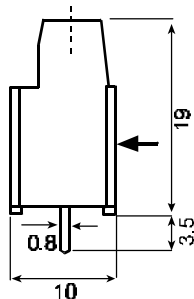
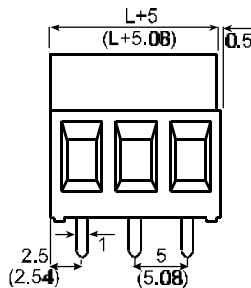
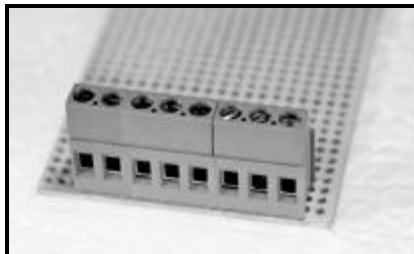
0 = no printing

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

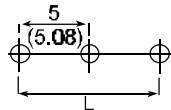
B= regular printing (consecutive #'s L to R)

Custom markings are welcome with minimum order - Contact factory

24A 300V 5 and 5.08mm



PCB Layout



Dimensions

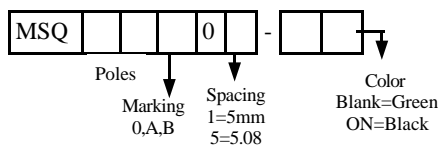
n = number of poles

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

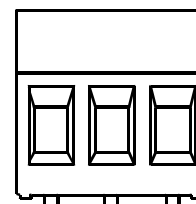
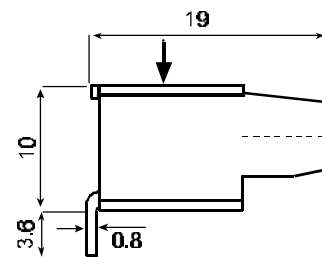
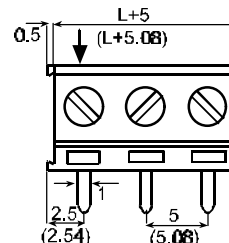
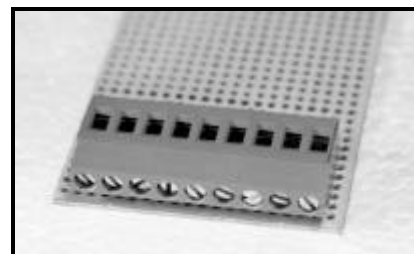
L=(n-1) x 5.08 (for 5.08mm spacing)

(Also available in 10mm and 10.16mm centers)

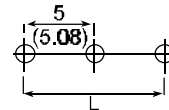
Ordering Information



24A 300V 5 and 5.08mm



PCB Layout



Dimensions

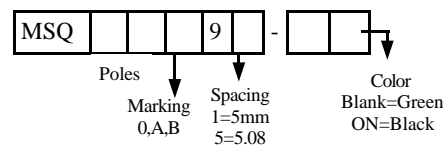
n = number of poles

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



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: (mm ²)	0.05 to 2.5mm ²
Pin Dimension:	1mm x 0.8mm
CR:	<15m
IR:	>10 ⁹ (500V DC)
Operating temp:	-40°C - +110°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 and Black

Marking

Adhesive marking strips for 7.5 and 7.62mm centers

Numbered	Order Number
1-10	ES34000110
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

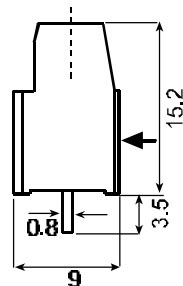
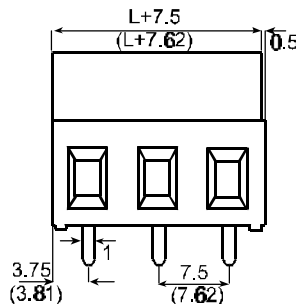
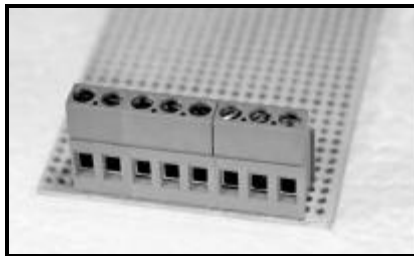
0 = no printing

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

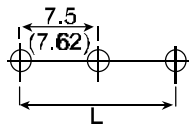
B= regular printing (consecutive #'s L to R)

Custom markings are welcome with minimum order - Contact factory

17.5A 300V 7.5 and 7.62mm



PCB Layout



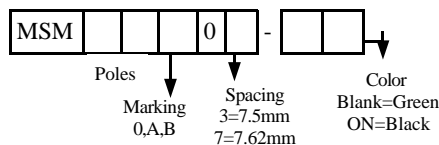
Dimensions

n = number of poles

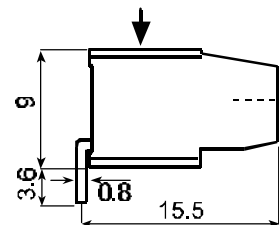
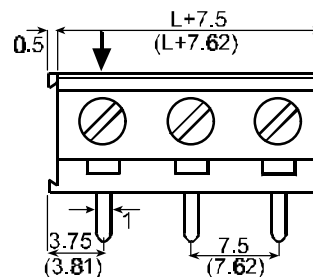
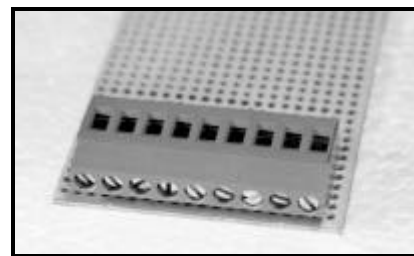
L=(n-1) x 7.50 (for 7.50mm spacing)

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

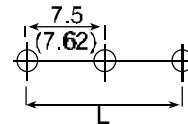
Ordering Information



17.5A 300V 7.5 and 7.62mm



PCB Layout



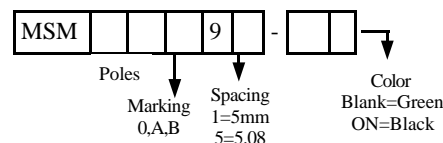
Dimensions

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



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: (mm ²)	0.05 to 4mm ²
Pin Dimension:	1mm x 0.8mm
CR:	<15m
IR:	>10 ⁹ (500V DC)
Operating temp:	-40°C - +110°C
Stripping Length:	6.5mm
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 and Black

Marking

Adhesive marking strips for 7.5 and 7.62mm centers

Numbered	Order Number
1-10	ES34000110
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

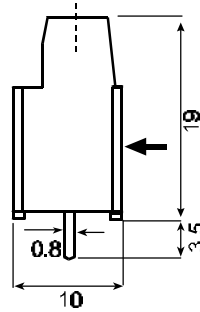
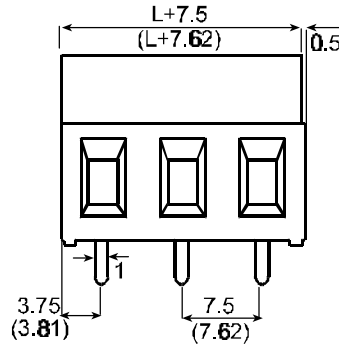
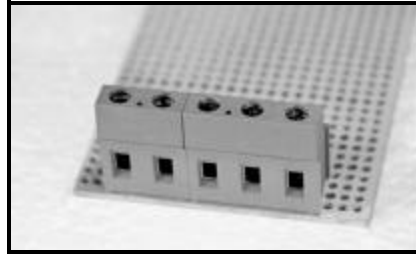
0 = no printing

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

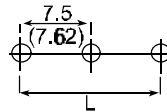
B = regular printing (consecutive #'s L to R)

Custom markings are welcome with minimum order - Contact factory

24A 300V 7.5 and 7.62mm



PCB Layout



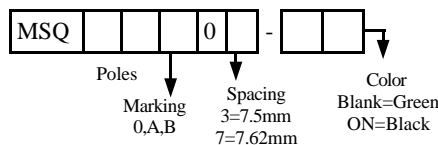
Dimensions

n = number of poles

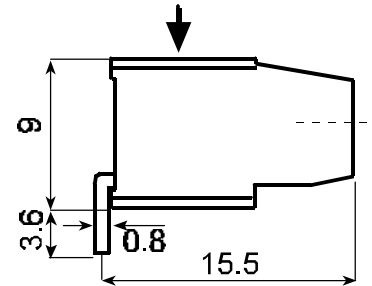
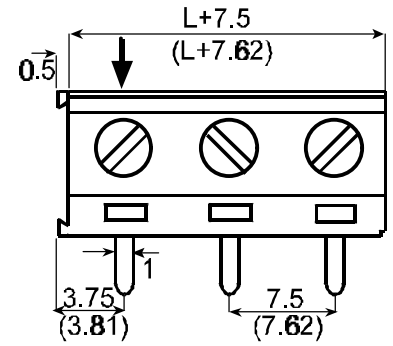
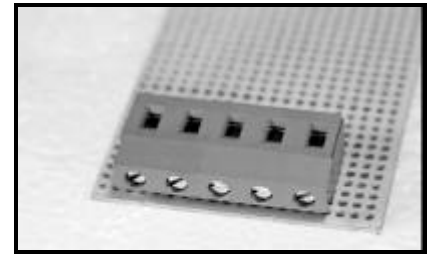
L=(n-1) x 7.50 (for 7.50mm spacing)

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

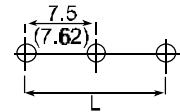
Ordering Information



24A 300V 7.5 and 7.62mm



PCB Layout



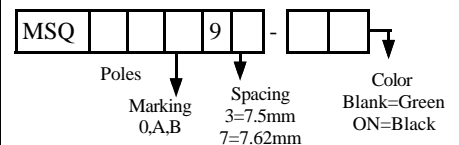
Dimensions

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



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: (mm ²)	0.05 to 1.5mm ²
Pin Dimension:	0.9mm x 0.5mm
CR:	<15m
IR:	>10 ⁹ (500V DC)
Operating temp:	-40°C - +110°C
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

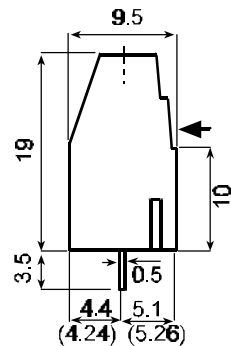
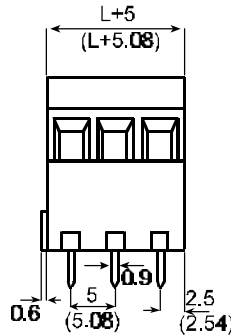
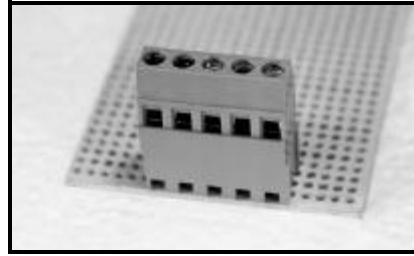
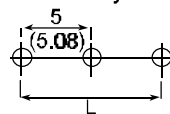
0 = no printing

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

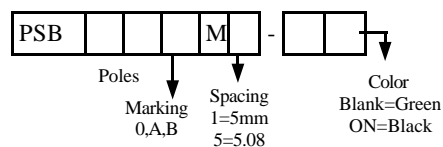
**PCB Layout****Dimensions**

n = number of poles

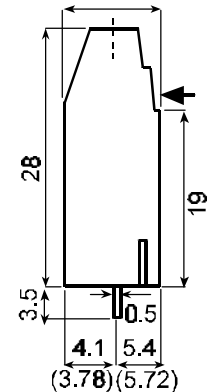
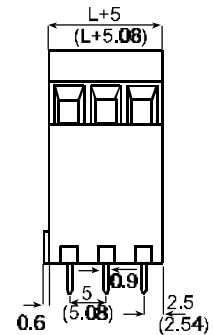
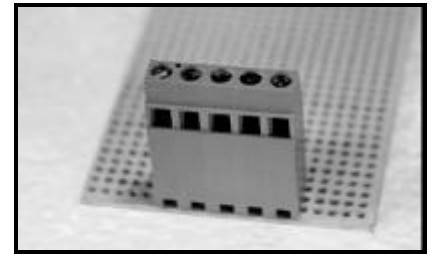
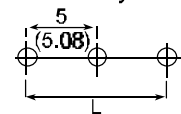
L=(n-1) x 5.00 (for 5.00mm spacing)

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

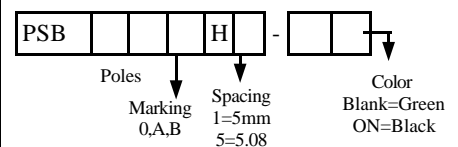
**PCB Layout****Dimensions**

n = number of poles

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

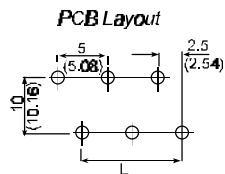
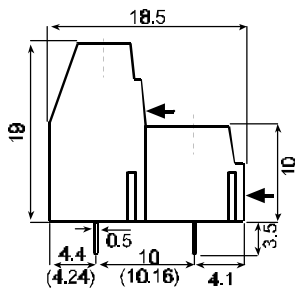
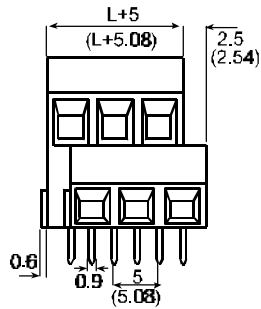
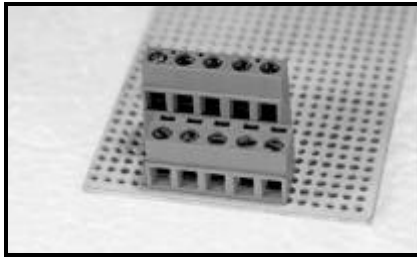
L=(n-1) x 5.08 (for 5.08mm spacing)

(Also available in 10mm and 10.16mm centers)

Ordering Information

PSB D Series

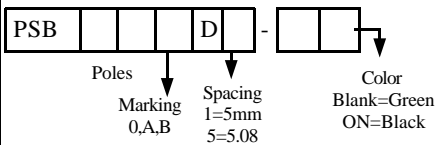
13.5A 300V 5 and 5.08mm



Dimensions

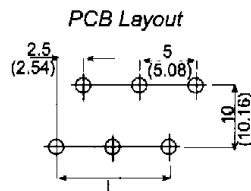
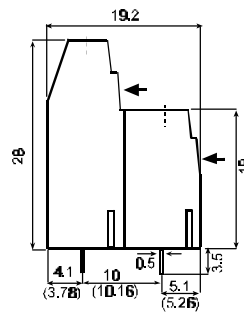
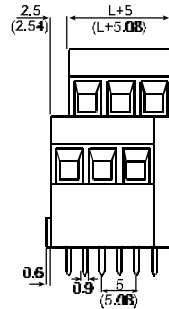
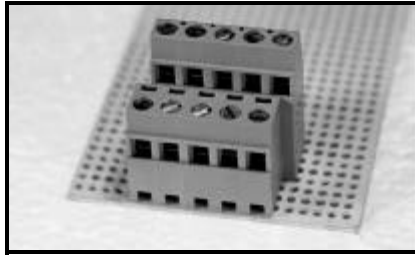
n = number of poles
 $L=(n-1) \times 5.00$ (for 5.00mm spacing)
 $L=(n-1) \times 5.08$ (for 5.08mm spacing)

Ordering Information



PSB K Series

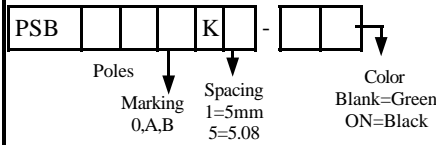
13.5A 300V 5 and 5.08mm



Dimensions

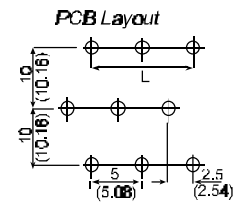
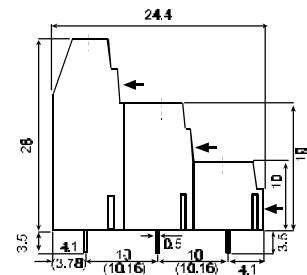
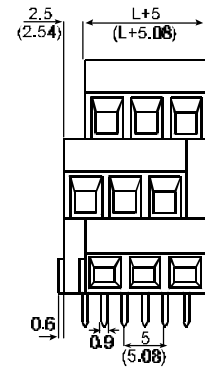
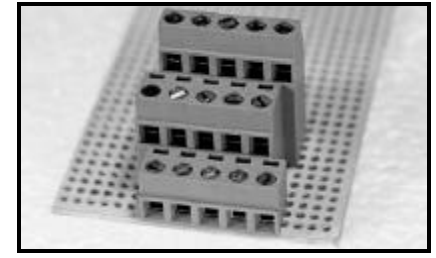
n = number of poles
 $L=(n-1) \times 5.00$ (for 5.00mm spacing)
 $L=(n-1) \times 5.08$ (for 5.08mm spacing)

