

## FIXED PRINTED CIRCUIT Metric Pin Spacing<sup>a</sup> Tubular Screw Clamp

For use when standard size printed circuit terminal blocks are too large for available space or where a very small circuit board is utilized.

Our new subminiature design offers a low profile, an extremely small "footprint" and the highest circuit density available.

- Multipole, Single Mold Design
- Up to 7 Circuits Per Inch
- Pin Spacing is Maintained When Terminal Blocks are Placed End-to-End
- With Wire Protector
- Housing Material: Polyamide 6.6
- Standard Color: Gray

<sup>a</sup>Blocks with US (Inch) pin spacing begin on page 110.

### Ratings

IEC/VDE

(File No. E101811)

(File No. LR68503)

*Extremely small "footprint" and the highest circuit density available*



### AK550 Front Wire Entry

Pin Spacing 3.5mm (.138)  
Stripping Length 5.5mm (.217)  
Screw Hole Diameter 2.5mm (.098)

*Extremely small "footprint" and the highest circuit density available*



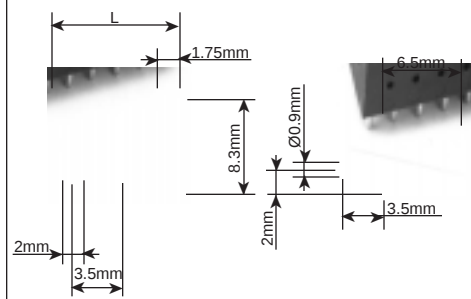
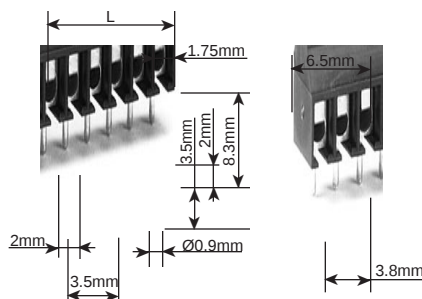
### AK555 Top Wire Entry

Pin Spacing 3.5mm (.138)  
Stripping Length 5.5mm (.217)  
Screw Hole Diameter 2.5mm (.098)

| Wire Range              | Current | Voltage |
|-------------------------|---------|---------|
| 0.25-1.0mm <sup>2</sup> | 6A      | 125V    |
| 28-16 AWG               | 6A      | 300V    |
| 28-16 AWG               | 6A      | 150V    |

| Wire Range              | Current | Voltage |
|-------------------------|---------|---------|
| 0.25-1.0mm <sup>2</sup> | 6A      | 125V    |
| 28-16 AWG               | 6A      | 300V    |
| 28-16 AWG               | 6A      | 150V    |

| Ordering Information           | No. of Poles | Type       | Cat. No. | Length L mm (in.) | Std. Pk. | Type       | Cat. No. | Length L mm (in.) | Std. Pk. |
|--------------------------------|--------------|------------|----------|-------------------|----------|------------|----------|-------------------|----------|
| Terminal Block, mm Pin Spacing | 2            | AK550/2wp  | 29.002   | 7.00 (.28)        | 100      | AK555/2wp  | 29.102   | 7.00 (.28)        | 100      |
|                                | 3            | AK550/3wp  | 29.003   | 10.50 (.41)       | 100      | AK555/3wp  | 29.103   | 10.50 (.41)       | 100      |
|                                | 4            | AK550/4wp  | 29.004   | 14.00 (.55)       | 50       | AK555/4wp  | 29.104   | 14.00 (.55)       | 50       |
|                                | 5            | AK550/5wp  | 29.005   | 17.50 (.69)       | 50       | AK555/5wp  | 29.105   | 17.50 (.69)       | 50       |
|                                | 6            | AK550/6wp  | 29.006   | 21.00 (.83)       | 50       | AK555/6wp  | 29.106   | 21.00 (.83)       | 50       |
|                                | 7            | AK550/7wp  | 29.007   | 24.50 (.97)       | 30       | AK555/7wp  | 29.107   | 24.50 (.97)       | 30       |
|                                | 8            | AK550/8wp  | 29.008   | 28.00 (1.10)      | 30       | AK555/8wp  | 29.108   | 28.00 (1.10)      | 30       |
|                                | 9            | AK550/9wp  | 29.009   | 31.50 (1.24)      | 30       | AK555/9wp  | 29.109   | 31.50 (1.24)      | 30       |
|                                | 10           | AK550/10wp | 29.010   | 35.00 (1.38)      | 30       | AK555/10wp | 29.110   | 35.00 (1.38)      | 30       |
|                                | 11           | AK550/11wp | 29.011   | 38.50 (1.52)      | 20       | AK555/11wp | 29.111   | 38.50 (1.52)      | 20       |
|                                | 12           | AK550/12wp | 29.012   | 42.00 (1.65)      | 20       | AK555/12wp | 29.112   | 42.00 (1.65)      | 20       |
|                                | 13           | AK550/13wp | 29.013   | 45.50 (1.79)      | 20       | AK555/13wp | 29.113   | 45.50 (1.79)      | 20       |
|                                | 14           | AK550/14wp | 29.014   | 49.00 (1.93)      | 20       | AK555/14wp | 29.114   | 49.00 (1.93)      | 20       |
|                                | 15           | AK550/15wp | 29.015   | 52.50 (2.07)      | 20       | AK555/15wp | 29.115   | 52.50 (2.07)      | 20       |
|                                | 16           | AK550/16wp | 29.016   | 56.00 (2.21)      | 15       | AK555/16wp | 29.116   | 56.00 (2.21)      | 15       |



| mm   | in.   | Dimensions | mm   | in.   |
|------|-------|------------|------|-------|
| 0.90 | 0.035 |            | 3.80 | 0.150 |
| 1.75 | 0.069 |            | 6.50 | 0.256 |
| 2.00 | 0.079 |            | 8.30 | 0.327 |
| 3.50 | 0.138 |            |      |       |

## FIXED PRINTED CIRCUIT Metric Pin Spacing<sup>a</sup> Tubular Screw Clamp

For wire-to-board connections in applications with strict budgets and where infrequent wire terminations are expected.

Our "mini" design offers a low profile and a small "footprint".

The popular AK500 is now offered in a single mold design as Type AK502. Please contact Altech for ordering information.

- Multipole, Modular Design
- Wire Protector Standard
- Housing Material: Polyamide 6.6
- Standard Color: Gray

<sup>a</sup>Blocks with US (Inch) pin spacing begin on page 110.



**AK500**  
**Front Wire Entry**

Pin Spacing 5mm (.197)  
Stripping Length 6mm (.236)  
Screw Hole Diameter 3mm (.118)



**AK505**  
**Top Wire Entry**

Pin Spacing 5mm (.197)  
Stripping Length 5mm (.197)  
Screw Hole Diameter 3mm (.118)

### Ratings

IEC/VDE



(File No. E101811)

(File No. LR68503)

### Wire Range

0.5-1.5mm<sup>2</sup>

22-14 AWG

22-14 AWG

### Current

16A

15A

15A

### Voltage

250V

300V

300V

### Wire Range

0.5-1.5mm<sup>2</sup>

22-14 AWG

22-14 AWG

### Current

16A

15A

15A

### Voltage

250V

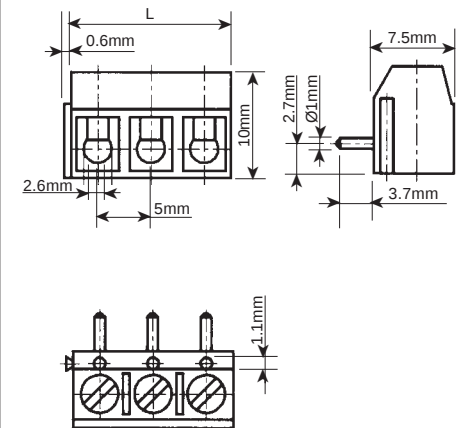
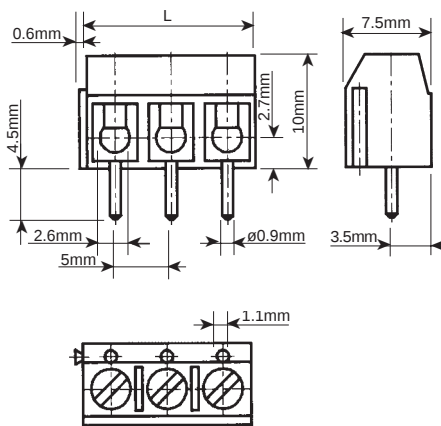
300V

300V

| Ordering Information           | No. of Poles | Type       | Cat. No. | Length L mm (in.) | Std. Pk. | Type       | Cat. No. | Length L mm (in.) | Std. Pk. |
|--------------------------------|--------------|------------|----------|-------------------|----------|------------|----------|-------------------|----------|
| Terminal Block, mm Pin Spacing | 2            | AK500/2wp  | 30.702   | 10.00 ( .39)      | 100      | AK505/2wp  | 30.752   | 10.00 ( .39)      | 100      |
|                                | 3            | AK500/3wp  | 30.703   | 15.00 ( .59)      | 100      | AK505/3wp  | 30.753   | 15.00 ( .59)      | 100      |
|                                | 4            | AK500/4wp  | 30.704   | 20.00 ( .79)      | 50       | AK505/4wp  | 30.754   | 20.00 ( .79)      | 50       |
|                                | 5            | AK500/5wp  | 30.705   | 25.00 ( .99)      | 50       | AK505/5wp  | 30.755   | 25.00 ( .99)      | 50       |
|                                | 6            | AK500/6wp  | 30.706   | 30.00 (1.18)      | 50       | AK505/6wp  | 30.756   | 30.00 (1.18)      | 50       |
|                                | 7            | AK500/7wp  | 30.707   | 35.00 (1.38)      | 30       | AK505/7wp  | 30.757   | 35.00 (1.38)      | 30       |
|                                | 8            | AK500/8wp  | 30.708   | 40.00 (1.58)      | 30       | AK505/8wp  | 30.758   | 40.00 (1.58)      | 30       |
|                                | 9            | AK500/9wp  | 30.709   | 45.00 (1.77)      | 30       | AK505/9wp  | 30.759   | 45.00 (1.77)      | 30       |
|                                | 10           | AK500/10wp | 30.710   | 50.00 (1.97)      | 30       | AK505/10wp | 30.760   | 50.00 (1.97)      | 30       |
|                                | 11           | AK500/11wp | 30.711   | 55.00 (2.17)      | 20       | AK505/11wp | 30.761   | 55.00 (2.17)      | 20       |
|                                | 12           | AK500/12wp | 30.712   | 60.00 (2.36)      | 20       | AK505/12wp | 30.762   | 60.00 (2.36)      | 20       |
|                                | 14           | AK500/13wp | 30.713   | 65.00 (2.56)      | 20       | AK505/13wp | 30.763   | 65.00 (2.56)      | 20       |
|                                | 15           | AK500/14wp | 30.714   | 70.00 (2.76)      | 20       | AK505/14wp | 30.764   | 70.00 (2.76)      | 20       |
|                                | 16           | AK500/15wp | 30.715   | 75.00 (2.95)      | 20       | AK505/15wp | 30.765   | 75.00 (2.95)      | 20       |
|                                | 16           | AK500/16wp | 30.716   | 80.00 (3.15)      | 15       | AK505/16wp | 30.766   | 80.00 (3.15)      | 15       |
|                                | 17           | AK500/17wp | 30.717   | 85.00 (3.35)      | 15       | AK505/17wp | 30.767   | 85.00 (3.35)      | 15       |
|                                | 18           | AK500/18wp | 30.718   | 90.55 (3.54)      | 15       | AK505/18wp | 30.768   | 90.00 (3.54)      | 15       |
|                                | 19           | AK500/19wp | 30.719   | 95.00 (3.74)      | 15       | AK505/19wp | 30.769   | 95.00 (3.74)      | 15       |
|                                | 20           | AK500/20wp | 30.720   | 100.00 (3.94)     | 15       | AK505/20wp | 30.770   | 100.00 (3.94)     | 15       |
|                                | 21           | AK500/21wp | 30.721   | 105.00 (4.13)     | 10       | AK505/21wp | 30.771   | 105.00 (4.13)     | 10       |
|                                | 22           | AK500/22wp | 30.722   | 110.00 (4.33)     | 10       | AK505/22wp | 30.772   | 110.00 (4.33)     | 10       |
|                                | 23           | AK500/23wp | 30.723   | 115.00 (4.53)     | 10       | AK505/23wp | 30.773   | 115.00 (4.53)     | 10       |
|                                | 24           | AK500/24wp | 30.724   | 120.00 (4.72)     | 10       | AK505/24wp | 30.774   | 120.00 (4.72)     | 10       |

| mm   | in.   | mm    | in.   |
|------|-------|-------|-------|
| 0.60 | 0.024 | 3.70  | 0.146 |
| 0.90 | 0.035 | 4.50  | 0.177 |
| 1.00 | 0.039 | 5.00  | 0.197 |
| 1.10 | 0.043 | 7.50  | 0.295 |
| 2.60 | 0.102 | 10.00 | 0.394 |
| 2.70 | 0.106 | 15.00 | 0.591 |
| 3.50 | 0.138 |       |       |

### Dimensions



## FIXED PRINTED CIRCUIT Metric Pin Spacing<sup>a</sup> Tubular Screw Clamp

For wire-to-board connections in applications with strict budgets and where infrequent wire terminations are expected.

The popular AK100 is now offered in a single mold design as Type AK102. Please contact Altech for ordering information.

- Multipole, Modular Design
- Wire Protector Standard
- Housing Material: Polyamide 6.6
- Standard Color: Gray

<sup>a</sup>Blocks with US (Inch) pin spacing begin on page 110.

### Ratings

IEC/VDE

⚡ (File No. E101811)

⚡ (File No. LR68503)

### Ordering Information

#### Terminal Block, mm Pin Spacing

No. of  
Poles

### Wire Range

0.5-2.5mm<sup>2</sup>

22-14 AWG

22-14 AWG

### Current

16A

15A

15A

### Voltage

250V

300V

300V

Type

Cat. No.

Length L  
mm (in.)

Std. Pk.

|            |        |               |     |
|------------|--------|---------------|-----|
| AK100/2wp  | 30.002 | 10.00 ( .39)  | 100 |
| AK100/3wp  | 30.003 | 15.00 ( .59)  | 100 |
| AK100/4wp  | 30.004 | 20.00 ( .79)  | 50  |
| AK100/5wp  | 30.005 | 25.00 ( .99)  | 50  |
| AK100/6wp  | 30.006 | 30.00 (1.18)  | 50  |
| AK100/7wp  | 30.007 | 35.00 (1.38)  | 30  |
| AK100/8wp  | 30.008 | 40.00 (1.58)  | 30  |
| AK100/9wp  | 30.009 | 45.00 (1.77)  | 30  |
| AK100/10wp | 30.010 | 50.00 (1.97)  | 30  |
| AK100/11wp | 30.011 | 55.00 (2.17)  | 20  |
| AK100/12wp | 30.012 | 60.00 (2.36)  | 20  |
| AK100/13wp | 30.013 | 65.00 (2.56)  | 20  |
| AK100/14wp | 30.014 | 70.00 (2.76)  | 20  |
| AK100/15wp | 30.015 | 75.00 (2.95)  | 20  |
| AK100/16wp | 30.016 | 80.00 (3.15)  | 15  |
| AK100/17wp | 30.017 | 85.00 (3.35)  | 15  |
| AK100/18wp | 30.018 | 90.00 (3.54)  | 15  |
| AK100/19wp | 30.019 | 95.00 (3.74)  | 15  |
| AK100/20wp | 30.020 | 100.00 (3.94) | 15  |
| AK100/21wp | 30.021 | 105.00 (4.13) | 10  |
| AK100/22wp | 30.022 | 110.00 (4.33) | 10  |
| AK100/23wp | 30.023 | 115.00 (4.53) | 10  |
| AK100/24wp | 30.024 | 120.00 (4.72) | 10  |