Ordering Information



PSB T Series

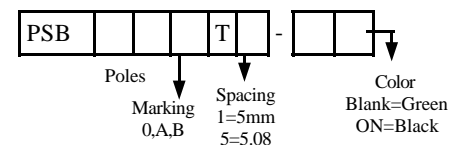
13.5A 300V 5 and 5.08mm



Dimensions

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

Ordering Information



17.5A 300V

5 and 5.08mm

17.5A 300V

5 and 5.08mm

Specifications: PSM Series**Features:**

- *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

Current:	17.5A @ 300V
Wire range:	12 to 30 AWG
Wire section(mm ²):	0.05 to 2.5mm ²
Pin dimension:	1mm x 0.8mm
CR:	<15mΩ
IR:	>10 ⁹ Ω (500V DC)
Operating temp:	-40°C to +110°C
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

Materials

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

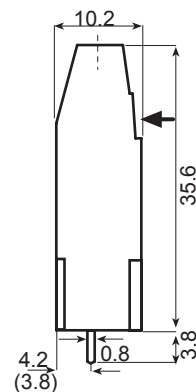
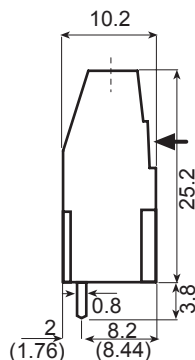
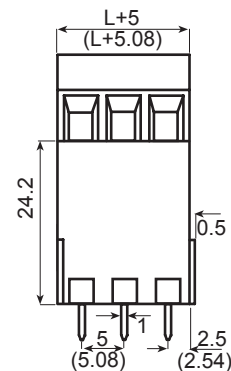
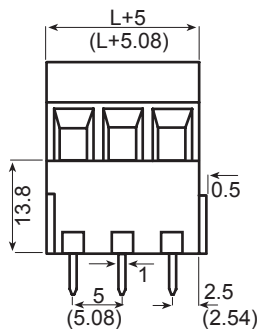
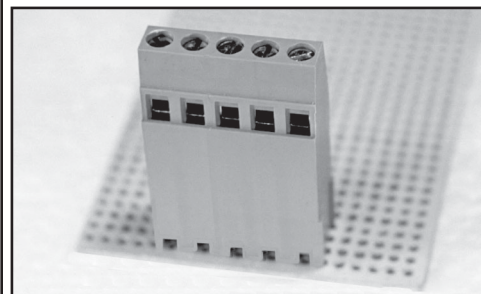
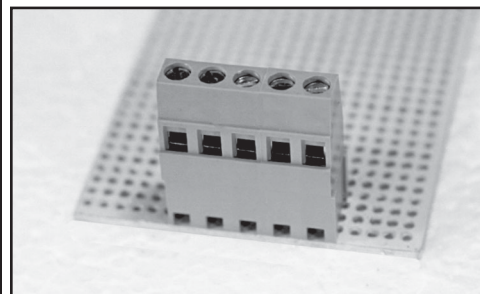
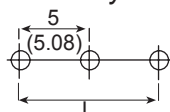
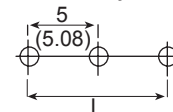
Ink marking by factory (specify in order number):
Factory ink is permanent and will not rub off. Ink has fluorescent tint for greater visibility.

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.

**PCB Layout****PCB Layout****Dimensions**

n=number of poles

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

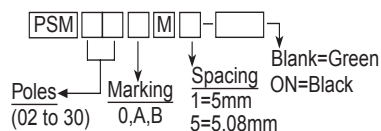
L=(n-1) x 5.08 (for 5.08mm spacing)

Dimensions

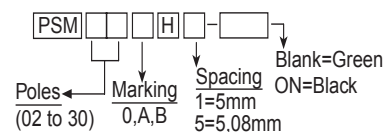
n=number of poles

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.

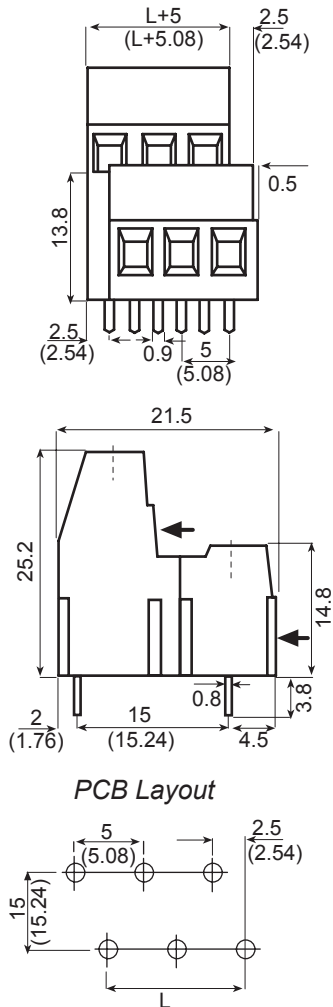
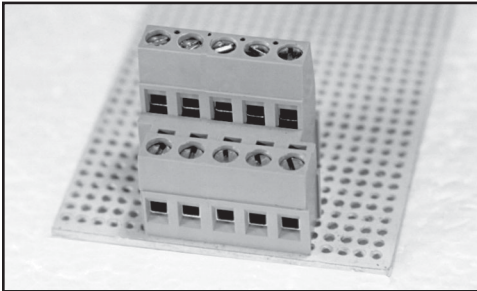
Ordering Information

Also available in 10mm and 10.16mm centers.

PSM D Series

17.5A 300V

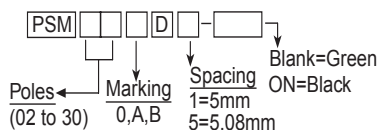
5 and 5.08mm



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

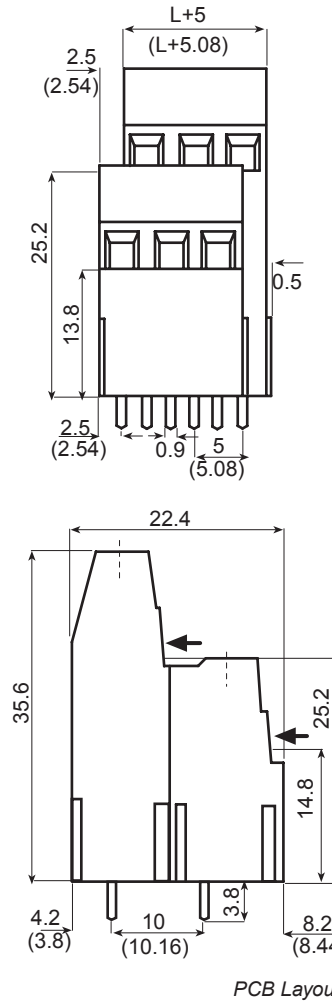
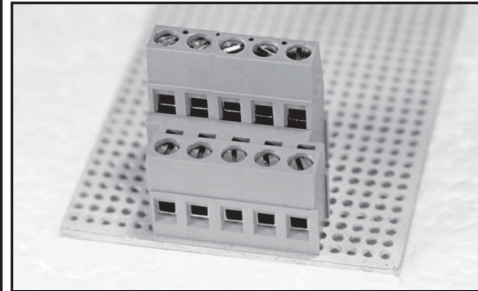


Also available in 10mm and 10.16mm centers.

PSM K Series

17.5A 300V

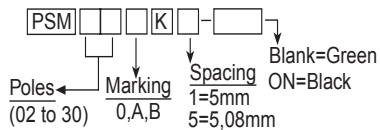
5 and 5.08mm



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

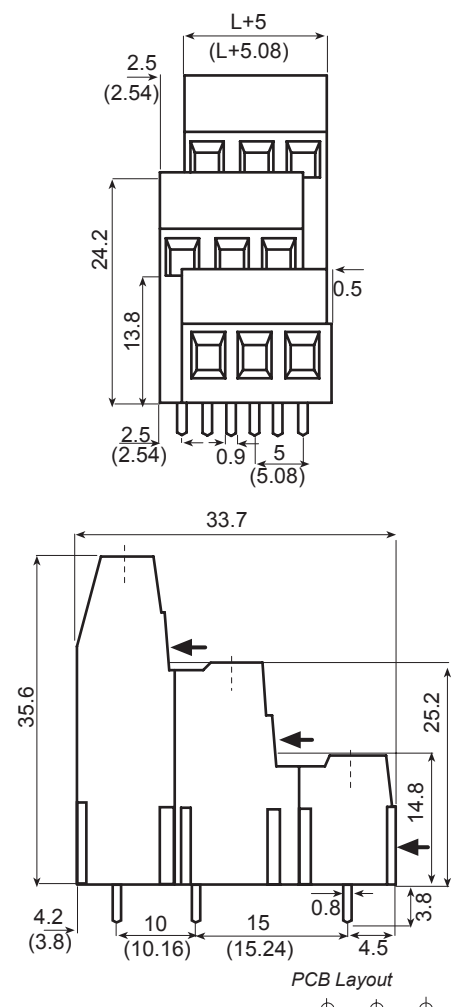
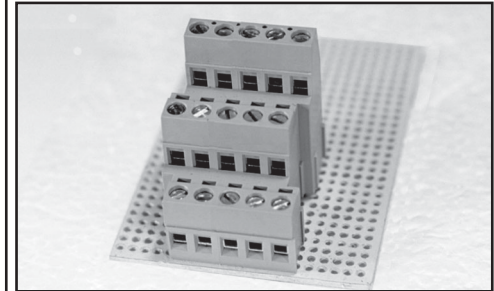


Also available in 10mm and 10.16mm centers.

PSM T Series

17.5A 300V

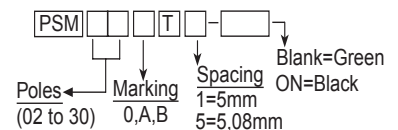
5 and 5.08mm



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.

24A 300V

5 and 5.08mm

24A 300V

5 and 5.08mm

Specifications: PSQ Series**Features:**

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

Electrical

Current:	24A @ 300V
Wire range:	12 to 30 AWG
Wire section(mm ²):	0.05 to 4mm ²
Pin dimension:	1mm x 0.8mm
CR:	<15mΩ
IR:	>10 ⁹ Ω (500V DC)
Operating temp:	-40°C to +110°C
Stripping length:	6.5mm
Torque:	0.5 Nm
PCB holes:	min 1.4mm
PCB thickness:	max 2.4mm
Climactic category:	40/110/21 Acc. to IEC 68-1

Materials

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):

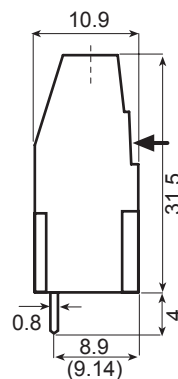
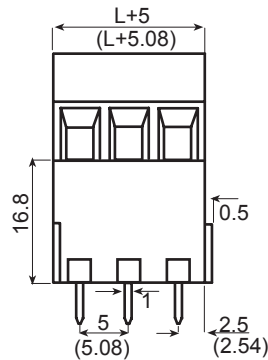
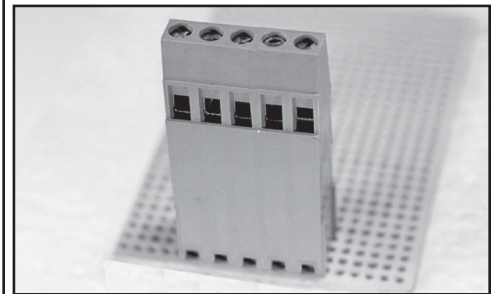
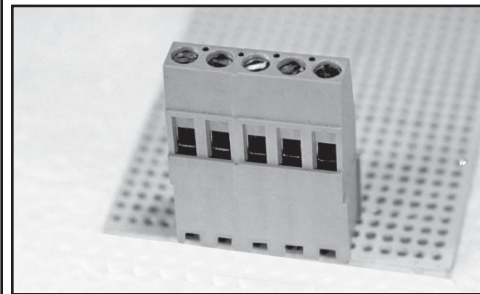
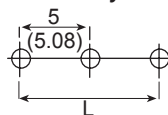
Factory ink is permanent and will not rub off. Ink has fluorescent tint for greater visibility.

0=no printing

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

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

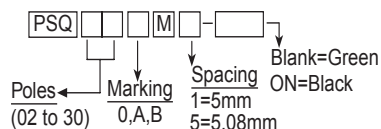
Custom markings are welcome with minimum order. Contact factory for information.

**PCB Layout****Dimensions**

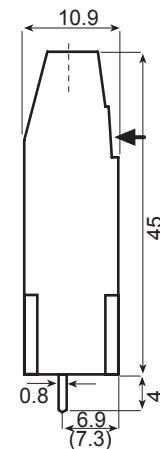
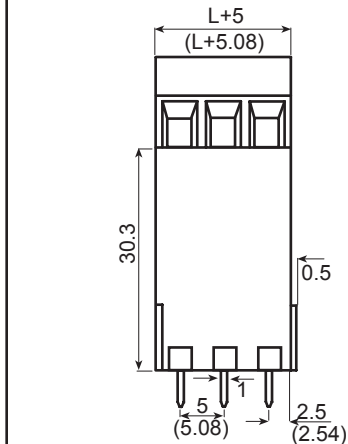
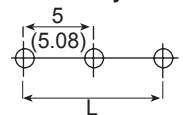
n=number of poles

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

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

Ordering Information

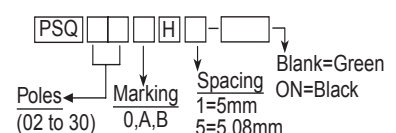
Also available in 10mm and 10.16mm centers.

**PCB Layout****Dimensions**

n=number of poles

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

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

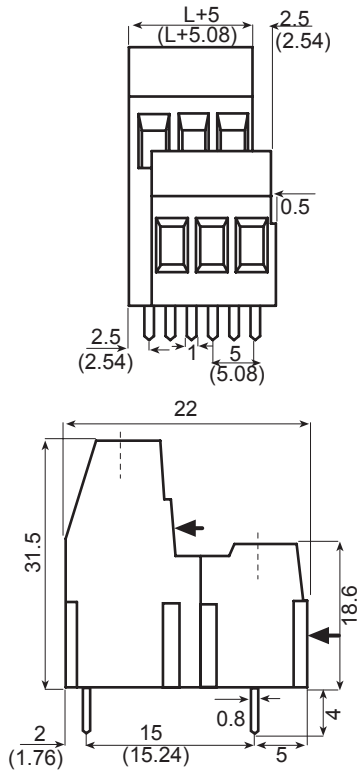
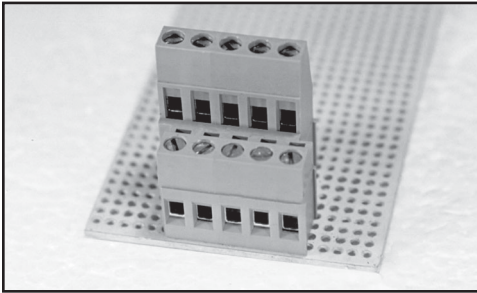
Ordering Information

Also available in 10mm and 10.16mm centers.

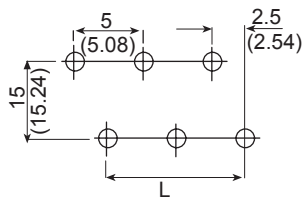
PSQ D Series

24A 300V

5 and 5.08mm



PCB Layout



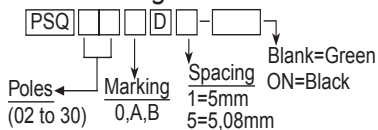
Dimensions

n=number of poles

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

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

Ordering Information

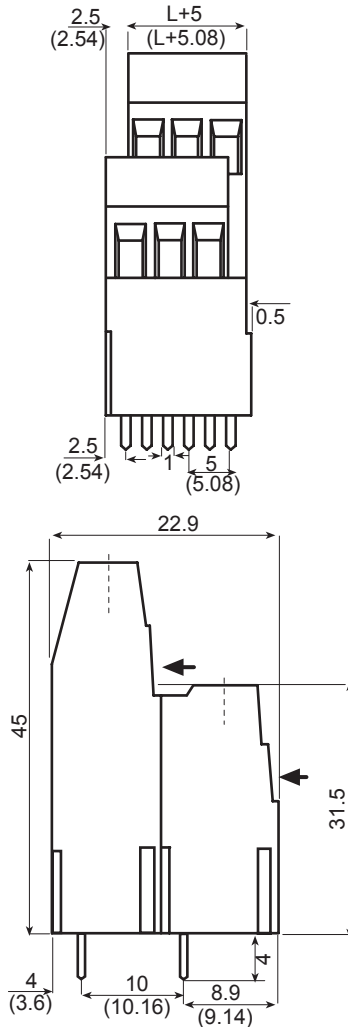
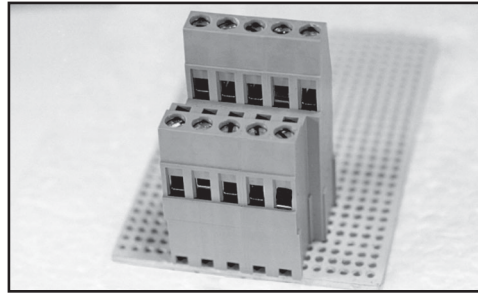


Also available in 10mm and 10.16mm centers.