## AK105

### Top Wire Entry

Pin Spacing 5mm (.197)

Stripping Length 5mm (.197)

Screw Hole Diameter 3mm (.118)

### Wire Range

0.5-2.5mm<sup>2</sup>

22-14 AWG

22-14 AWG

### Current

16A

15A

15A

### Voltage

250V

300V

300V

Type

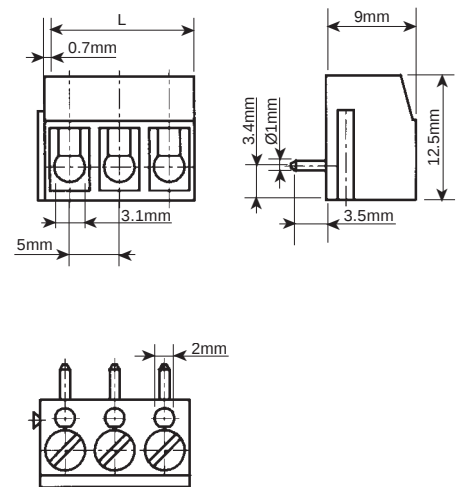
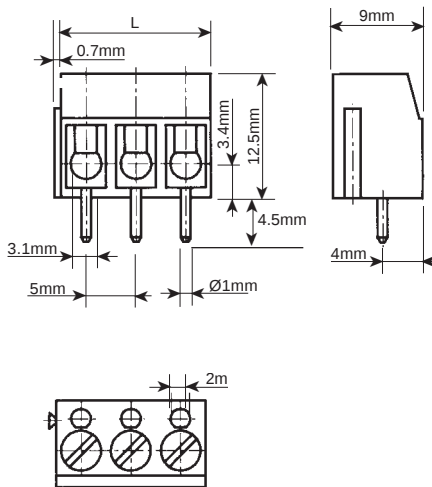
Cat. No.

Length L  
mm (in.)

Std. Pk.

|            |        |               |     |
|------------|--------|---------------|-----|
| AK105/2wp  | 30.052 | 10.00 ( .39)  | 100 |
| AK105/3wp  | 30.053 | 15.00 ( .59)  | 100 |
| AK105/4wp  | 30.054 | 20.00 ( .79)  | 50  |
| AK105/5wp  | 30.055 | 25.00 ( .99)  | 50  |
| AK105/6wp  | 30.056 | 30.00 (1.18)  | 50  |
| AK105/7wp  | 30.057 | 35.00 (1.38)  | 30  |
| AK105/8wp  | 30.058 | 40.00 (1.58)  | 30  |
| AK105/9wp  | 30.059 | 45.00 (1.77)  | 30  |
| AK105/10wp | 30.060 | 50.00 (1.97)  | 30  |
| AK105/11wp | 30.061 | 55.00 (2.17)  | 20  |
| AK105/12wp | 30.062 | 60.00 (2.36)  | 20  |
| AK105/13wp | 30.063 | 65.00 (2.56)  | 20  |
| AK105/14wp | 30.064 | 70.00 (2.76)  | 20  |
| AK105/15wp | 30.065 | 75.00 (2.95)  | 20  |
| AK105/16wp | 30.066 | 80.00 (3.15)  | 15  |
| AK105/17wp | 30.067 | 85.00 (3.35)  | 15  |
| AK105/18wp | 30.068 | 90.00 (3.54)  | 15  |
| AK105/19wp | 30.069 | 95.00 (3.74)  | 15  |
| AK105/20wp | 30.070 | 100.00 (3.94) | 15  |
| AK105/21wp | 30.071 | 105.00 (4.13) | 10  |
| AK105/22wp | 30.072 | 110.00 (4.33) | 10  |
| AK105/23wp | 30.073 | 115.00 (4.53) | 10  |
| AK105/24wp | 30.074 | 120.00 (4.72) | 10  |

| mm   | in.   | Dimensions | mm    | in.   |
|------|-------|------------|-------|-------|
| 0.60 | 0.024 |            | 4.00  | 0.157 |
| 0.70 | 0.028 |            | 4.50  | 0.177 |
| 0.90 | 0.035 |            | 5.00  | 0.197 |
| 1.00 | 0.039 |            | 7.50  | 0.295 |
| 1.10 | 0.043 |            | 9.00  | 0.354 |
| 2.00 | 0.079 |            | 10.00 | 0.394 |
| 2.60 | 0.102 |            | 12.50 | 0.492 |
| 2.70 | 0.106 |            | 15.00 | 0.591 |
| 3.10 | 0.122 |            | 22.50 | 0.886 |
| 3.40 | 0.134 |            | 25.00 | 0.984 |
| 3.50 | 0.138 |            |       |       |





Pin Spacing 10mm (.394)  
Stripping Length 6mm (.236)  
Screw Hole Diameter 3mm (.118)

FIXED PRINTED CIRCUIT
Metric Pin Spacinga
Screw-Cage Clamp

For wire-to-board connections in industrial applications and where frequent wire terminations occur.

- Multipole, Modular Design
- Housing Material: Polyamide 6.6
- Standard Color: AK300 is Gray, all others are green

aBlocks with US (Inch) pin spacing begin on page 110.



AK300
45° Wire Entry

Pin Spacing 5mm (.197)
Stripping Length 7mm (.276)
Screw Hole Diameter 3.5mm (.138)

Minimum clearance, small footprint conserves valuable PCB real estate

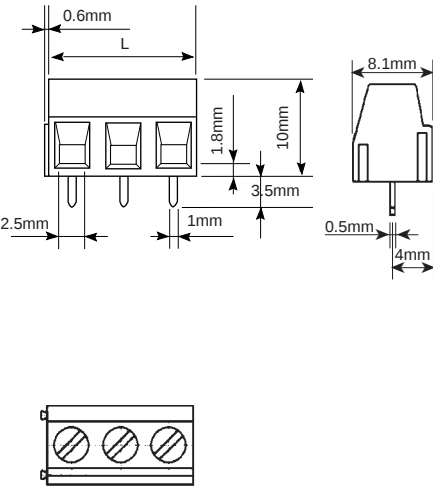
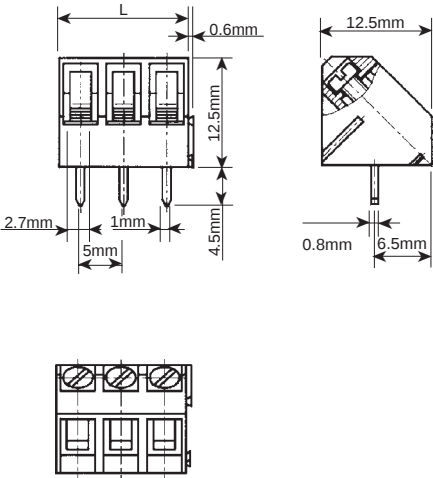


AK(Z)250
Front Wire Entry

Pin Spacing 5.08mm (.200)c
Stripping Length 7mm (.276)
Screw Hole Diameter 3.5mm (.138)

| Ratings                                                                                              |          |              | Wire Range             |          | Current           | Voltage  | Wire Range             |          | Current           | Voltage  |
|------------------------------------------------------------------------------------------------------|----------|--------------|------------------------|----------|-------------------|----------|------------------------|----------|-------------------|----------|
| IEC/VDE                                                                                              |          |              | 0.5-2.5mm <sup>2</sup> |          | 16A               | 250V     | 0.5-1.5mm <sup>2</sup> |          | 16A               | 250V     |
|  (File No. E101811) |          |              | 22-12 AWG              |          | 15A               | 300V     | 28-14 AWG              |          | 15A               | 300V     |
|  (File No. LR68503) |          |              | 22-12 AWG              |          | 15A               | 300V     | 28-14 AWG              |          | 15A               | 300V     |
| Ordering Information                                                                                 |          | No. of Poles | Type                   | Cat. No. | Length L mm (in.) | Std. Pk. | Type                   | Cat. No. | Length L mm (in.) | Std. Pk. |
| Terminal Block, mm Pin Spacing                                                                       |          | 2            | AK300/2                | 30.602   | 10.00 (.39)       | 100      | AK(Z)250/2             | 32.402   | 10.16 (.40)       | 100      |
|                                                                                                      |          | 3            | AK300/3                | 30.603   | 15.00 (.59)       | 100      | AK(Z)250/3             | 32.403   | 15.24 (.60)       | 100      |
|                                                                                                      |          | 4            | AK300/4                | 30.604   | 20.00 (.79)       | 50       | AK(Z)250/4             | 32.404   | 20.32 (.80)       | 50       |
|                                                                                                      |          | 5            | AK300/5                | 30.605   | 25.00 (.99)       | 50       | AK(Z)250/5             | 32.405   | 25.40 (1.00)      | 50       |
|                                                                                                      |          | 6            | AK300/6                | 30.606   | 30.00 (1.18)      | 50       | AK(Z)250/6             | 32.406   | 30.48 (1.20)      | 50       |
|                                                                                                      |          | 7            | AK300/7                | 30.607   | 35.00 (1.38)      | 30       |                        |          |                   |          |
|                                                                                                      |          | 8            | AK300/8                | 30.608   | 40.00 (1.58)      | 30       |                        |          |                   |          |
| 9                                                                                                    | AK300/9  | 30.609       | 45.00 (1.77)           | 30       |                   |          |                        |          |                   |          |
| 10                                                                                                   | AK300/10 | 30.610       | 50.00 (1.97)           | 30       |                   |          |                        |          |                   |          |
| 11                                                                                                   | AK300/11 | 30.611       | 55.00 (2.17)           | 20       |                   |          |                        |          |                   |          |
| 12                                                                                                   | AK300/12 | 30.612       | 60.00 (2.36)           | 20       |                   |          |                        |          |                   |          |
| 13                                                                                                   | AK300/13 | 30.613       | 65.00 (2.56)           | 20       |                   |          |                        |          |                   |          |
| 14                                                                                                   | AK300/14 | 30.614       | 70.00 (2.76)           | 20       |                   |          |                        |          |                   |          |
| 15                                                                                                   | AK300/15 | 30.615       | 75.00 (2.95)           | 20       |                   |          |                        |          |                   |          |
| 16                                                                                                   | AK300/16 | 30.616       | 80.00 (3.15)           | 15       |                   |          |                        |          |                   |          |
| 17                                                                                                   | AK300/17 | 30.617       | 85.00 (3.35)           | 15       |                   |          |                        |          |                   |          |
| 18                                                                                                   | AK300/18 | 30.618       | 90.00 (3.54)           | 15       |                   |          |                        |          |                   |          |
| 19                                                                                                   | AK300/19 | 30.619       | 95.00 (3.74)           | 15       |                   |          |                        |          |                   |          |
| 20                                                                                                   | AK300/20 | 30.620       | 100.00 (3.94)          | 15       |                   |          |                        |          |                   |          |
| 21                                                                                                   | AK300/21 | 30.621       | 105.00 (4.13)          | 10       |                   |          |                        |          |                   |          |
| 22                                                                                                   | AK300/22 | 30.622       | 110.00 (4.33)          | 10       |                   |          |                        |          |                   |          |
| 23                                                                                                   | AK300/23 | 30.623       | 115.00 (4.53)          | 10       |                   |          |                        |          |                   |          |
| 24                                                                                                   | AK300/24 | 30.624       | 120.00 (4.72)          | 10       |                   |          |                        |          |                   |          |

| Dimensions |       |       |       |
|------------|-------|-------|-------|
| mm         | in.   | mm    | in.   |
| 0.50       | 0.020 | 5.00  | 0.197 |
| 0.60       | 0.024 | 5.08  | 0.200 |
| 0.80       | 0.031 | 6.50  | 0.256 |
| 0.90       | 0.035 | 8.10  | 0.319 |
| 1.00       | 0.039 | 9.00  | 0.354 |
| 1.80       | 0.071 | 10.00 | 0.394 |
| 2.50       | 0.098 | 10.50 | 0.413 |
| 2.70       | 0.106 | 12.50 | 0.492 |
| 3.00       | 0.118 | 13.50 | 0.531 |
| 3.50       | 0.138 | 15.00 | 0.591 |
| 4.00       | 0.157 | 15.24 | 0.600 |
| 4.40       | 0.173 | 19.00 | 0.748 |
| 4.50       | 0.177 |       |       |



c Appropriate for use in metric pin spacings up to the number of poles shown.



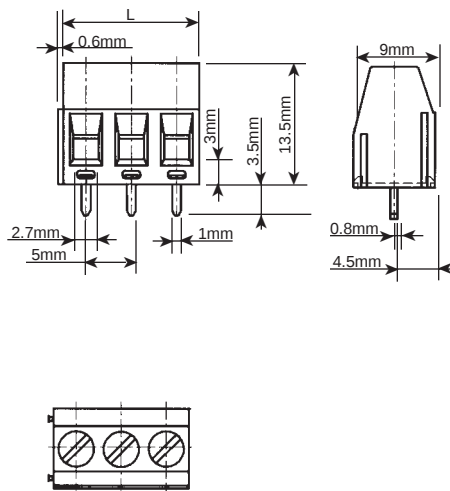
## AK350

### Front Wire Entry

Pin Spacing 5mm (.197)  
Stripping Length 6mm (.236)  
Screw Hole Diameter 4.0mm (.158)

| Wire Range             | Current | Voltage |
|------------------------|---------|---------|
| 0.5-2.5mm <sup>2</sup> | 16A     | 250V    |
| 22-12 AWG              | 16A     | 300V    |
| 28-14 AWG              | 16A     | 300V    |

| Type     | Cat. No. | Length L<br>mm (in.) | Std. Pk. |
|----------|----------|----------------------|----------|
| AK350/2  | 32.002   | 10.00 ( .39)         | 100      |
| AK350/3  | 32.003   | 15.00 ( .59)         | 100      |
| AK350/4  | 32.004   | 20.00 ( .79)         | 50       |
| AK350/5  | 32.005   | 25.00 ( .99)         | 50       |
| AK350/6  | 32.006   | 30.00 (1.18)         | 50       |
| AK350/7  | 32.007   | 35.00 (1.38)         | 30       |
| AK350/8  | 32.008   | 40.00 (1.58)         | 30       |
| AK350/9  | 32.009   | 45.00 (1.77)         | 30       |
| AK350/10 | 32.010   | 50.00 (1.97)         | 30       |
| AK350/11 | 32.011   | 55.00 (2.17)         | 20       |
| AK350/12 | 32.012   | 60.00 (2.36)         | 20       |
| AK350/13 | 32.013   | 65.00 (2.56)         | 20       |
| AK350/14 | 32.014   | 70.00 (2.76)         | 20       |
| AK350/15 | 32.015   | 75.00 (2.95)         | 20       |
| AK350/16 | 32.016   | 80.00 (3.15)         | 15       |
| AK350/17 | 32.017   | 85.00 (3.35)         | 15       |
| AK350/18 | 32.018   | 90.00 (3.54)         | 15       |
| AK350/19 | 32.019   | 95.00 (3.74)         | 15       |
| AK350/20 | 32.020   | 100.00 (3.94)        | 15       |
| AK350/21 | 32.021   | 105.00 (4.13)        | 10       |
| AK350/22 | 32.022   | 110.00 (4.33)        | 10       |
| AK350/23 | 32.023   | 115.00 (4.53)        | 10       |
| AK350/24 | 32.024   | 120.00 (4.72)        | 10       |