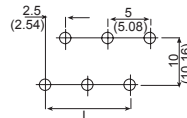
PSQ K Series

24A 300V

5 and 5.08mm



PCB Layout



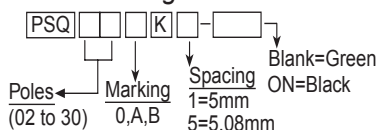
Dimensions

n=number of poles

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

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

Ordering Information

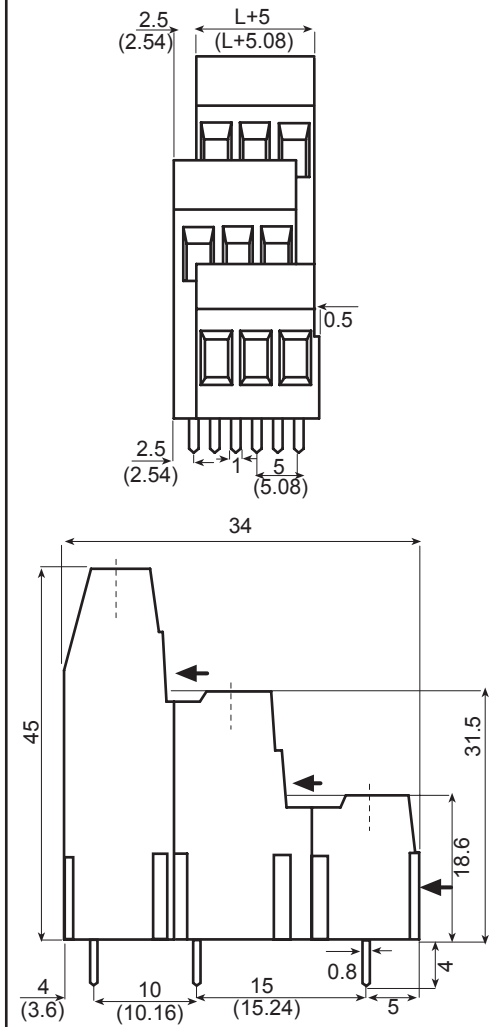
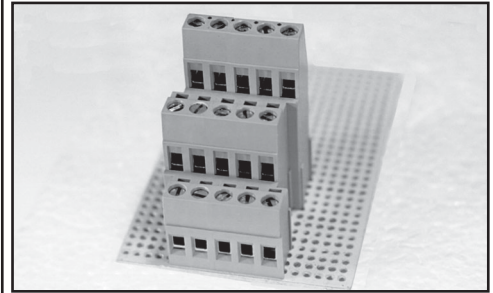


Also available in 10mm and 10.16mm centers.

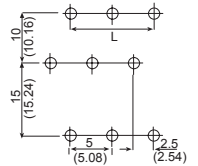
PSQ T Series

24A 300V

5 and 5.08mm



PCB Layout



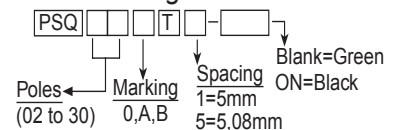
Dimensions

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.

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

Current:	32A @ 150V
Wire range:	10 to 22 AWG
Pin dimension:	0.8mm x 0.8mm
Withstanding voltage:	AC 2000V/min
IR:	>1000MΩ (500V DC)
Operating temp:	-30°C to +120°C
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

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

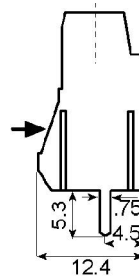
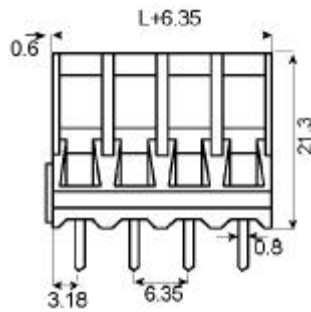
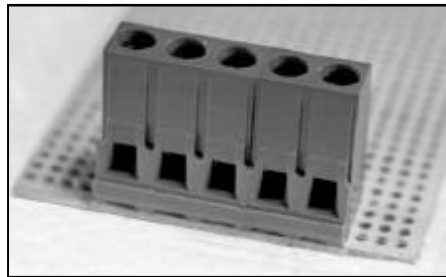
Current:	26A @ 300V
Wire range:	12 to 22 AWG
Pin dimension:	0.8mm x 0.9mm
Withstanding voltage:	AC 2000V/min
IR:	>1000MΩ (500V DC)
Operating temp:	-30°C to +130°C
Stripping length:	7.5mm
Torque:	7 lb-in
PCB holes:	min 1.2mm
PCB thickness:	max 2.4mm

Materials

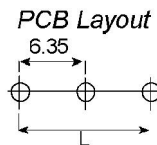
Housing:	Polyester
Clamp:	Steel, Zn plated
Terminal:	Brass, Tin plated
Screw:	M2.5, Steel, Zinc plated
Colors available:	Green

32A 150V

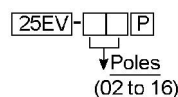
6.35mm



.250" centerline block

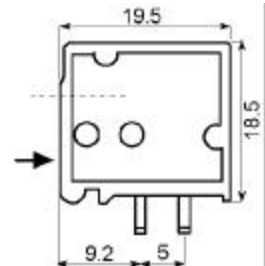
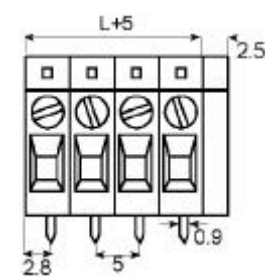
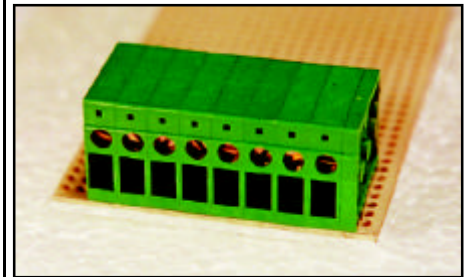


Dimensions
n=number of poles
L=(n-1) x 6.35

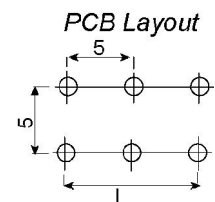
Ordering Information

26A 300V

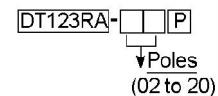
5 mm



Same side screw and wire entry



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

Ordering Information

Also available in 7.5mm centers.

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
Withstanding voltage:	AC 2000V/min
IR:	>1000MΩ (500V DC)
Operating temp:	-40°C to +105°C
Stripping length:	6mm
Torque:	7 lb-in
PCB holes:	min 1.2mm
PCB thickness:	max 3.8mm

Materials

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

Specifications **EK381V4L Series**

Features:

- *Small spacing and dual level style saves PCB real estate
- *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

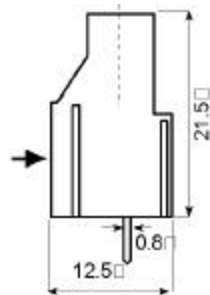
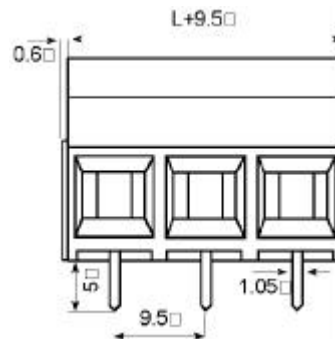
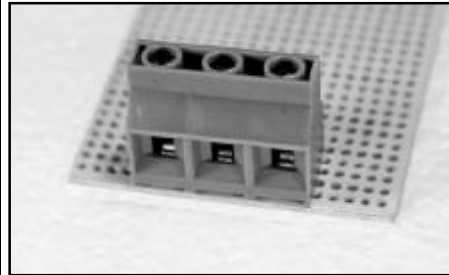
Current:	10A @ 300V
Wire range:	18 to 24 AWG
Pin dimension:	0.9mm x 0.55mm
Withstanding voltage:	AC 1500V/min
IR:	>500MΩ (500V DC)
Operating temp:	-40°C to +105°C
Stripping length:	4mm
Torque:	2kg-cm
PCB holes:	min 1.1mm
PCB thickness:	max 2.4mm

Materials

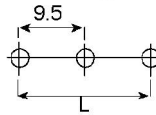
Housing:	Polyamide 6,6
Clamp:	Steel, Zinc plated
Terminal:	Brass, Tin plated
Screw:	M2, Steel, Zinc plated
Colors available:	Green

30A 300V

9.5mm



PCB Layout

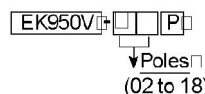


.375" centerline block

Dimensions

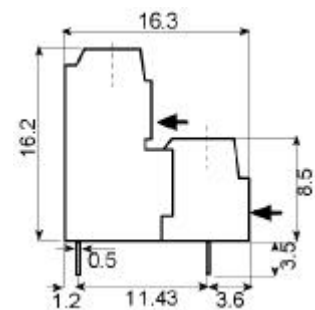
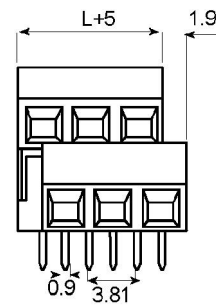
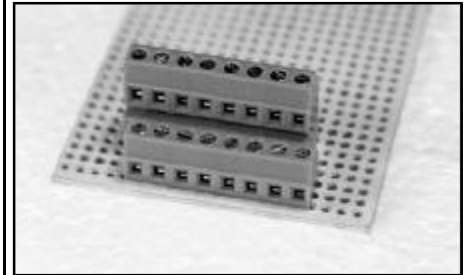
n=number of poles
L=(n-1) x 9.5

Ordering Information



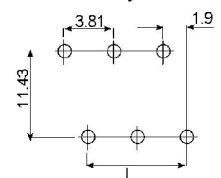
10A 300V

3.81mm



Miniature Dual Tier

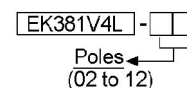
PCB Layout



Dimensions

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

Ordering Information



12A 300V

5mm

12A 300V

5mm

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: ϕ 1.3mm
- CR: <15 m Ω
- IR: >10⁹ Ω (500V DC)
- Operating temp: -40°C to 110°C
- Stripping length: 5mm
- Torque: 3.5 lb-in
- 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
41-50	ESA14004150

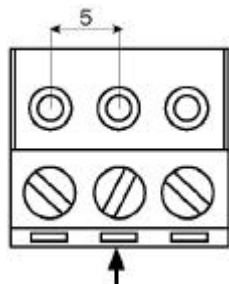
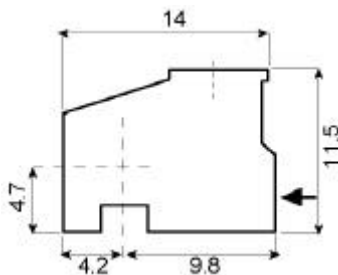
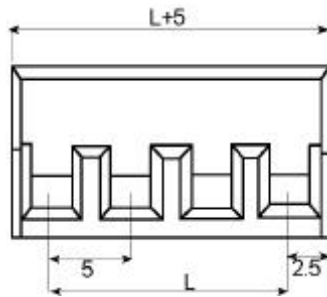
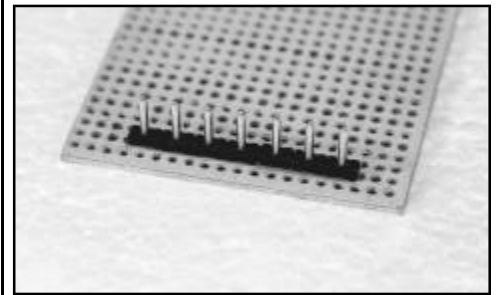
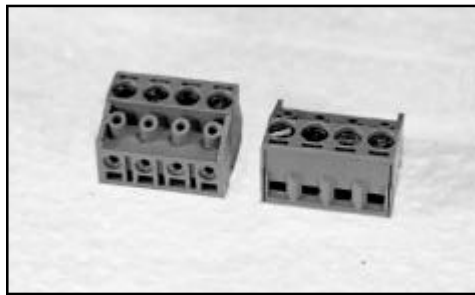
Ink marking by factory (specify in order number):
Factory ink is permanent and will not rub off. Ink has fluorescent tint for greater visibility.

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.

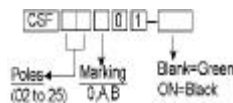


Elevator Clamp System

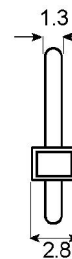
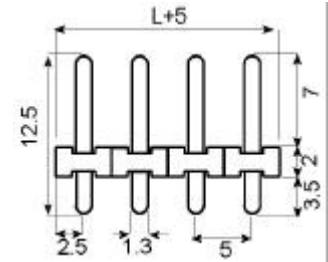
Dimensions

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

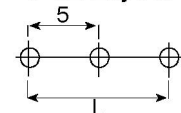
Ordering Information



Also available in 10mm centers.



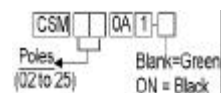
PCB Layout



Dimensions

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

Ordering Information



Also available in 10mm centers.

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

Current:	10A @ 250V
Wire range:	14 to 22 AWG
Pin diameter:	φ1.3mm
CR:	<20 mΩ
IR:	>5000MΩ(500V DC)
Operating temp:	-33°C to 120°C
Stripping length:	5mm
Torque:	4.5 in-lb
PCB holes:	min 1.6mm
PCB thickness:	max 2.4mm

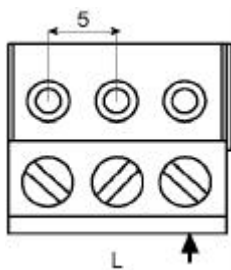
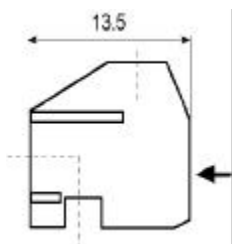
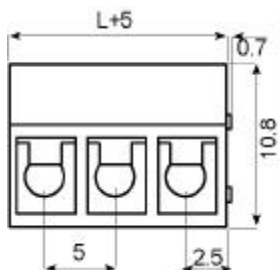
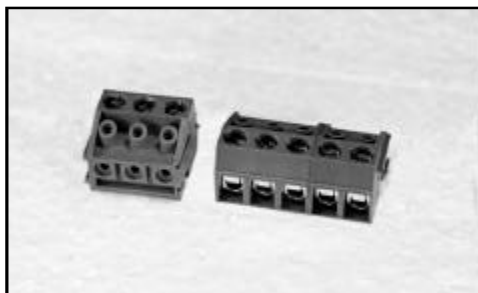
Materials

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

10A 250V 5mm

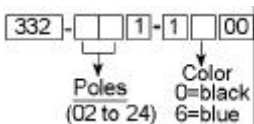


Wire Protector Version

Dimensions

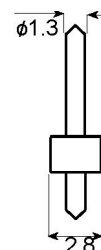
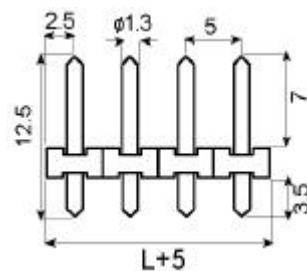
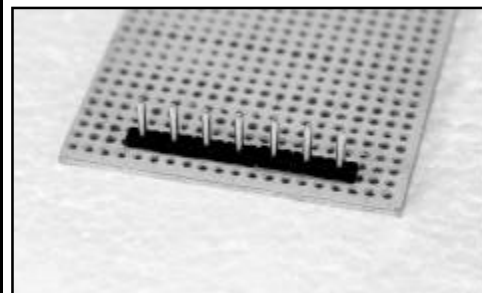
n=number of poles
L=(n-1) x 5

Ordering Information

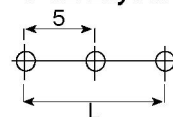


Also available in 10mm centers.

10A 250V 5mm



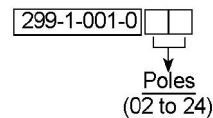
PCB Layout



Dimensions

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

Ordering Information



Also available in 10mm centers.

12A 300V 5 and 5.08mm

12A 300V 7.5 and 7.62mm

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 mΩ
- IR: >10⁹ Ω (500V DC)
- Operating temp: -40°C to 110°C
- Stripping length: 6mm
- Torque: 3.5 in-lb
- 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

- Housing: 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.