Open Bottom Design

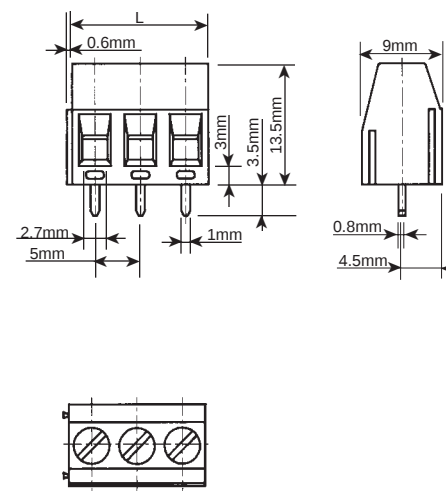
## AK351

### Front Wire Entry

Pin Spacing 5mm (.197)  
Stripping Length 6mm (.236)  
Screw Hole Diameter 4.0mm (.158)

| Wire Range             | Current | Voltage |
|------------------------|---------|---------|
| 0.5-2.5mm <sup>2</sup> | 16A     | 250V    |
| 22-12 AWG              | 16A     | 300V    |
| 28-14 AWG              | 16A     | 300V    |

| Type     | Cat. No. | Length L<br>mm (in.) | Std. Pk. |
|----------|----------|----------------------|----------|
| AK351/2  | 33.002   | 10.00 ( .39)         | 100      |
| AK351/3  | 33.003   | 15.00 ( .59)         | 100      |
| AK351/4  | 33.004   | 20.00 ( .79)         | 50       |
| AK351/5  | 33.005   | 25.00 ( .99)         | 50       |
| AK351/6  | 33.006   | 30.00 (1.18)         | 50       |
| AK351/7  | 33.007   | 35.00 (1.38)         | 30       |
| AK351/8  | 33.008   | 40.00 (1.58)         | 30       |
| AK351/9  | 33.009   | 45.00 (1.77)         | 30       |
| AK351/10 | 33.010   | 50.00 (1.97)         | 30       |
| AK351/11 | 33.011   | 55.00 (2.17)         | 20       |
| AK351/12 | 33.012   | 60.00 (2.36)         | 20       |
| AK351/13 | 33.013   | 65.00 (2.56)         | 20       |
| AK351/14 | 33.014   | 70.00 (2.76)         | 20       |
| AK351/15 | 33.015   | 75.00 (2.95)         | 20       |
| AK351/16 | 33.016   | 80.00 (3.15)         | 15       |
| AK351/17 | 33.017   | 85.00 (3.35)         | 15       |
| AK351/18 | 33.018   | 90.00 (3.54)         | 15       |
| AK351/19 | 33.019   | 95.00 (3.74)         | 15       |
| AK351/20 | 33.020   | 100.00 (3.94)        | 15       |
| AK351/21 | 33.021   | 105.00 (4.13)        | 10       |
| AK351/22 | 33.022   | 110.00 (4.33)        | 10       |
| AK351/23 | 33.023   | 115.00 (4.53)        | 10       |
| AK351/24 | 33.024   | 120.00 (4.72)        | 10       |



Test probe openings on back  
for access to pins



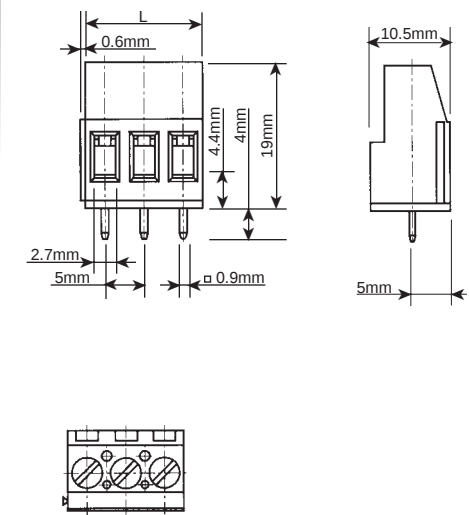
## AK700

### Front Wire Entry

Pin Spacing 5mm (.197)  
Stripping Length 8mm (.315)  
Screw Hole Diameter 3.5mm (.138)

| Wire Range           | Current | Voltage |
|----------------------|---------|---------|
| 0.5-4mm <sup>2</sup> | 16A     | 250V    |
| 22-12 AWG            | 15A     | 300V    |
| 22-12 AWG            | 15A     | 300V    |

| Type     | Cat. No. | Length L<br>mm (in.) | Std. Pk. |
|----------|----------|----------------------|----------|
| AK700/2  | 30.802   | 10.00 ( .39)         | 100      |
| AK700/3  | 30.803   | 15.00 ( .59)         | 100      |
| AK700/4  | 30.804   | 20.00 ( .79)         | 50       |
| AK700/5  | 30.805   | 25.00 ( .99)         | 50       |
| AK700/6  | 30.806   | 30.00 (1.18)         | 50       |
| AK700/7  | 30.807   | 35.00 (1.38)         | 30       |
| AK700/8  | 30.808   | 40.00 (1.58)         | 30       |
| AK700/9  | 30.809   | 45.00 (1.77)         | 30       |
| AK700/10 | 30.810   | 50.00 (1.97)         | 30       |
| AK700/11 | 30.811   | 55.00 (2.17)         | 20       |
| AK700/12 | 30.812   | 60.00 (2.36)         | 20       |
| AK700/13 | 30.813   | 65.00 (2.56)         | 20       |
| AK700/14 | 30.814   | 70.00 (2.76)         | 20       |
| AK700/15 | 30.815   | 75.00 (2.95)         | 20       |
| AK700/16 | 30.816   | 80.00 (3.15)         | 15       |
| AK700/17 | 30.817   | 85.00 (3.35)         | 15       |
| AK700/18 | 30.818   | 90.00 (3.54)         | 15       |
| AK700/19 | 30.819   | 95.00 (3.74)         | 15       |
| AK700/20 | 30.820   | 100.00 (3.94)        | 15       |
| AK700/21 | 30.821   | 105.00 (4.13)        | 10       |
| AK700/22 | 30.822   | 110.00 (4.33)        | 10       |
| AK700/23 | 30.823   | 115.00 (4.53)        | 10       |
| AK700/24 | 30.824   | 120.00 (4.72)        | 10       |



# FIXED PRINTED CIRCUIT DOUBLE AND SINGLE LEVEL Metric Pin Spacing<sup>a</sup> Screw-Cage Clamp

For wire-to-board connections in industrial applications and where frequent wire terminations occur.

Use Double Level where space requirements call for high density wiring.

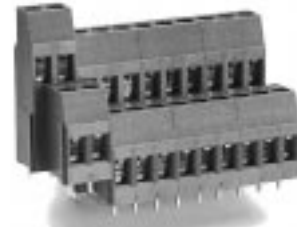
- Multipole, Modular Design
- Housing Material: Polyamide 6.6
- Standard Color: Green

<sup>a</sup>Blocks with US (Inch) pin spacing begin on page 110.



**AK705**  
Top Wire Entry

Pin Spacing 5mm (.197)  
Stripping Length 8mm (.315)  
Screw Hole Diameter 3mm (.118)



**AK750**  
Front Wire Entry

Pin Spacing 5mm (.197)  
Stripping Length 8mm (.315)  
Screw Hole Diameter 4mm (.158)

## Ratings

IEC/VDE

UL (File No. E101811)

CSA (File No. LR68503)

## Wire Range

0.5-4mm<sup>2</sup>

22-12 AWG

22-12 AWG

## Current

16A

15A

15A

## Voltage

250V

300V

300V

## Wire Range

0.5-4mm<sup>2</sup>

22-12 AWG

22-12 AWG

## Current

16A

15A

15A

## Voltage

250V

300V

300V

## Ordering Information

## No. of Poles

AK705

AK400

AK710

AK793

## Terminal Block, mm Pin Spacing

4

2

6

3

8

4

10

5

12

6

14

7

16

8

18

9

20

10

22

11

24

12

26

13

28

14

30

15

32

16

34

17

36

18

38

19

40

20

42

21

44

22

46

23

48

24

50

52

## Type

## Cat. No.

## Length L mm (in.)

## Std. Pk.

AK705/2

35.102

10.00 (.39)

100

AK705/3

35.103

15.00 (.59)

100

AK705/4

35.104

20.00 (.79)

50

AK705/5

35.105

25.00 (.99)

50

AK705/6

35.106

30.00 (1.18)

50

AK705/7

35.107

35.00 (1.38)

30

AK705/8

35.108

40.00 (1.58)

30

AK705/9

35.109

45.00 (1.77)

30

AK705/10

35.110

50.00 (1.97)

30

AK705/11

35.111

55.00 (2.17)

20

AK705/12

35.112

60.00 (2.36)

20

AK705/13

35.113

65.00 (2.56)

20

AK705/14

35.114

70.00 (2.76)

20

AK705/15

35.115

75.00 (2.95)

20

AK705/16

35.116

80.00 (3.15)

15

AK705/17

35.117

85.00 (3.35)

15

AK705/18

35.118

90.00 (3.54)

15

AK705/19

35.119

95.00 (3.74)

15

AK705/20

35.120

100.00 (3.94)

15

AK705/21

35.121

105.00 (4.13)

10

AK705/22

35.122

110.00 (4.33)

10

AK705/23

35.123

115.00 (4.53)

10

AK705/24

35.124

120.00 (4.72)

10

## Type

## Cat. No.

## Length L mm (in.)

## Std. Pk.

AK750/4

31.004

12.50 (.49)

50

AK750/6

31.006

17.50 (.69)

50

AK750/8

31.008

22.50 (.89)

25

AK750/10

31.010

27.50 (1.08)

25

AK750/12

31.012

32.50 (1.28)

25

AK750/14

31.014

37.50 (1.48)

15

AK750/16

31.016

42.50 (1.67)

15

AK750/18

31.018

47.50 (1.87)

15

AK750/20

31.020

52.50 (2.07)

15

AK750/22

31.022

57.50 (2.26)

10

AK750/24

31.024

62.50 (2.46)

10

AK750/26

31.026

67.50 (2.66)

10

AK750/28

31.028

72.50 (2.85)

10

AK750/30

31.030

77.50 (3.05)

10

AK750/32

31.032

82.50 (3.25)

10

AK750/34

31.034

87.50 (3.45)

10

AK750/36

31.036

92.50 (3.64)

10

AK750/38

31.038

97.50 (3.84)

10

AK750/40

31.040

102.50 (4.03)

5

AK750/42

31.042

107.50 (4.23)

5

AK750/44

31.044

112.50 (4.43)

5

AK750/46

31.046

117.50 (4.63)

5

AK750/48

31.048

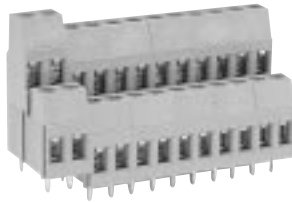
122.50 (4.82)

5

AK750/50

31.050

No pin offset

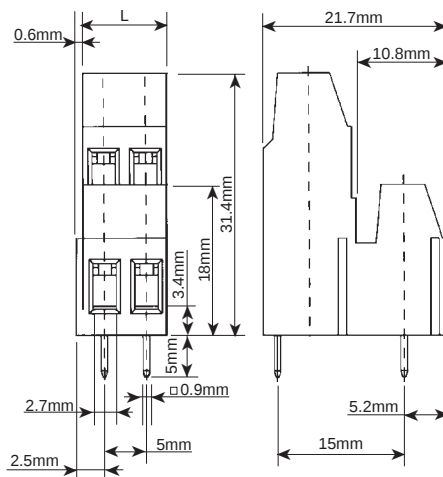


## AK790 Front Wire Entry

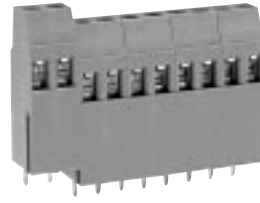
Pin Spacing 5mm (.197)  
Stripping Length 8mm (.315)  
Screw Hole Diameter 4mm (.157)

| Wire Range             | Current | Voltage |
|------------------------|---------|---------|
| 0.5-4mm <sup>2</sup>   | 16A     | 250V    |
| 22-12 AWG <sup>b</sup> | 15A     | 300V    |
| 22-12 AWG <sup>b</sup> | 15A     | 300V    |

| Type     | Cat. No.      | Length L<br>mm (in.) | Std. Pk. |
|----------|---------------|----------------------|----------|
| AK790/4  | <b>34.804</b> | 10.00 ( .39)         | 50       |
| AK790/8  | <b>34.808</b> | 20.00 ( .79)         | 25       |
| AK790/12 | <b>34.812</b> | 30.00 (1.18)         | 25       |
| AK790/16 | <b>34.816</b> | 40.00 (1.58)         | 15       |
| AK790/20 | <b>34.820</b> | 50.00 (1.97)         | 15       |
| AK790/24 | <b>34.824</b> | 60.00 (2.36)         | 10       |
| AK790/28 | <b>34.828</b> | 70.00 (2.76)         | 10       |
| AK790/32 | <b>34.832</b> | 80.00 (3.15)         | 10       |
| AK790/36 | <b>34.836</b> | 90.00 (3.54)         | 10       |
| AK790/40 | <b>34.840</b> | 100.00 (3.94)        | 5        |
| AK790/44 | <b>34.844</b> | 110.00 (4.33)        | 5        |
| AK790/48 | <b>34.848</b> | 120.00 (4.72)        | 5        |
| AK790/52 | <b>34.852</b> | 130.00 (5.12)        | 5        |



<sup>b</sup>Pending  
Note: Missing No. of Poles available in 1997

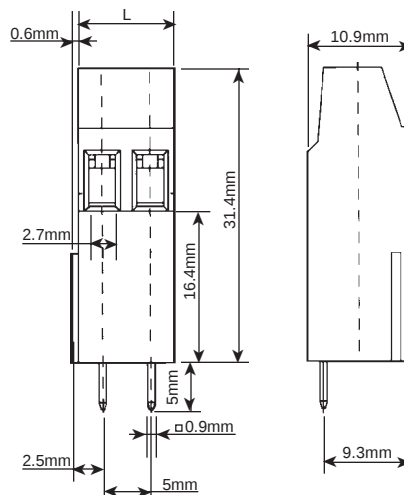


## AK793 Front Wire Entry

Pin Spacing 5mm (.197)  
Stripping Length 8mm (.315)  
Screw Hole Diameter 4mm (.157)

| Wire Range             | Current | Voltage |
|------------------------|---------|---------|
| 0.5-4mm <sup>2</sup>   | 16A     | 250V    |
| 22-12 AWG <sup>b</sup> | 15A     | 300V    |
| 22-12 AWG <sup>b</sup> | 15A     | 300V    |

| Type     | Cat. No.      | Length L<br>mm (in.) | Std. Pk. |
|----------|---------------|----------------------|----------|
| AK793/2  | <b>34.902</b> | 10.00 ( .39)         | 100      |
| AK793/4  | <b>34.904</b> | 20.00 ( .79)         | 50       |
| AK793/6  | <b>34.906</b> | 30.00 (1.18)         | 50       |
| AK793/8  | <b>34.908</b> | 40.00 (1.58)         | 30       |
| AK793/10 | <b>34.910</b> | 50.00 (1.97)         | 30       |
| AK793/12 | <b>34.912</b> | 60.00 (2.36)         | 20       |
| AK793/14 | <b>34.914</b> | 70.00 (2.76)         | 20       |
| AK793/16 | <b>34.916</b> | 80.00 (3.15)         | 15       |
| AK793/18 | <b>34.918</b> | 90.00 (3.54)         | 15       |