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

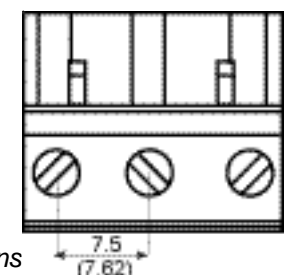
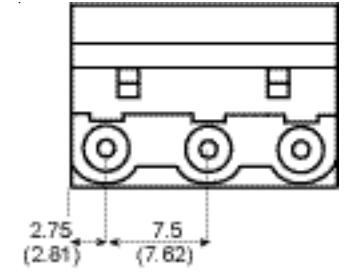
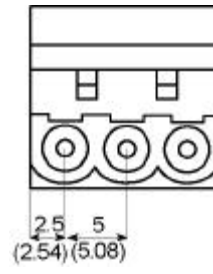
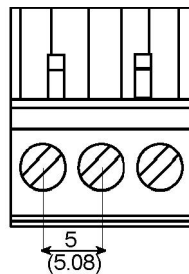
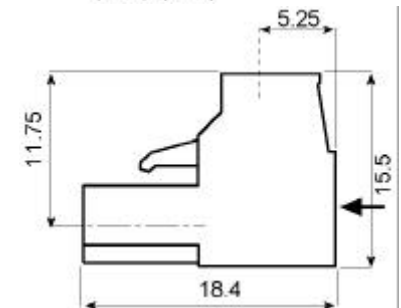
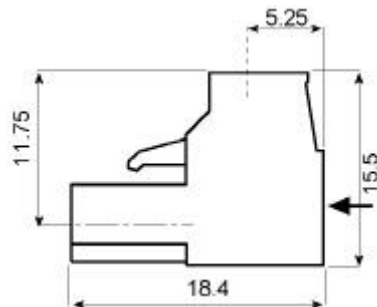
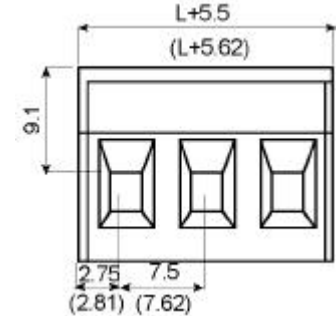
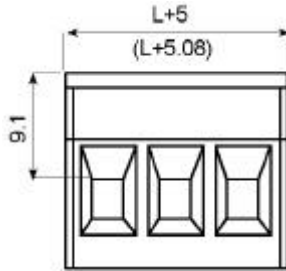
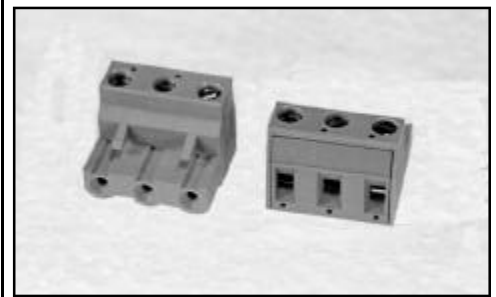
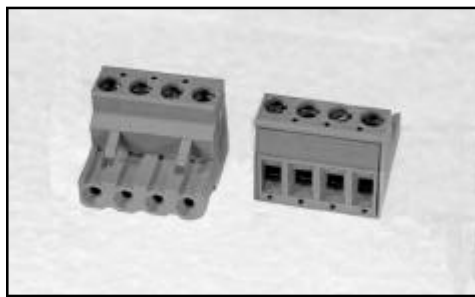
Numbered marking strips **7.5 and 7.62mm** centers.

Numbered	Order Number
1-10	ESA34000110
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.



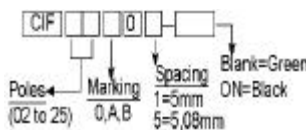
Dimensions

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

Dimensions

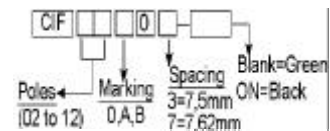
n=number of poles
L=(n-1) x 7.5 (for 7.5mm spacing)
L=(n-1) x 7.62 (for 7.62mm spacing)

Ordering Information



Also available in 10mm and 10.16mm centers.

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

- Current: 12A @ 300V
- Wire range: 12 to 30 AWG
- Wire section(mm²): 0.05 to 2.5mm²
- CR: <15 mΩ
- IR: >10⁹ Ω (500V DC)
- Operating temp: -40°C to 110°C
- Stripping length: 6mm
- Torque: 3.5 in-lb
- 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

- Housing: 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

Numbered 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.

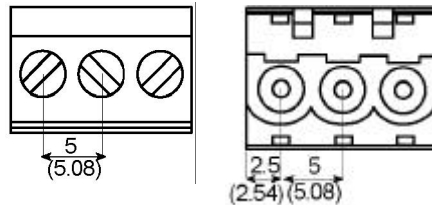
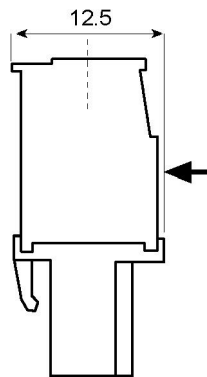
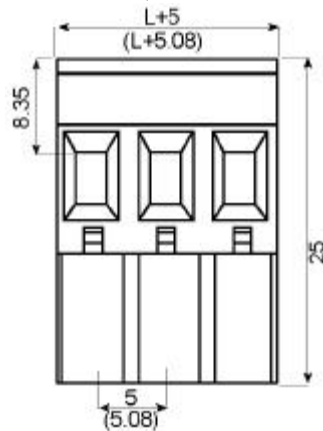
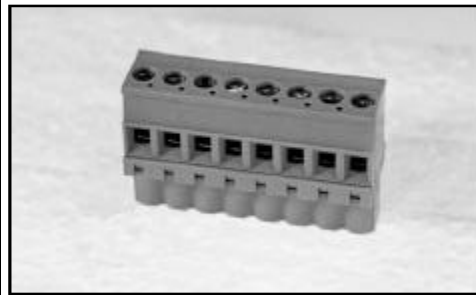
0=no printing

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.

12A 300V 5 and 5.08mm



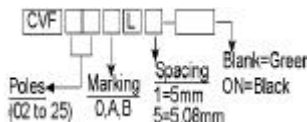
Dimensions

n=number of poles

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

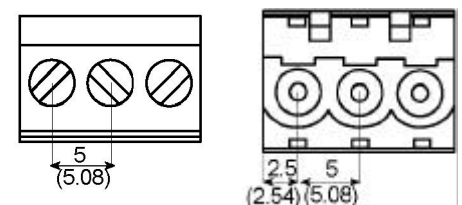
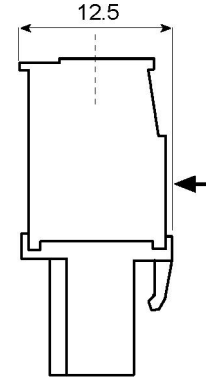
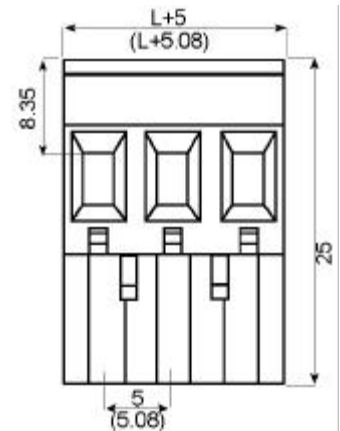
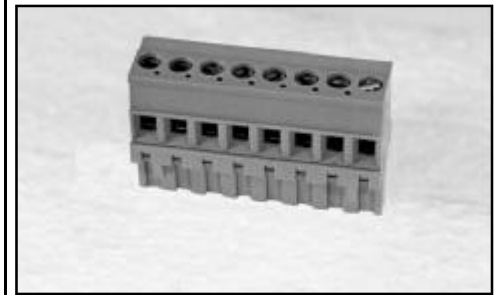
L=(n-1) x 5.08 (for 5.08mm spacing)

Ordering Information



Also available in 10mm and 10.16mm centers.

12A 300V 5 and 5.08mm



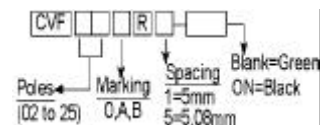
Dimensions

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.

12A 300V 7.5 and 7.62mm

12A 300V 7.5 and 7.62mm

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 mΩ
- IR: >10⁹ Ω (500V DC)
- Operating temp: -40°C to 110°C
- Stripping length: 6mm
- Torque: 3.5 lb-in
- 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

- Housing: 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

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.

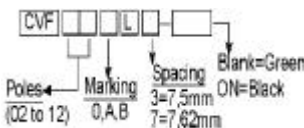
- 0=no printing
- A=upside down printing (consecutive #'s R to L)
- B=regular printing (consecutive #'s L to R)

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

Dimensions

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

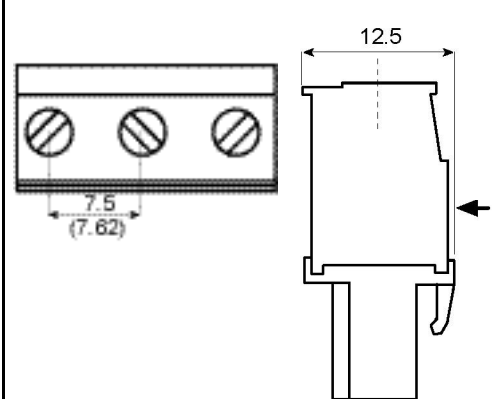
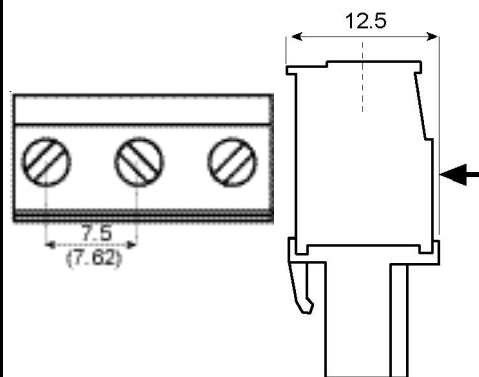
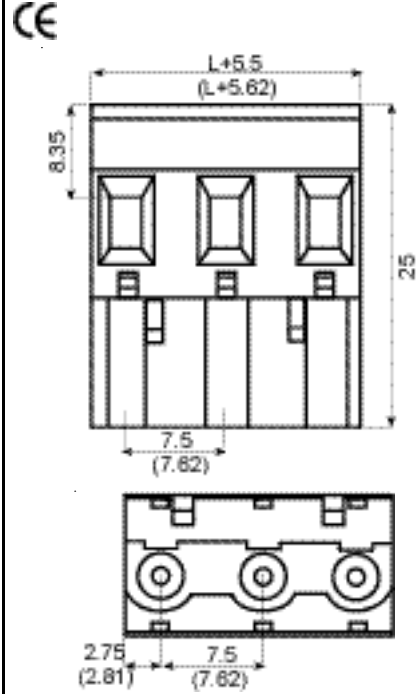
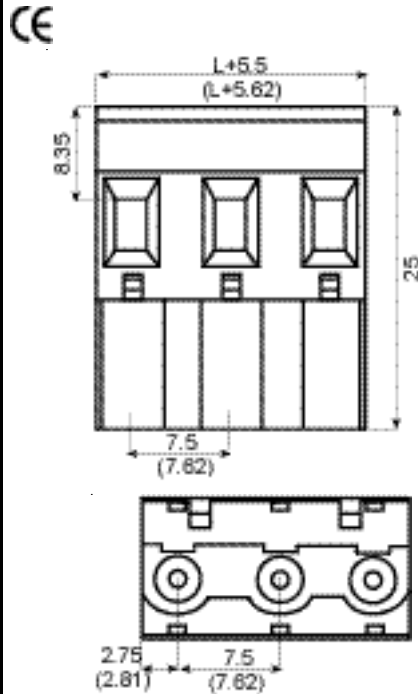
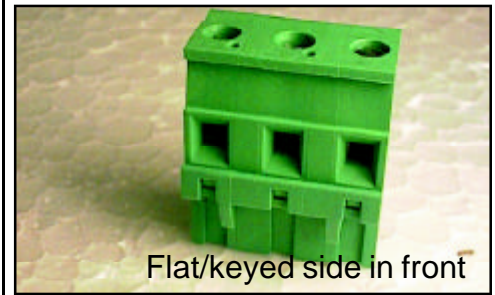
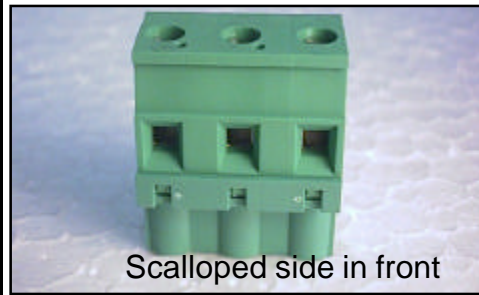
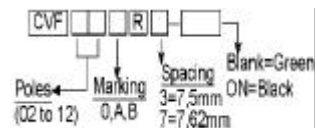
Ordering Information



Dimensions

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: 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.

Electrical

- Current(5/5.08): 12A @ 300V
- Current(7.5/7.62): 12A @ 300V
- Pin dimension: 1mm x 1mm
- CR: <15mΩ
- IR: >10⁹ Ω (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

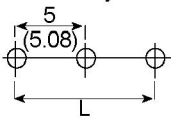
Materials

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

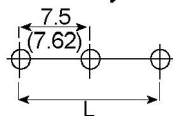
Marking

Consult factory for marking options.

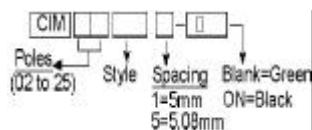
PCB Layout



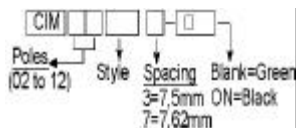
PCB Layout



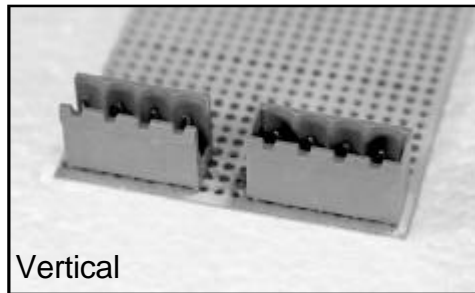
Ordering Information
5 and 5.08



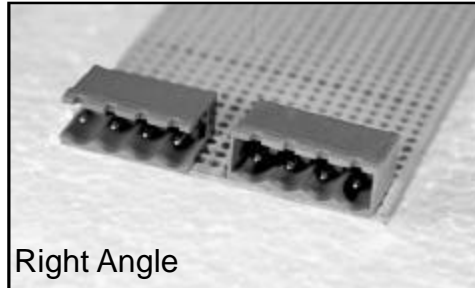
7.5 and 7.62



12A 300V 5 and 5.08mm



Vertical



Right Angle

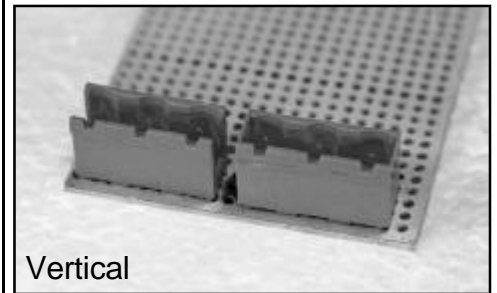


Style	Front	Side
0P closed end vertical		
0A open end vertical		
9P closed end right angle		
9A open end right angle		

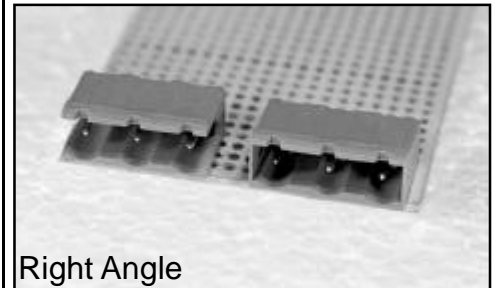
Dimensions

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.

12A 300V 7.5 and 7.62mm



Vertical



Right Angle



Style	Front	Side
0P closed end vertical		
0A open end vertical		
9P closed end right angle		
9A open end right angle		

Dimensions

n=number of poles
 L=(n-1) x 7.5 (for 7.5mm spacing)
 L=(n-1) x 7.62 (for 7.62mm spacing)

12A 300V

5 and 5.08mm

Specifications: CIM-E Series

Features:

- *CIM Ejector headers for use with CIF and CVF plugs
- *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

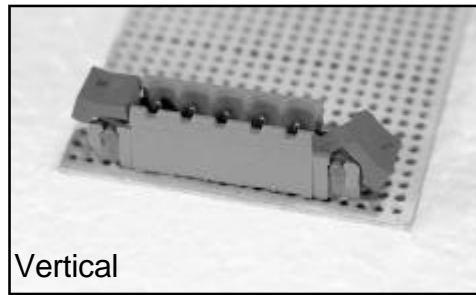
- Current(5/5.08): 12A @ 300V
- Pin dimension: 1mm x 1mm
- CR: <15mΩ
- IR: >10⁹ Ω (500V DC)
- Operating temp: -40°C to +110°C
- PCB holes: min 1.4mm
- PCB thickness: max 2.4mm
- Climactic category: 40/110/21 Acc. to IEC 68-1
- Insertion force: max 3 N
- Disconnecting force: min 1.5 N

Materials

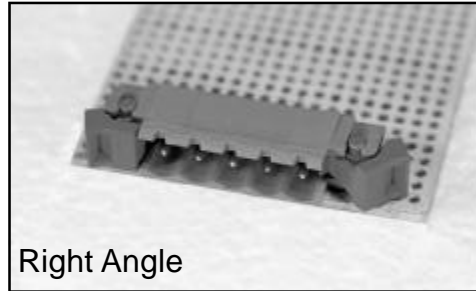
- Housing: Polyamide 6,6 (UL94V-0)
- Terminal pin: Bronze, Tin plated
- Colors available: Green is standard
Black is optional

Marking

Consult factory for marking options.



Vertical

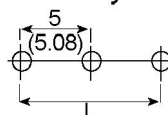


Right Angle

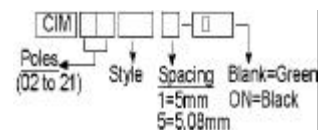


Style	Front	Side
<p>0E</p> <p>ejector end vertical</p>		
<p>9E</p> <p>ejector end right angle</p>		

PCB Layout



Ordering Information
5 and 5.08



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.

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
 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
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)

Specifications: **301/312 Series**

Features:

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

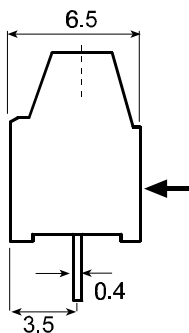
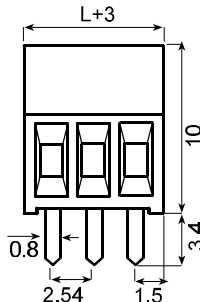
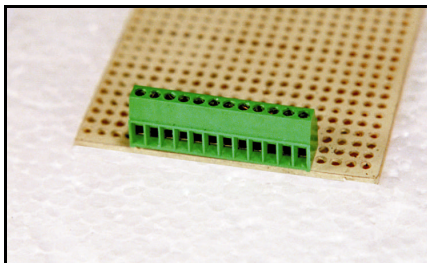
Electrical

Current: 7A @ 250V
 Wire Range: 18 to 26 AWG
 Pin Dimension: 0.9mm
 CR: <15m
 IR: >5000M (500V DC)
 Operating Temp: -55°C - +105°C
 Stripping Length: 4.5mm
 Torque: 2.5 lb-in.
 PCB holes min 1.2mm

Materials

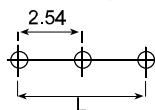
Housing: Nylon FR15-UL94V0
 Metal Housing: Brass, Cu, tin plated
 Wire Guard: Stainless steel
 Terminal: Brass, Tin plated
 Screw: M2, steel, zinc plated, yellow chromated

10A 150V 2.54 mm



Smallest Spacing Available

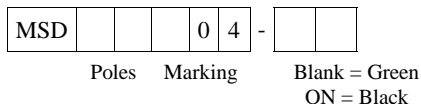
PCB Layout



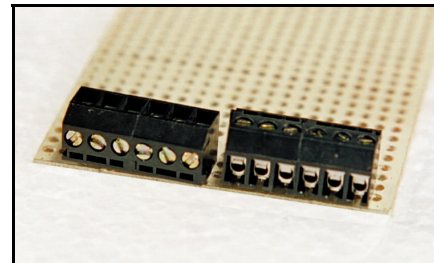
Dimensions

n = number of poles
 L=(n-1) x 2.54

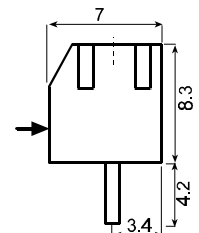
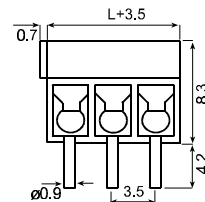
Ordering Information



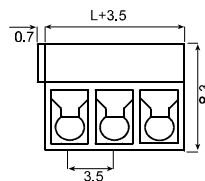
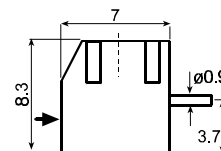
7A 250V 3.50 mm



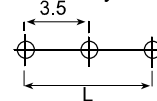
302 Series (vertical)



312 Series (right angle)



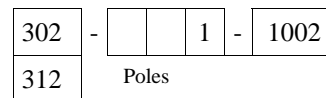
PCB Layout



Dimensions

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

Ordering Information



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

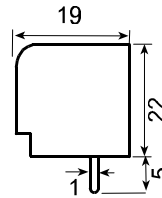
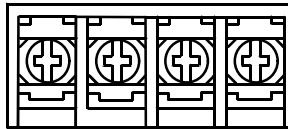
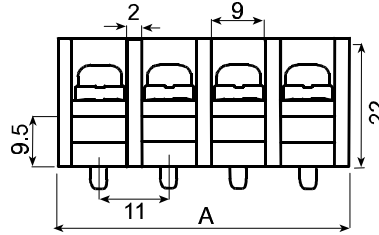
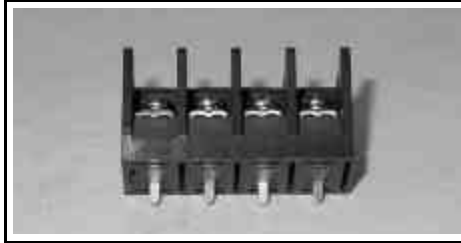
Electrical:

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

Materials:

Housing: PBT (UL 94V-O)
 Terminal: Brass tin-plated
 Screw: M4 Steel, Ni plated
 Positions Available: 2-25

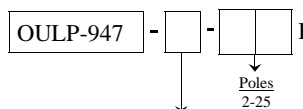
30A 300V 11 mm (.433")



Dimensions

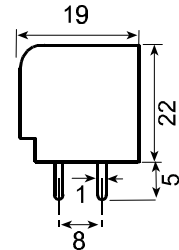
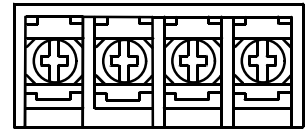
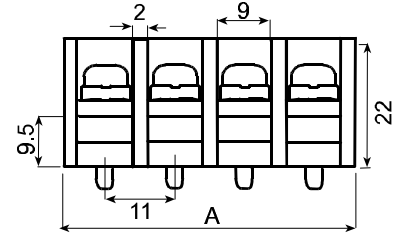
n= number of poles
 A=(nx11) + 2

Ordering Information



Mounting
 B= no mtg. ears
 M= with mtg. ears

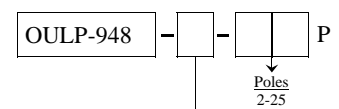
30A 600V 11 mm (.433")



Dimensions

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

Ordering Information



Mounting
 B= no mtg. ears
 M= with mtg. ears

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

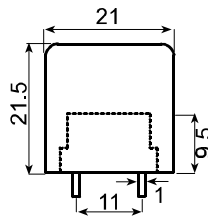
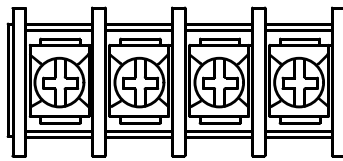
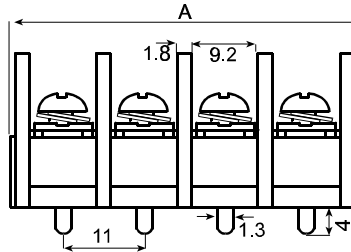
Electrical:

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

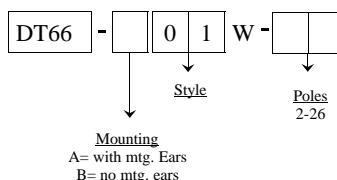
40A 600V 11 mm (.433")



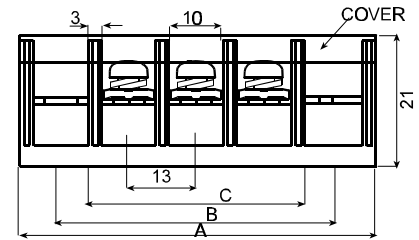
Dimensions

n= number of poles
 $A=(n \times 11) + 3$

Ordering Information



40A 600V 13 mm (.512")

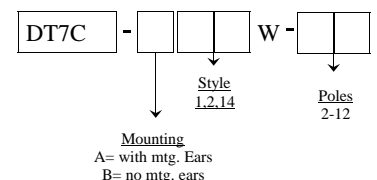


Style	Front	Side
01 Centerline PC		
02 Solder tail		
14 Right Angle PC		

Dimensions

n= number of poles
 $A=(n \times 13) + 29$ (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

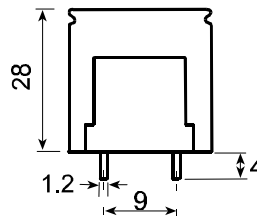
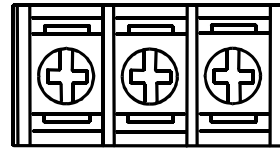
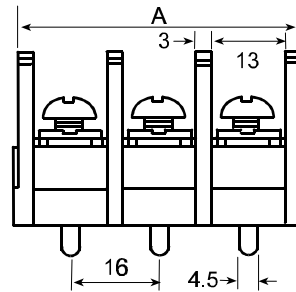
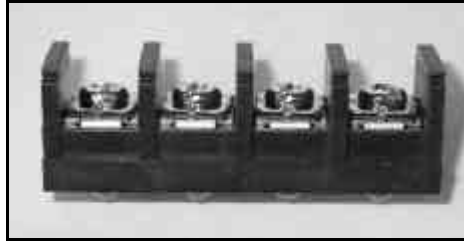
Electrical:

Current: 60A @ 600V
 Wire Range: 6 AWG
 Pin Dimension: 4.5mm x 1.2mm
 IR: >10 (1000V DC)
 Operating temp: -40°C - +90°C

Materials:

Housing: PBT (UL 94V-O)
 Terminal: Brass tin-plated
 Screw: M5 Steel, Ni plated
 Positions Available: 2-20

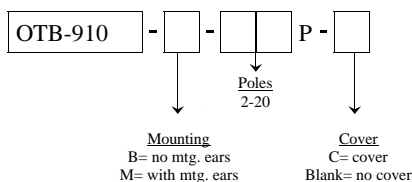
60A 600V 16 mm (.630")



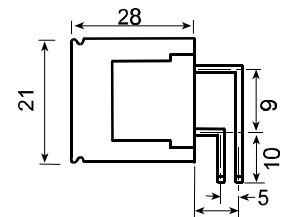
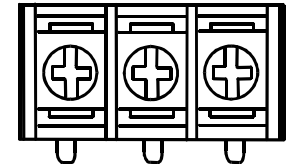
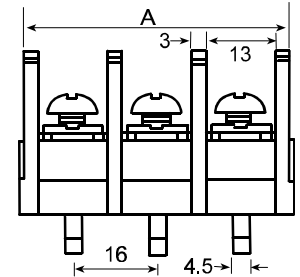
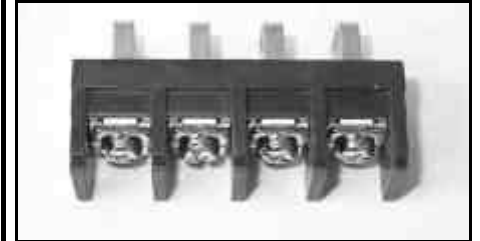
Dimensions

n= number of poles
 $A=(n \times 16) + 3.4$

Ordering Information



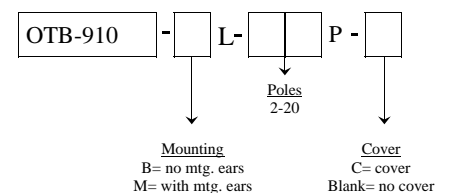
60A 600V 16 mm (.630")



Dimensions

n= number of poles
 $A=(n \times 16) + 3.4$

Ordering Information



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

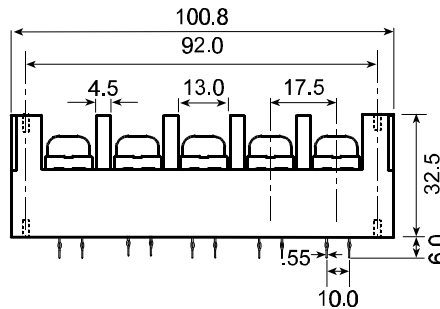
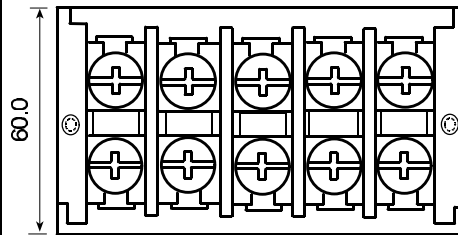
Electrical:

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

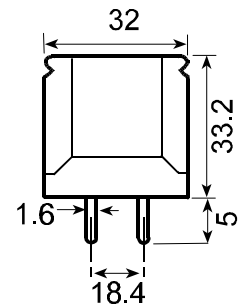
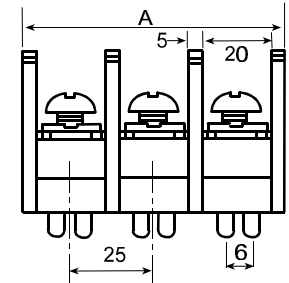
Materials:

Housing: PBT (UL 94V-O)
 Terminal: Brass tin-plated
 Screw: M5 Steel, Ni plated
 Positions Available: 5

30A 300V 17.5 mm (.689")



130A 600V 25 mm (.984")



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:

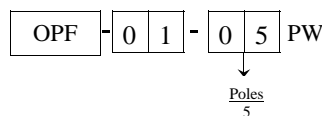
Current: 130A @ 600V
 Wire Range: 3 - 1 AWG
 Pin Dimension: 3.6mm x 1.6mm
 IR: >10 (500V DC)
 Operating temp: -40°C - +90°C

Materials:

Housing: PBT (UL 94V-O)
 Terminal: Brass tin-plated
 Screw: M8 Steel, Ni plated
 Positions Available: 2-8

*Compliant Pins
 Press Fit into PCB
 No Soldering Required*

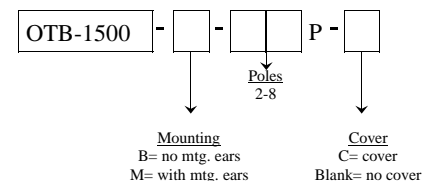
Ordering Information



Dimensions

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

Ordering Information



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
 IR: >10 (500V DC)
 Operating temp: -40°C - +90°C

Materials:

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

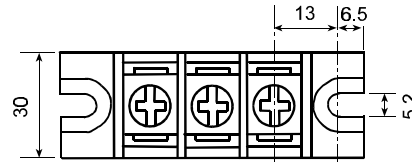
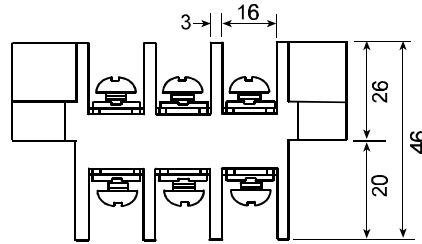
Electrical:

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

Materials:

Housing: PBT (UL 94V-O)
 Terminal: Brass Ni plated
 Screw: M6 Steel, Ni plated
 Positions Available: 2-15

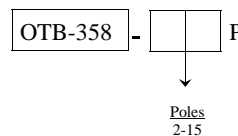
60A 600V 16 mm (.629")



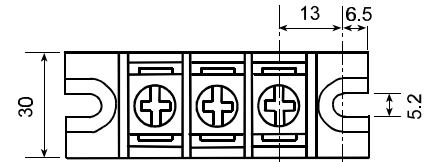
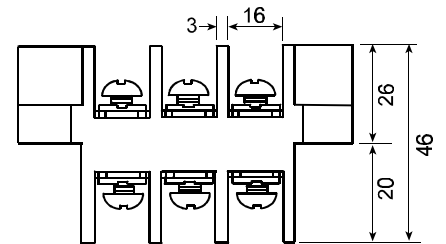
Dimensions

n= number of poles
 $L=(n \times 16) + 29$

Ordering Information



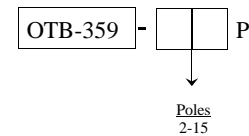
75A 600V 16 mm (.629")



Dimensions

n= number of poles
 $L=(n \times 16) + 29$

Ordering Information



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:

Current: 30A @ 600V
 Wire Range: 10 - 22 AWG
 IR: >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

Specifications: **830 Series**

Features:

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

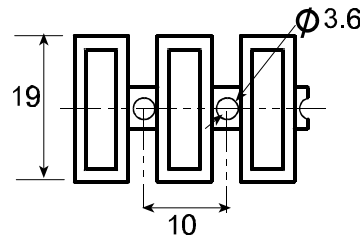
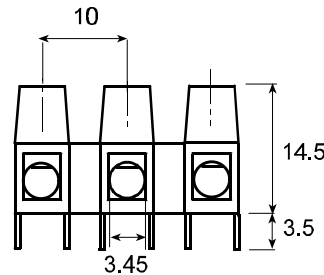
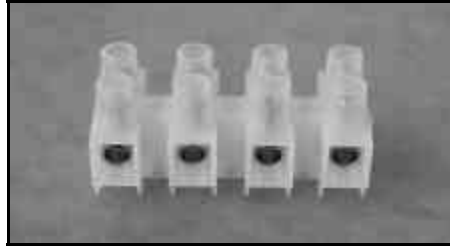
Electrical:

Current: 16A @ 600V
 Wire Range: 10 - 22 AWG
 IR: >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

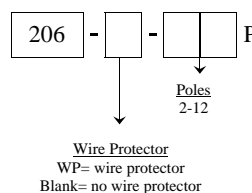
30A 600V 10 mm (.394")