<sup>b</sup>Pending  
Note: Missing No. of Poles available in 1997

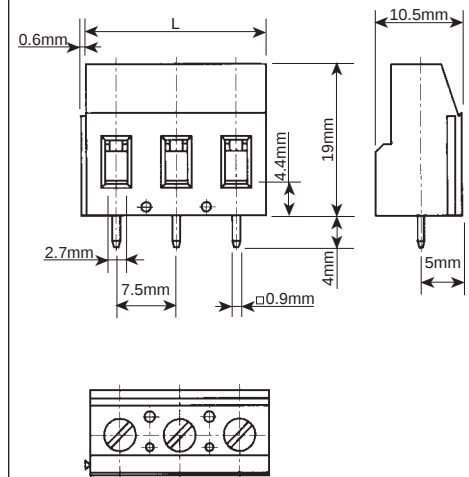


## AK710 Front Wire Entry

Pin Spacing 7.5mm (.295)  
Stripping Length 8mm (.315)  
Screw Hole Diameter 3.5mm (.138)

| Wire Range           | Current | Voltage |
|----------------------|---------|---------|
| 0.5-4mm <sup>2</sup> | 16A     | 500V    |
| 22-12 AWG            | 15A     | 300V    |
| 22-12AWG             | 15A     | 300V    |

| Type     | Cat. No.      | Length L<br>mm (in.) | Std. Pk. |
|----------|---------------|----------------------|----------|
| AK710/2  | <b>30.902</b> | 15.00 ( .59)         | 100      |
| AK710/3  | <b>30.903</b> | 22.50 ( .89)         | 100      |
| AK710/4  | <b>30.904</b> | 30.00 (1.18)         | 50       |
| AK710/5  | <b>30.905</b> | 37.50 (1.48)         | 50       |
| AK710/6  | <b>30.906</b> | 45.00 (1.77)         | 50       |
| AK710/7  | <b>30.907</b> | 52.50 (2.08)         | 30       |
| AK710/8  | <b>30.908</b> | 60.00 (2.36)         | 30       |
| AK710/9  | <b>30.909</b> | 67.50 (2.66)         | 30       |
| AK710/10 | <b>30.910</b> | 75.00 (2.95)         | 30       |
| AK710/11 | <b>30.911</b> | 82.50 (3.25)         | 20       |
| AK710/12 | <b>30.912</b> | 90.00 (3.54)         | 20       |
| AK710/13 | <b>30.913</b> | 97.50 (3.84)         | 20       |
| AK710/14 | <b>30.914</b> | 105.00 (4.13)        | 20       |
| AK710/15 | <b>30.915</b> | 112.50 (4.43)        | 20       |



# **FIXED PRINTED CIRCUIT DOUBLE AND SINGLE LEVEL Metric Pin Spacing<sup>a</sup> Screw-Cage Clamp**

For wire-to-board connections in industrial applications and where frequent wire terminations occur.

Use Double Level where space requirements call for high density wiring.

- Multipole, Modular Design
- Housing Material: Polyamide 6.6
- Standard Color: Green

<sup>a</sup>Blocks with US (Inch) pin spacing begin on page 110.

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
| <b>Ratings</b>                                                                                      |
| IEC/VDE                                                                                             |
|  (File No. E101811) |
|  (File No. LR68503) |

| Ordering Information           | No. of Poles<br>AK850 AK800 |    | Type     | Cat. No. | Length L<br>mm (in.) | Std. Pk. |
|--------------------------------|-----------------------------|----|----------|----------|----------------------|----------|
| Terminal Block, mm Pin Spacing | 4                           | 2  | AK800/2  | 39.102   | 15.00 ( .59)         | 100      |
|                                | 6                           | 3  | AK800/3  | 39.103   | 25.00 ( .99)         | 50       |
|                                | 8                           | 4  | AK800/4  | 39.104   | 35.00 (1.38)         | 30       |
|                                | 10                          | 5  | AK800/5  | 39.105   | 45.00 (1.77)         | 30       |
|                                | 12                          | 6  | AK800/6  | 39.106   | 55.00 (2.17)         | 20       |
|                                | 14                          | 7  | AK800/7  | 39.107   | 65.00 (2.56)         | 20       |
|                                | 16                          | 8  | AK800/8  | 39.108   | 75.00 (2.95)         | 20       |
|                                | 18                          | 9  | AK800/9  | 39.109   | 85.00 (3.35)         | 15       |
|                                | 20                          | 10 | AK800/10 | 39.110   | 95.00 (3.74)         | 15       |
|                                | 22                          | 11 | AK800/11 | 39.111   | 105.00 (4.13)        | 10       |
|                                | 24                          | 12 | AK800/12 | 39.112   | 115.00 (4.53)        | 10       |
|                                |                             |    |          |          |                      |          |
|                                |                             |    |          |          |                      |          |
|                                |                             |    |          |          |                      |          |
|                                |                             |    |          |          |                      |          |
|                                |                             |    |          |          |                      |          |



**AK800**  
Front Wire Entry

Pin Spacing 10mm (.394)  
Stripping Length 8mm (.315)  
Screw Hole Diameter 3.5mm (.138)

|                      |                |                |
|----------------------|----------------|----------------|
| <b>Wire Range</b>    | <b>Current</b> | <b>Voltage</b> |
| 0.5-4mm <sup>2</sup> | 16A            | 630V           |
| 22-12 AWG            | 15A            | 300V           |
| 22-12 AWG            | 15A            | 300V           |

| Type     | Cat. No. | Length L<br>mm (in.) | Std. Pk. |
|----------|----------|----------------------|----------|
| AK800/2  | 39.102   | 15.00 ( .59)         | 100      |
| AK800/3  | 39.103   | 25.00 ( .99)         | 50       |
| AK800/4  | 39.104   | 35.00 (1.38)         | 30       |
| AK800/5  | 39.105   | 45.00 (1.77)         | 30       |
| AK800/6  | 39.106   | 55.00 (2.17)         | 20       |
| AK800/7  | 39.107   | 65.00 (2.56)         | 20       |
| AK800/8  | 39.108   | 75.00 (2.95)         | 20       |
| AK800/9  | 39.109   | 85.00 (3.35)         | 15       |
| AK800/10 | 39.110   | 95.00 (3.74)         | 15       |
| AK800/11 | 39.111   | 105.00 (4.13)        | 10       |
| AK800/12 | 39.112   | 115.00 (4.53)        | 10       |



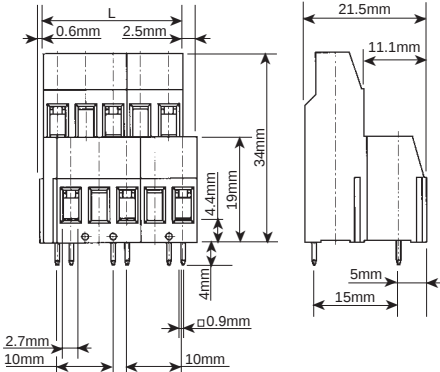
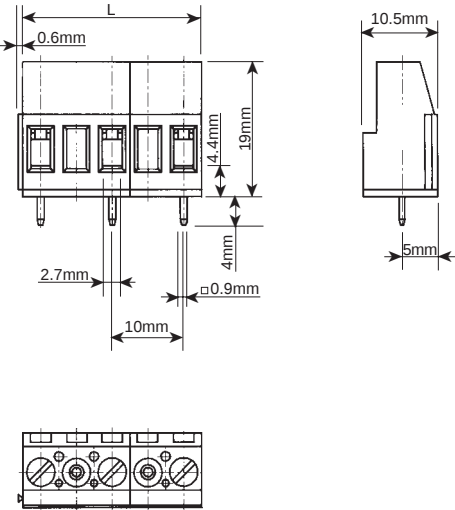
**AK850**  
Front Wire Entry