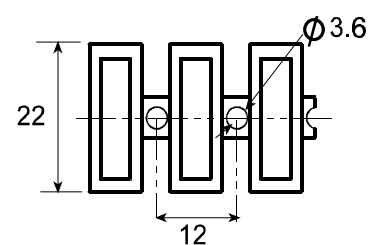
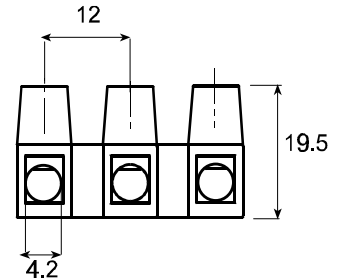
Dimensions

n= number of poles
 $L=(n \times 10) - 3.5$

Ordering Information



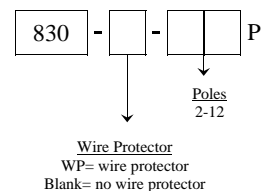
16A 600V 12 mm (.472")



Dimensions

n= number of poles
 $L=(n \times 12) - 4.5$

Ordering Information



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:

Current: 25A @ 600V
 Wire Range: 18 - 10 AWG
 IR: >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

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

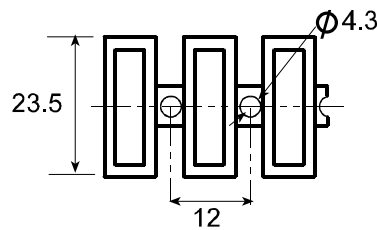
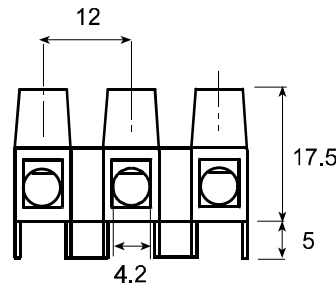
Electrical:

Current: 63A @ 600V
 Wire Range: 14 - 6 AWG
 IR: >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

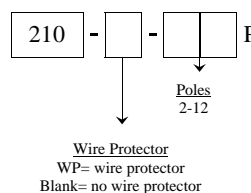
25A 600V 12 mm (.472")



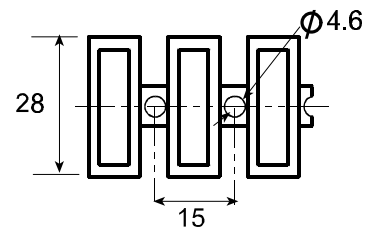
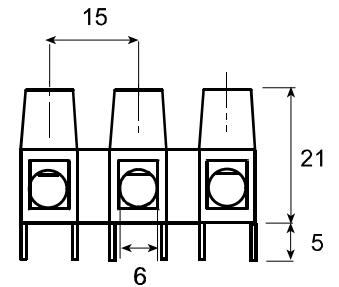
Dimensions

n= number of poles
 L=(n-1) x 12

Ordering Information



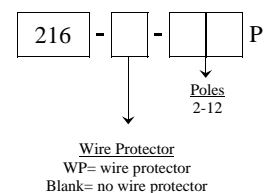
63A 600V 15 mm (.590")



Dimensions

n= number of poles
 L=(n-1) x 15

Ordering Information



Specifications: TB-25 Series

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

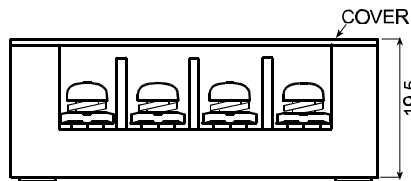
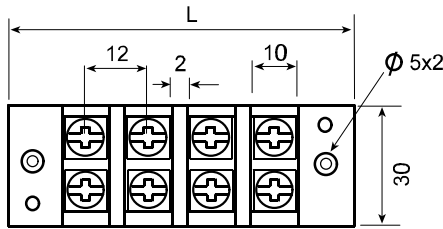
Materials:

Housing: PBT (UL 94V-O)
 Terminal: Brass tin-plated
 Screw: M3 Steel, Ni plated
 Positions Available: 2-12

30A 125V 12 mm (.472")



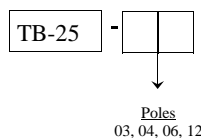
Agency Approval Applied for



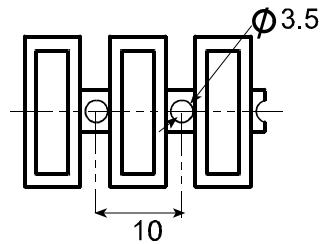
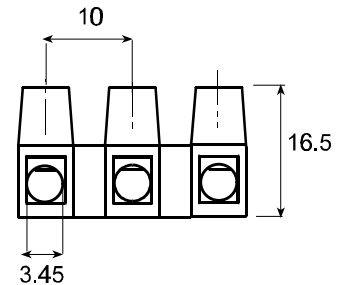
Dimensions

n= number of poles
 $L=(n \times 12) + 20.5$

Ordering Information



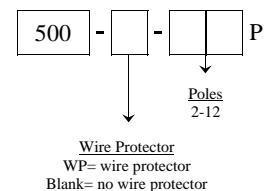
10A 600V 10 mm (.394")



Dimensions

n= number of poles
 $L=(n \times 10) - 3.5$

Ordering Information



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

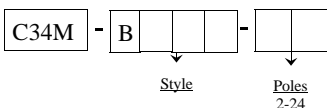
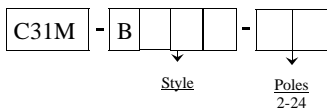
Electrical:

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

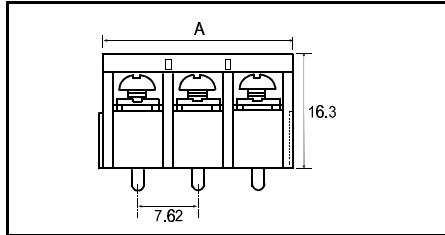
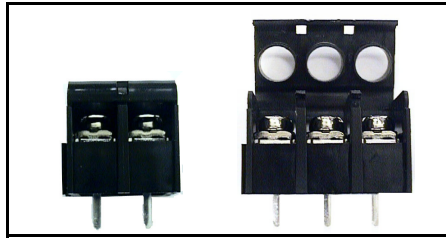
Materials:

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")

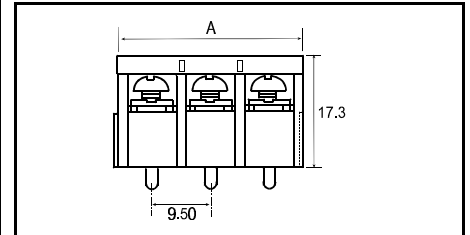
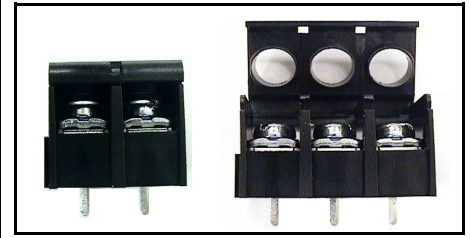


Style	Front	Side
BM11 Centerline PC		
BM14 Wire Wrap		
BM23 Solder Tail		
BM32 Extended Centerline PC		
BP32 Right Angle PC Mount		
BS11 Off-center PC Mount		

Dimensions

n= number of poles
 A=(n x 7.62)

15A 300V 9.50 mm (.375")



Style	Front	Side
BM11 Centerline PC		
BM14 Wire Wrap		
BM23 Solder Tail		
BM32 Extended Centerline PC		
BP32 Right Angle PC Mount		
BS11 Off-center PC Mount		

Dimensions

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

20A 300V

8.25mm (.325")

21A 300V

9.5mm (.375")

Specifications DT31 Series

Features:

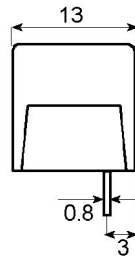
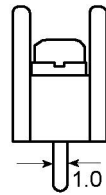
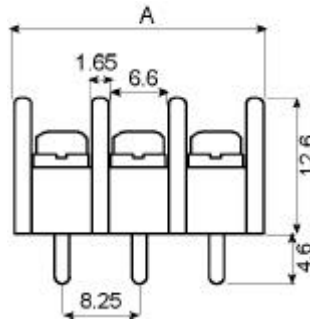
- *Standard PC pin terminal block
- *Regular barrier construction
- *Off-center pins
- *Open bottom construction
- *#6-32 screws
- *Accepts #12 wire

Electrical

- Current: 20A @ 300V
- Wire range: 12 to 22 AWG
- Pin dimension: 0.8mm x 1.4mm
- Withstanding voltage: 2000V AC per min.
- R: >500MΩ (500V DC)
- Operating temp: -40° C to +105° C
- Torque: 8.5 lb-in

Materials

- Housing: Polyamide 6,6 (UL94V-0)
- Terminal: Brass, Tin plated
- Screw: #6-32 combo head w/captive sems plate
- Screw material: Steel, Ni plated
- Positions available: 2 to 30 no mounting ends
- Mounting ends: Not available



Specifications DT43 Series

Features:

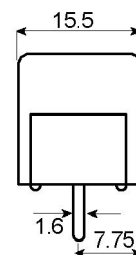
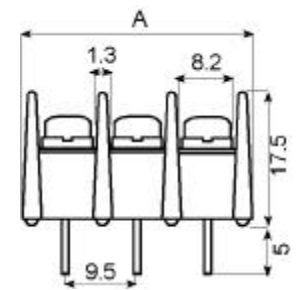
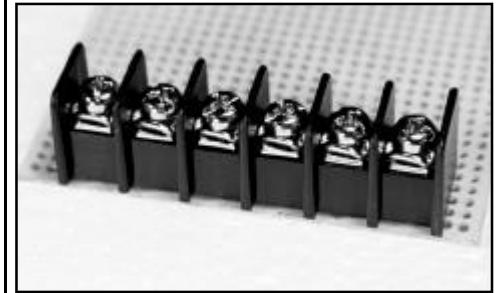
- *Standard PC pin terminal block
- *Regular barrier construction
- *Centerline pins
- *Closed bottom construction
- *#6-32 screws
- *Accepts #12 wire

Electrical

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

Materials

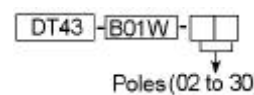
- Housing: Polyamide 6,6 (UL94V-0)
- Terminal: Brass, Tin plated
- Screw: #6-32 combo head w/captive sems plate
- Screw material: Steel, Ni plated
- Positions available: 2 to 30 no mounting ends
- Mounting ends: Not available



Regular Barrier

Regular Barrier

Ordering Information



Dimensions

n=number of positions
A=(n x 8.25) + 2

Dimensions

n=number of positions
A=(n x 9.5) + 2

20A 300V

8.25mm (.325")

20A 300V

8.25mm (.325")

Specifications DT35 Series

Features:

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

Electrical

Current: 20A @ 300V
 Wire range: 12 to 22 AWG
 Withstanding voltage: 2000V AC per min.
 IR: >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 26 with mounting ends
 2 to 28 no mounting ends
 Mounting ends: Available/ φ3.5mm

Specifications DT39 Series

Features:

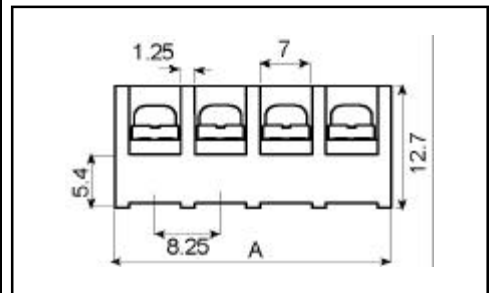
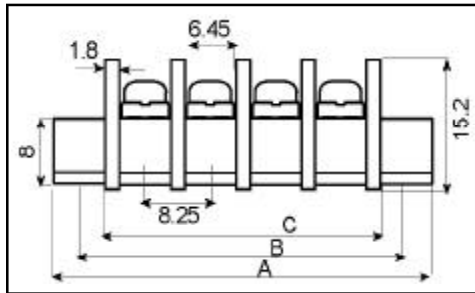
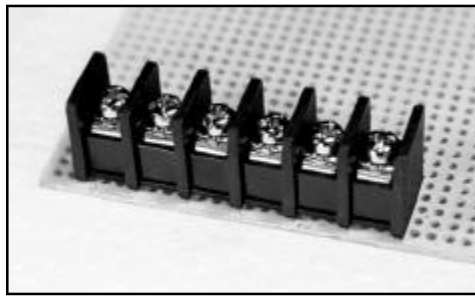
- *Tri-barrier construction
- *UL and CSA recognized
- *2 pin styles to choose from
- *Accepts #12 AWG

Electrical

Current: 20A @ 300V
 Wire range: 12 to 22 AWG
 Withstanding voltage: 2000V AC per min.
 IR: >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

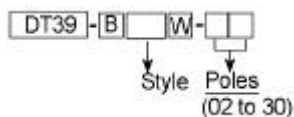
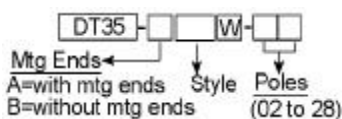


Style	Front	Side
01 centerline PC		
02 solder tail		
07 off-center PC		
14 right angle PC short bend		
25 right angle PC long bend		



Style	Front	Side
01 off-center PC		
02 right angle PC		

Ordering Information



Dimensions

n=number of positions
 A=(n x 8.25) + 16.5 (total length w/ mtg ends)
 B=(n + 1) x 8.25(mounting end centers)
 C=(n x 8.25) + 2 (total length no mtg. ends)

Dimensions

n=number of positions
 A=(n x 8.25) + 1.25

Tri-Barrier

25A 300V

9.5mm (.375")

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

Current: 25A @ 300V
 Wire range: 12 to 22 AWG
 Withstanding voltage: 2000V AC per min.
 IR: >1000MΩ (500V DC)
 Operating temp: -40° C to +105° C
 Torque: 10lb-in

Materials

Housing: Polyamide6,6 (UL94V-0)
 Terminal: Brass, Tin plated
 Screw: M3.5 combo head w/captive sems plate
 Screw material: Steel, Ni plated
 Positions available: 2 to 28 with mounting ends
 2 to 30 no mounting ends
 Mounting ends: Available/ φ3.5mm

Specifications DT49 Series

Features:

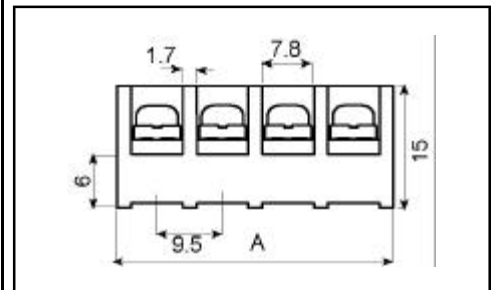
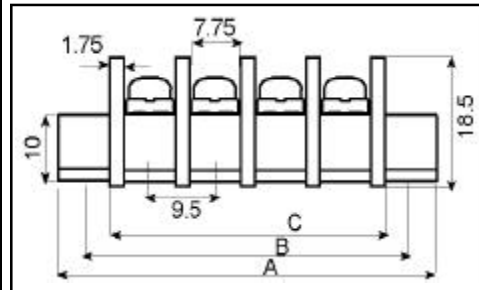
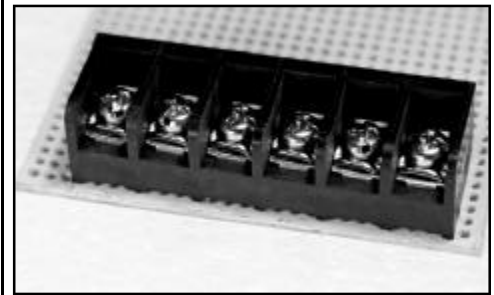
- *Tri-barrier construction
- *UL and CSA recognized
- *2 pin styles to choose from
- *Accepts #12 AWG
- *#6-32 screws

Electrical

Current: 25A @ 300V
 Wire range: 12 to 22 AWG
 Withstanding voltage: 2000V AC per min.
 IR: >1000MΩ (500V DC)
 Operating temp: -40° C to +105° C
 Torque: 10lb-in

Materials

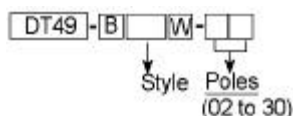
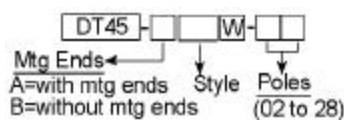
Housing: Polyamide 6,6 (UL94V-0)
 Terminal: Brass, Tin plated
 Screw: #6-32 combo head w/captive sems plate
 Screw material: Steel, Ni plated
 Positions available: 2 to 30 no mounting ends
 Mounting ends: Not available



Style	Front	Side
01 centerline PC		
02 solder tail		
06 off-center PC		
14 right angle PC short bend		

Style	Front	Side
01 off-center PC		
02 right angle PC		

Ordering Information



Dimensions

n=number of positions
 A=(n x 9.5) + 19 (total length w/ mtg ends)
 B=(n + 1) x 9.5 (mounting end centers)
 C=(n x 9.5) + 2 (total length no mtg. ends)

Dimensions

n=number of contact positions
 A=(n x 9.5) + 1.5

Regular Barrier

Tri-Barrier

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.
 IR: >500MΩ (500V DC)
 Operating temp: -40° C to +105° C
 Torque: 8lb-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
 Mounting ends: Available/ φ3.3mm

Specifications **HB95 Series**

Features:

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

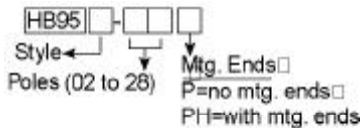
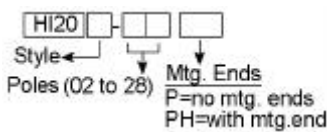
Electrical

Current: 10A @ 250V
 Wire range: 14 to 22 AWG
 Withstanding voltage: 2000V AC per min.
 IR: >500MΩ (500V DC)
 Operating temp: -40° C to +85° C
 Torque: 12lb-in

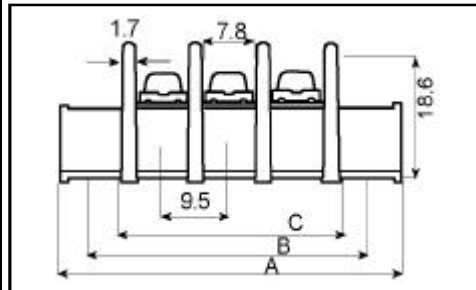
Materials

Housing: Thermoplastic (UL94V-0)
 Terminal: Brass, Tin plated
 Gold flash (HB953, HB954)
 Screw: M3.5 combo head w/captive sems plate
 Screw material: 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



10A 250V 9.5mm (.375")

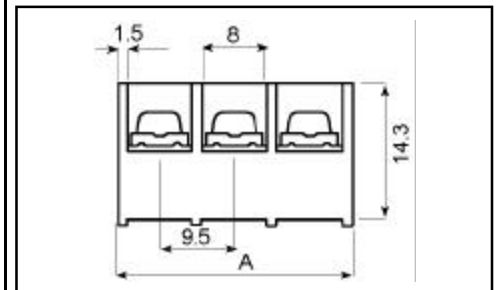
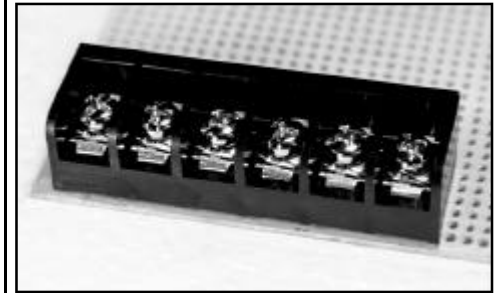


Style	Front	Side
1 centerline PC		
2 short wire wrap		
3 right angle PC short bend		
5 solder tail		
6 extended wire wrap		

Dimensions

n=number of positions
 A=(n x 9.5) + 21 (total length w/ mtg ends)
 B=(n + 1) x 9.5 (mounting end centers)
 C=(n x 9.5) + 2 (total length no mtg. ends)

10A 250V 9.5mm (.375")



Style	Front	Side
1 off-center PC		
2 right angle PC		
3 right angle solder tail		
4 rear exit with upward bend		

Dimensions

n=number of contact positions
 A=(n x 9.5) + 1.5

Tri-Barrier

10A 250V

8.25mm (.325")

10A 250V

7.62mm (.300")

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: >500MΩ (500V DC)
 Operating temp: -40° C to +95° 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/ φ3.2mm

Specifications FTB70 Series

Features:

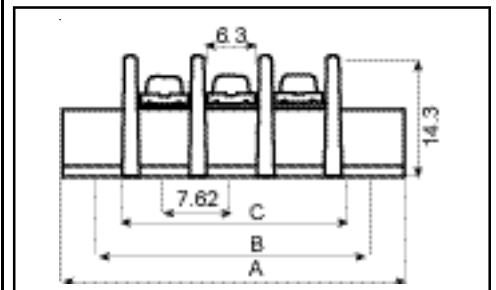
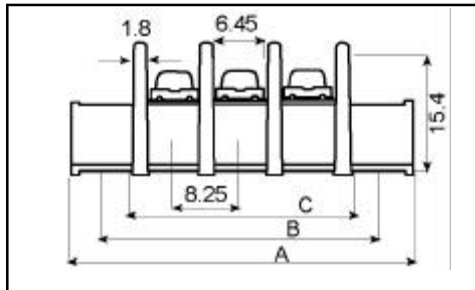
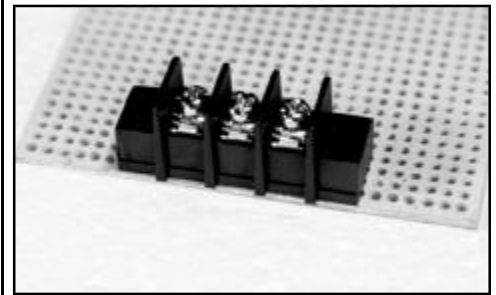
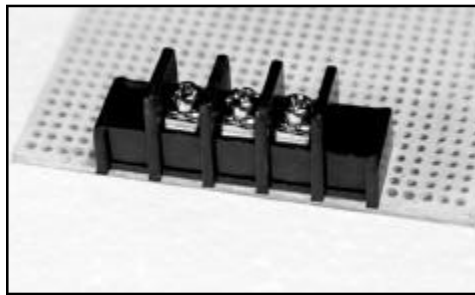
- *Regular barrier construction
- *Mounting ends available
- *UL recognized
- *4 pin styles to choose from

Electrical

Current: 10A @ 250V
 Wire range: 16 to 22 AWG
 Withstanding voltage: 2000V AC per min.
 IR: >500MΩ (500V DC)
 Operating temp: -40° C to +95° 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/ φ3mm

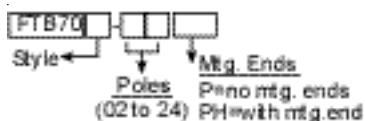
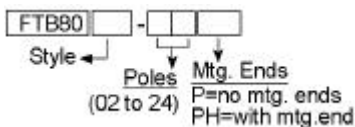


Style	Front	Side
1 right angle PC		
2 centerline PC		
3 solder tail		
5 extended wire wrap		



Style	Front	Side
1 right angle PC		
2 off-center PC		
3 centerline PC		
5 solder tail		

Ordering Information



Dimensions

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

Dimensions

n=number of positions
 A=(n x 7.62) + 15.3 (total length w/ mtg ends)
 B=(n + 1) x 7.62 (mounting end centers)
 C=(n x 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.
 IR: >500MΩ (500V DC)
 Operating temp: -40° C to +85° C
 Torque: 7lb-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
 Mounting ends: Available/ φ3.8mm

Specifications **FTB10 Series**

Features:

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

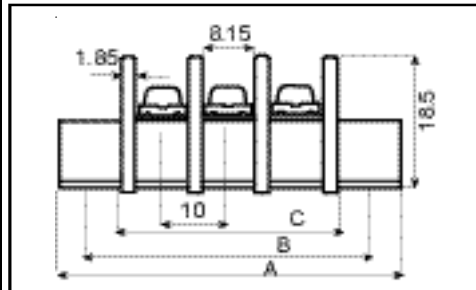
Electrical

Current: 10A @ 250V
 Wire range: 14 to 22 AWG
 Withstanding voltage: 2000V AC per min.
 IR: >500MΩ (500V DC)
 Operating temp: -40° C to +85° C
 Torque: 7lb-in

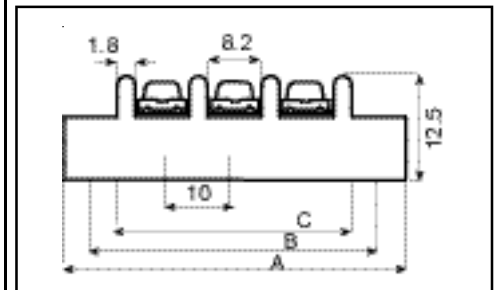
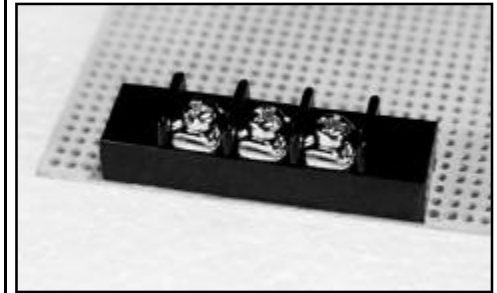
Materials

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 24 with mounting ends
 2 to 26 no mounting ends
 Mounting ends: Available/ φ4mm

15A 250V 10mm (.395")



10A 250V 10mm (.395")

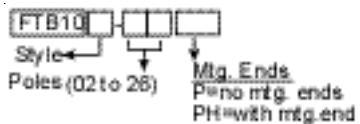


Style	Front	Side
3 off-center PC		
4 extended wire wrap		
5 right angle PC		
6 thru panel PC tail		
7 centerline PC		



Style	Front	Side
A right angle PC		
B extended wire wrap		
C off-center PC		
D solder tail		
E short wire wrap		

Ordering Information



Dimensions

n=number of positions
 A=(n x 10) + 22 (total length w/ mtg ends)
 B=(n + 1) x 10 (mounting end centers)
 C=(n x 10) + 2 (total length no mtg. ends)

Dimensions

n=number of positions
 A=(n x 10) + 19 (total length w/ mtg ends)
 B=(n + 1) x 10 (mounting end centers)
 C=(n x 10) + 2 (total length no mtg. ends)

25A 300V

11mm (.433")

30A 300V

11mm (.433")

Specifications DT65 Series

Features:

- *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.
- IR: >1000MΩ (500V DC)
- Operating temp: -40° C to +105° C
- Torque: 16lb-in

Materials

- Housing: Polyamide 6,6 (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
2 to 26 no mounting ends
- Mounting ends: Available/ φ3.6mm

Specifications DT69 Series

Features:

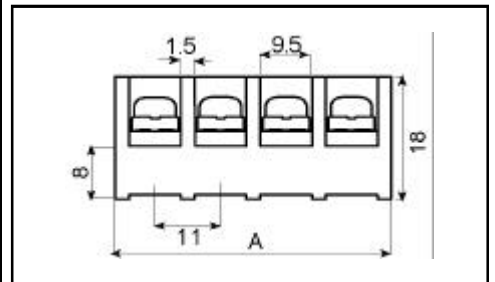
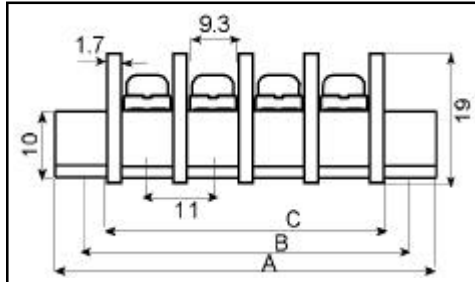
- *Tri- barrier construction
- *UL and CSA recognized
- *2 pin styles to choose from
- *Accepts #12 AWG
- *#8-32 screws

Electrical

- Current: 30A @ 300V
- Wire range: 12 to 22 AWG
- Withstanding voltage: 2000V AC per min.
- IR: >1000MΩ (500V DC)
- Operating temp: -40° C to +105° C
- 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
- Mounting ends: Available/ φ3.5mm

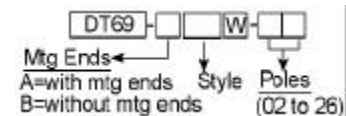
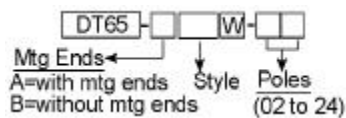


Style	Front	Side
01 centerline PC		
02 solder tail		
14 right angle PC		



Style	Front	Side
01 off-center PC		
02 right angle PC		

Ordering Information



Regular Barrier

Dimensions

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

Tri-Barrier

Dimensions

- n=number of contact positions
- A=(n x 11) x 2

Specifications DT66 Series

Features:

- *High power terminal block
- *2 pins per position
- *UL recognized
- *11mm spacing
- *Accepts #10AWG

Electrical

- Current: 40A @ 600V
- Wire range: 10 to 18 AWG
- Withstanding voltage: 2000V AC per min.
- IR: >1000MΩ (500V DC)
- Operating temp: -40° C to +130° C
- Torque: 13.8lb-in

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 barrier/cover construction
- *Mounting ends available
- *Large 13mm center spacing
- *UL recognized
- *3 pin styles to choose from
- *Accepts #10 AWG

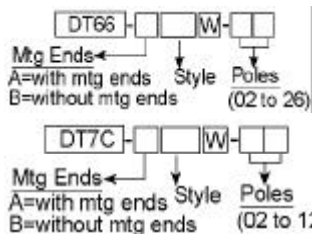
Electrical

- Current: 40A @ 600V
- Wire range: 10 to 18 AWG
- Withstanding voltage: 2000V AC per min.
- IR: >1000MΩ (500V DC)
- Operating temp: -40° C to +130° C
- Torque: 13.8lb-in

Materials

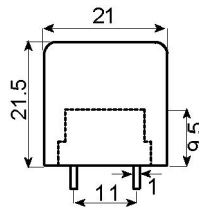
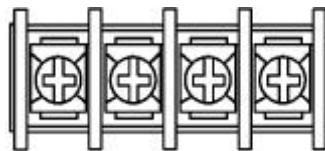
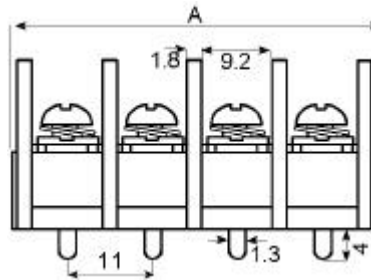
- Housing: Polyester (UL94V-0)
- Terminal: Brass, Tin plated
- Screw: M4 combo head w/captive sems plate
- Screw material: Steel, Ni plated
- Cover material: PVC transparent
- Positions available: 2 to 10 with mounting ends
- 2 to 12 no mounting ends
- Mounting ends: Available/ φ4.5mm

Ordering Information



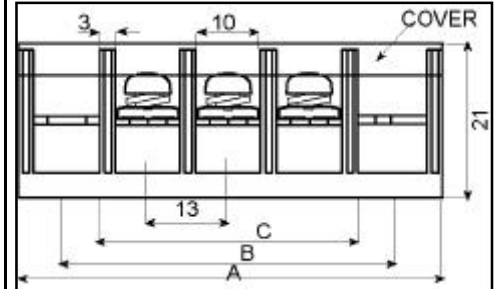
40A 600V

11mm (.433")



40A 600V

13mm (.512")



Style	Front	Side
01 centerline PC		
02 solder tail		
14 right angle PC		

HIGH POWER

HIGH POWER

Dimensions

n=number of contact positions
A=(n x 11) + 3

Dimensions

n=number of positions
A=(n x 13) + 29 (total length w/ mtg ends)
B=(n + 1) x 13 (mounting end centers)
C=(n x 13) + 3 (total length no mtg. ends)

20A 300V

9.5mm (.375")

15A 300V

8.89mm (.350")

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.
- IR: >1000MΩ (500V DC)
- Operating temp: -40° C to +130° C
- Torque: 10lb-in

Materials

- Housing: Polyester (UL94V-0)
- Terminal: Brass, Tin plated
- Screw: M3.5 combo head w/captive 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/ φ3.5mm

Specifications **DT89 Series**

Features:

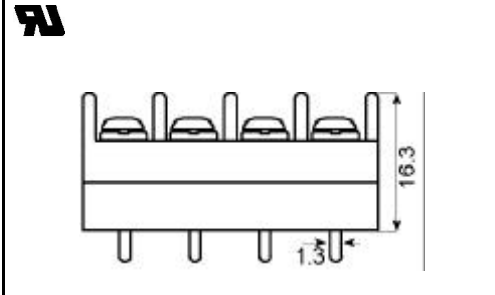
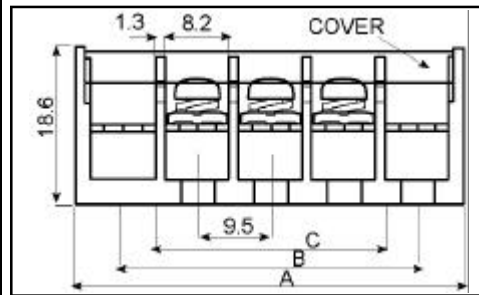
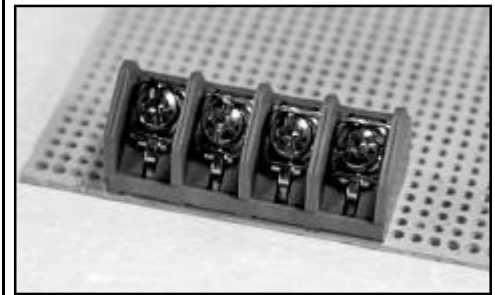
- *Angled screw for easy accessibility
- *Regular barrier construction
- *.35 inch center spacing
- *UL recognized
- *Accepts #14 AWG

Electrical

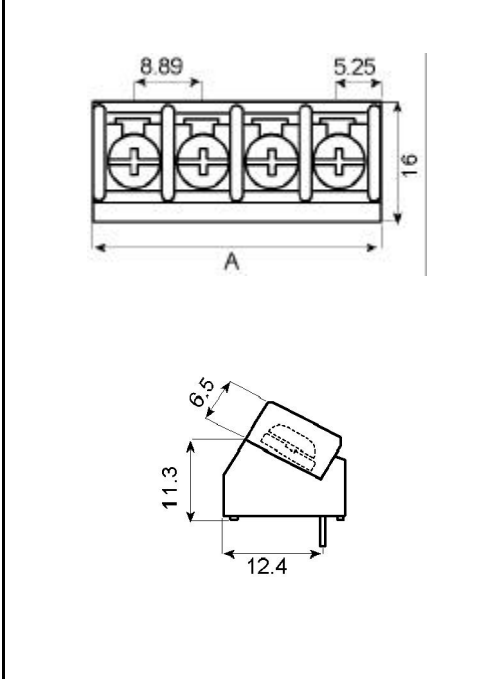
- Current: 15A @ 300V
- Wire range: 14 to 22 AWG
- Withstanding voltage: 2000V AC per min.
- IR: >1000MΩ (500V DC)
- Operating temp: -40° C to +130° C
- Torque: 6lb-in

Materials

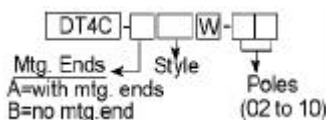
- Housing: Polyester (UL94V-0)
- Terminal: Brass, Tin plated
- Screw: M3 combo head w/captive sems plate
- Screw material: Steel, Ni plated
- Positions available: 2 to 26 no mounting ends
- Mounting ends: Not available



Style	Front	Side
1 centerline PC		
2 solder tail		
14 right angle PC w/ stabilizer pins		



Ordering Information



Barrier w/ Cover

Angled Barrier
Easy Access

Dimensions

- n=number of positions
- A=(n x 9.5) + 21.5 (total length w/ mtg ends)
- B=(n + 1) x 9.5 (mounting end centers)
- C=(n x 9.5) + 2.5 (total length no mtg. ends)

Dimensions

- n=number of contact positions
- A=(n x 8.89) + 1.7

Specifications **HD84 Series**

Features:

- *Dual tier barrier construction
- *Inline pins
- *UL recognized (HD841 only)
- *2 pin styles to choose from
- *Gold plating available

Electrical

- Current: 15A @ 250V
- Wire range: 14 to 18 AWG
- Withstanding voltage: 2000V AC per min.
- IR: >500MΩ (500V DC)
- Operating temp: -40° C to +105° C
- Torque: 7lb-in

Materials

- Housing: Thermoplastic (UL94V-0)
- Terminal: Brass, Tin plated (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/ φ3.2mm

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

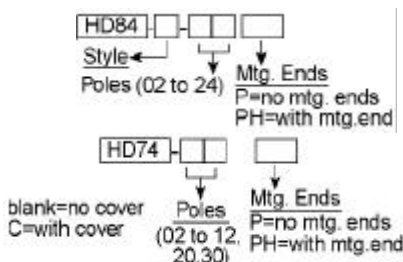
Electrical

- Current: 15A @ 250V
- Wire range: 16 to 22 Sol
- Withstanding voltage: 2000V AC per min.
- IR: >1000MΩ (500V DC)
- Operating temp: -40° C to +110° C
- Torque: 7lb-in

Materials

- Housing: PBT (UL94V-0)
- Terminal: Brass, Tin plated
- Screw: M3 combo head w/captive sems plate
- Screw material: Steel, Ni plated
- Cover material: PC transparent
- Positions available: 2 to 12, 20, 30
- Mounting ends: Available

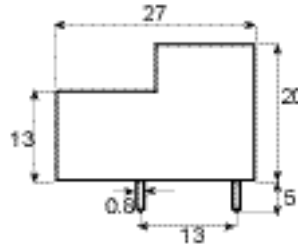
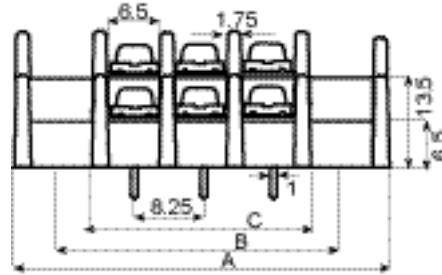
Ordering Information



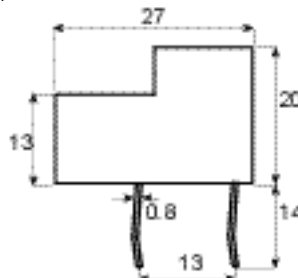
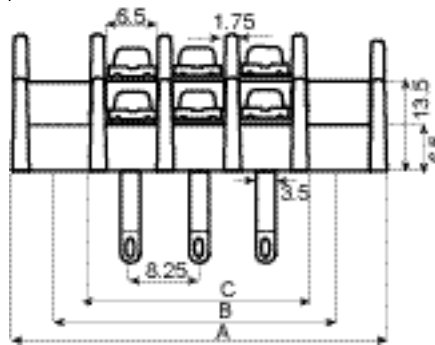
15A 250V 8.25mm (.325")



HD841 Series



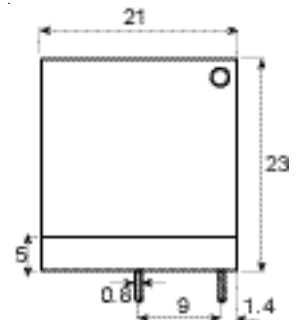
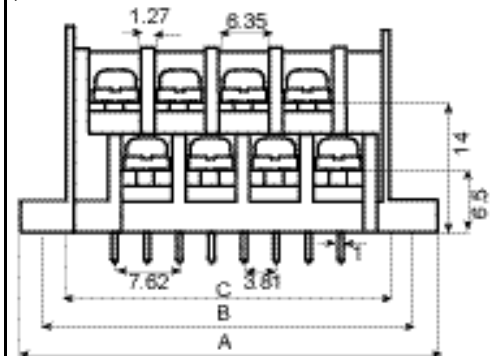
HD842 Series



Dimensions

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

15A 250V 7.62mm (.300")



Dual Level
Staggered Pins
Hinged Cover

Dimensions

- n=number of positions (per level)
- A=(n x 7.62) + 25.3 (total length w/ mtg ends)
- B=(n x 7.62) + 16.8 (mounting end centers)
- C=(n x 7.62) + 10.4 (total length no mtg. ends)

10A 250V

11mm (.433")

15A 250V

11mm (.433")

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.
- IR: >500MΩ (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/ φ4mm

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

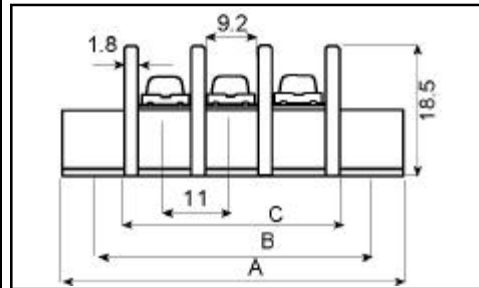
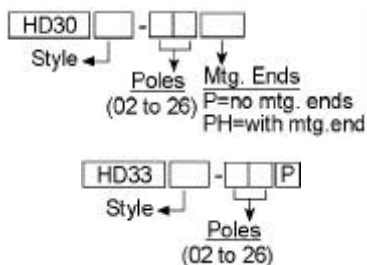
Electrical

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

Materials

- Housing: Thermoplastic (UL94V-0)
- Terminal: Tin plated brass(331, 332)
Gold flash (333, 334)
- Screw: 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
- Mounting ends: Available with bushings (333, 334)

Ordering Information

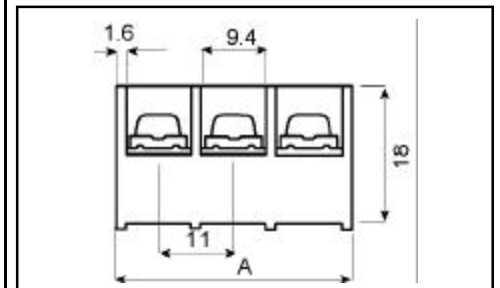


Style	Front	Side
1 centerline PC		
2 solder tail		
3 insulated solder tail		

Regular Barrier

Dimensions

- n=number of positions
- A=(n x 11) + 24 (total length w/ mtg ends)
- B=(n + 1) x 11 (mounting end centers)
- C=(n x 11) + 3 (total length no mtg. ends)



Style	Front	Side
1 off-center PC		
2 4.8mm quick connect		
3 right angle solder tail		
4 rear exit with upward bend		

Tri-Barrier

Dimensions

- n=number of positions
- A=(n x 11) + 2

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: >500MΩ (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: φ4.3mm

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: φ4.7mm

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: φ5.5mm

Ordering Information

HD10A-□□ PH

Poles(02 to 24)

HD20A-□□ PH

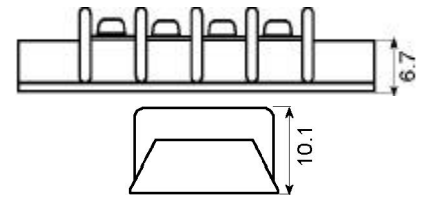
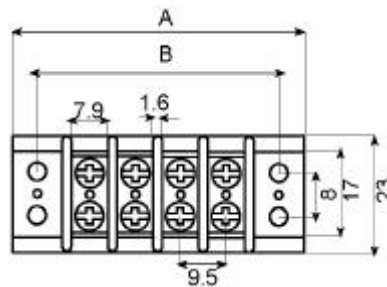
Poles(02 to 24)

HD30A-□□ PH

Poles(02 to 22)



HD10A Series (9.5mm centers)

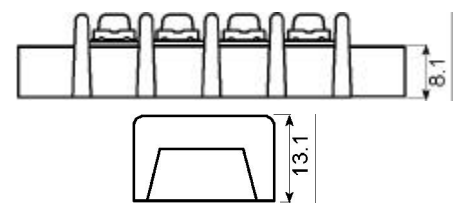
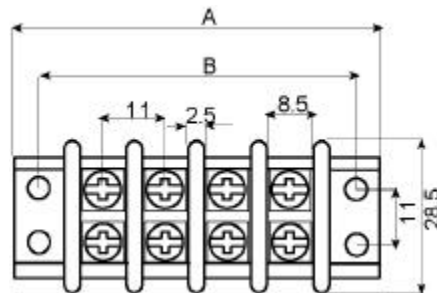


Dimensions

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)



HD20A Series (11mm centers)

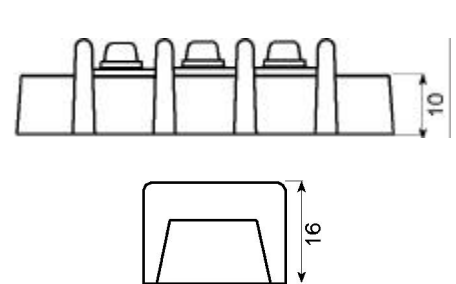
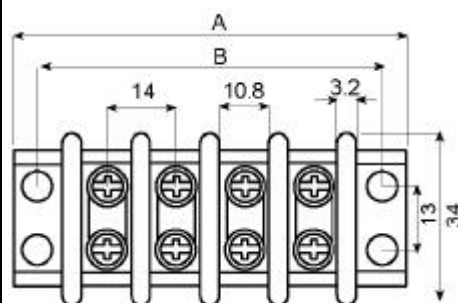


Dimensions

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: ϕ 2.7 mm
 Mounting holes: ϕ 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: ϕ 3.2 mm
 Mounting holes: ϕ 3.6 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: ϕ 3.9 mm
 Mounting holes: ϕ 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: ϕ 4.8 mm
 Mounting holes: ϕ 4.3 mm
 Dimension A=158mm
 Dimension B=25.6mm

Materials (All Series)

Housing: Polyamide 6,6 (UL94V-2)

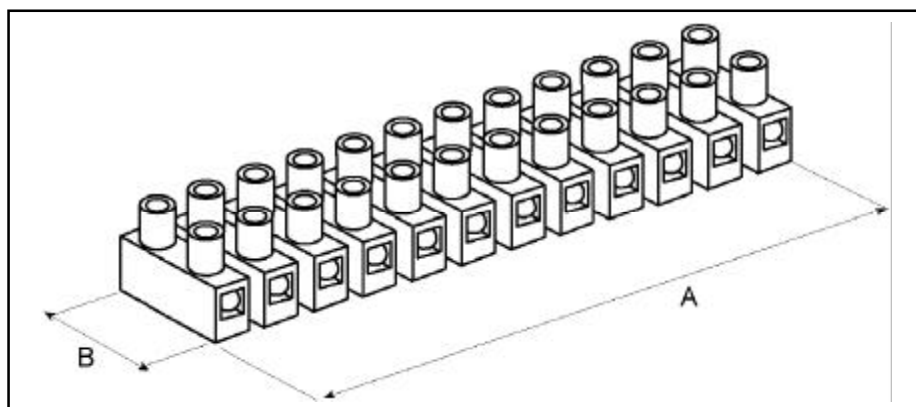
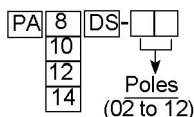
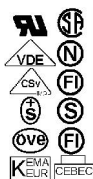
Terminal: Zinc alloy, Tin plated

Screw: Steel, yellow chromated

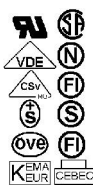
Positions available: 2 to 12

Temperature range: -35°C to +105°C

Ordering Information

**PA8**

Style	Front	Bottom
8 8mm centers		
10 10mm centers		
12 12mm centers		
14 14mm centers		

PA10**PA12****PA14**

10A 250V

6.35mm (.250")

13A 250V

6.35mm (.250")

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.
 IR: >500MΩ (500V DC)
 Operating temp: -20° C to +110° 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 27 with mounting ends
 2 to 29 no mounting ends
 Mounting ends: Available/ ø3mm

Specifications HD61 Series

Features:

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

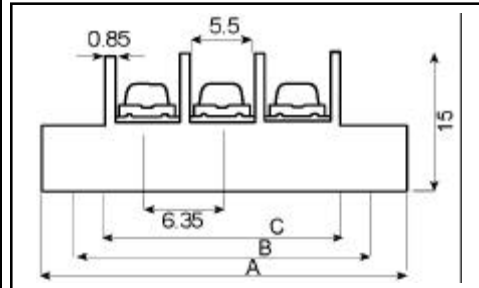
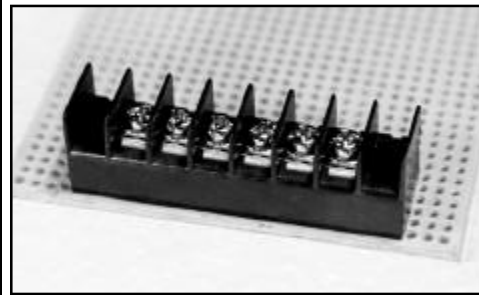
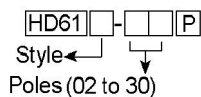
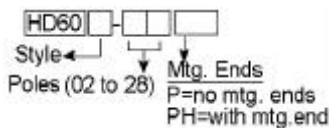
Electrical

Current: 13A @ 250V
 Wire range: 18 to 22 AWG
 Withstanding voltage: 2000V AC per min.
 IR: >500MΩ (500V DC)
 Operating temp: -20° C to +105° C
 Torque: 7lb-in

Materials

Housing: Thermoplastic (UL94V-0)
 Terminal: Brass, Tin plated
 Screw: M3 combo head w/captive sems plate
 Screw material: Ni plated steel
 Positions available: 2 to 30 no mounting ends
 Mounting ends: Not available

Ordering Information

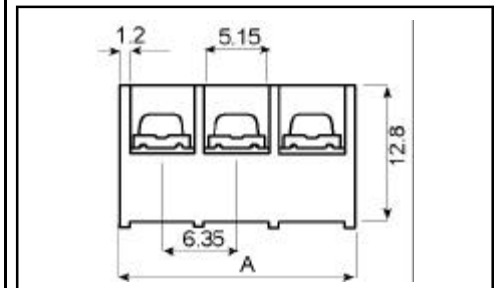
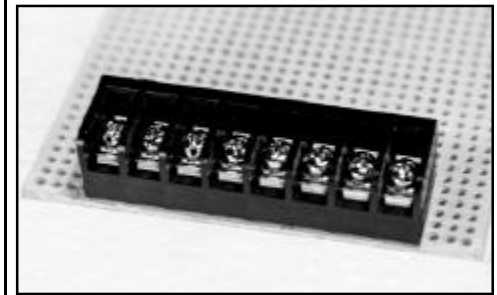


Style	Front	Side
1 off-center PC		
2 off-center solder tail		

Regular Barrier-
Small Spacing

Dimensions

n=number of positions
 A=(n x 6.35) + 13.7 (total length w/ mtg ends)
 B=(n + 1) x 6.35 (mounting end centers)
 C=(n x 6.35) + 1 (total length no mtg. ends)



Style	Front	Side
1 off-center PC		
2 right angle PC		
3 right angle solder tail		

Tri-Barrier-
Small Spacing

Dimensions

n=number of positions
 A=(n x 6.35) + 1.2