Pin Spacing 10mm (.394)  
Stripping Length 8mm (.315)  
Screw Hole Diameter 4mm (.158)

|                      |                |                |
|----------------------|----------------|----------------|
| <b>Wire Range</b>    | <b>Current</b> | <b>Voltage</b> |
| 0.5-4mm <sup>2</sup> | 16A            | 630V           |
| 22-12 AWG            | 15A            | 300V           |
| 22-12 AWG            | 15A            | 300V           |

| Type     | Cat. No. | Length L<br>mm (in.) | Std. Pk. |
|----------|----------|----------------------|----------|
| AK850/4  | 34.704   | 17.50 ( .69)         | 50       |
| AK850/6  | 34.706   | 27.50 (1.08)         | 25       |
| AK850/8  | 34.708   | 37.50 (1.48)         | 15       |
| AK850/10 | 34.710   | 47.50 (1.87)         | 15       |
| AK850/12 | 34.712   | 57.50 (2.26)         | 10       |
| AK850/14 | 34.714   | 67.50 (2.66)         | 10       |
| AK850/16 | 34.716   | 77.50 (3.05)         | 10       |
| AK850/18 | 34.718   | 87.50 (3.45)         | 10       |
| AK850/20 | 34.720   | 97.50 (3.84)         | 10       |
| AK850/22 | 34.722   | 107.50 (4.23)        | 10       |
| AK850/24 | 34.724   | 117.50 (4.63)        | 10       |

| Dimensions |       |       |       |
|------------|-------|-------|-------|
| mm         | in.   | mm    | in.   |
| 0.60       | 0.024 | 10.50 | 0.413 |
| 0.90       | 0.035 | 11.10 | 0.437 |
| 2.50       | 0.098 | 15.00 | 0.591 |
| 2.70       | 0.106 | 19.00 | 0.748 |
| 4.00       | 0.157 | 21.50 | 0.846 |
| 4.40       | 0.173 | 25.00 | 0.984 |
| 5.00       | 0.197 | 34.00 | 1.339 |
| 10.00      | 0.394 |       |       |



## FIXED PRINTED CIRCUIT Metric Pin Spacing<sup>a</sup> Dual Pin Screwless Spring Clamp

Choose from 3 methods of clamp actuation:

Type AK(Z)3000 - Insert a small screwdriver with a tip width up to 3mm (approx. 1/8") into slot in housing and push to open clamp.

Type AK(Z)3001KD - Push on grooved lever with screwdriver to open clamp.

Type AK(Z)3001FD - Simply push flat lever with finger to open clamp.

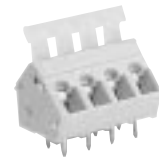
- Interlocking Sectional Design
- Stainless Steel Spring
- Front to Rear Pin Spacing, 5mm (.197 in.)
- Multipole Assemblies Supplied with End Plate Installed.
- Housing Material: Polyamide 6.6
- Standard Color: Light Gray

<sup>a</sup>Blocks with US (inch) pin spacing begin on page 110.

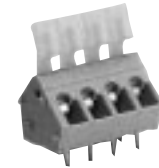


**AK3000**  
45° Wire Entry  
Without Lever

Pin Spacing 5mm (.197)  
Stripping Length 6mm (.236)



**AK3001KD**  
45° Wire Entry  
With Grooved Push Lever



**AK3001FD**  
45° Wire Entry  
With Flat Push Lever

Pin Spacing 5mm (.197)  
Stripping Length 6mm (.236)



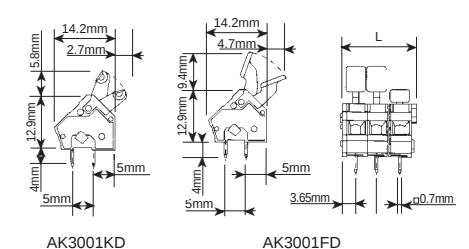
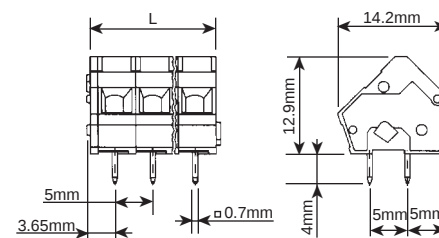
| Wire Range             | Current | Voltage |
|------------------------|---------|---------|
| 0.5-2.5mm <sup>2</sup> | 10A     | 250V    |
| 28-14 AWG              | 15A     | 300V    |
| 28-14 AWG              | 15A     | 300V    |

| Wire Range             | Current | Voltage |
|------------------------|---------|---------|
| 0.5-2.5mm <sup>2</sup> | 10A     | 250V    |
| 28-14 AWG              | 15A     | 300V    |
| 28-14 AWG              | 15A     | 300V    |

| Ordering Information                                           | No. of Poles <sup>c</sup> | Type      | Cat. No. | Length L mm (in.) | Std. Pk.         | Type                           | Cat. No. | Length L mm (in.) | Std. Pk.         |
|----------------------------------------------------------------|---------------------------|-----------|----------|-------------------|------------------|--------------------------------|----------|-------------------|------------------|
| <b>Terminal Block, mm Pin Spacing</b>                          |                           |           |          |                   |                  |                                |          |                   |                  |
| <b>Two through twelve pole assemblies include one endplate</b> |                           |           |          |                   |                  |                                |          |                   |                  |
|                                                                | 1 <sup>b</sup>            | AK3000/1  | 32.101   | 7.20 (.28)        | 200 <sup>b</sup> | <b>With Grooved Push Lever</b> |          |                   |                  |
|                                                                | 2                         | AK3000/2  | 32.102   | 12.20 (.48)       | 100              | AK3001KD/1                     | 32.201   | 7.90 (.31)        | 200 <sup>b</sup> |
|                                                                | 3                         | AK3000/3  | 32.103   | 17.20 (.67)       | 100              | AK3001KD/2                     | 32.202   | 12.90 (.50)       | 100              |
|                                                                | 4                         | AK3000/4  | 32.104   | 22.20 (.87)       | 50               | AK3000KD/3                     | 32.203   | 17.90 (.70)       | 100              |
|                                                                | 5                         | AK3000/5  | 32.105   | 27.20 (1.07)      | 50               | AK3001KD/4                     | 32.204   | 22.90 (.90)       | 50               |
|                                                                | 6                         | AK3000/6  | 32.106   | 32.20 (1.28)      | 50               | AK3001KD/5                     | 32.205   | 27.90 (1.10)      | 50               |
|                                                                | 7                         | AK3000/7  | 32.107   | 37.20 (1.46)      | 30               | AK3001KD/6                     | 32.206   | 32.90 (1.30)      | 50               |
|                                                                | 8                         | AK3000/8  | 32.108   | 42.20 (1.66)      | 30               | AK3001KD/7                     | 32.207   | 37.90 (1.49)      | 30               |
|                                                                | 9                         | AK3000/9  | 32.109   | 47.20 (1.85)      | 30               | AK3001KD/8                     | 32.208   | 42.90 (1.69)      | 30               |
|                                                                | 10                        | AK3000/10 | 32.110   | 52.20 (2.25)      | 30               | AK3001KD/9                     | 32.209   | 47.90 (1.89)      | 30               |
|                                                                | 11                        | AK3000/11 | 32.111   | 57.20 (2.25)      | 20               | AK3001KD/10                    | 32.210   | 52.90 (2.08)      | 30               |
|                                                                | 12                        | AK3000/12 | 32.112   | 62.20 (2.44)      | 20               | AK3001KD/11                    | 32.211   | 57.90 (2.28)      | 20               |
|                                                                |                           |           |          |                   |                  | AK3001KD/12                    | 32.212   | 62.90 (2.44)      | 20               |
| <b>Terminal Block, mm Pin Spacing</b>                          |                           |           |          |                   |                  |                                |          |                   |                  |
| <b>Two through twelve pole assemblies include one endplate</b> |                           |           |          |                   |                  |                                |          |                   |                  |
|                                                                | 1 <sup>b</sup>            |           |          |                   |                  | <b>With Flat Push Lever</b>    |          |                   |                  |
|                                                                | 2                         |           |          |                   |                  | AK3001FD/1                     | 32.301   | 7.90 (.31)        | 200 <sup>b</sup> |
|                                                                | 3                         |           |          |                   |                  | AK3001FD/2                     | 32.302   | 12.90 (.50)       | 100              |
|                                                                | 4                         |           |          |                   |                  | AK3001FD/3                     | 32.303   | 17.90 (.70)       | 100              |
|                                                                | 5                         |           |          |                   |                  | AK3001FD/4                     | 32.304   | 22.90 (.90)       | 50               |
|                                                                | 6                         |           |          |                   |                  | AK3001FD/5                     | 32.305   | 27.90 (1.10)      | 50               |
|                                                                | 7                         |           |          |                   |                  | AK3001FD/6                     | 32.306   | 32.90 (1.30)      | 50               |
|                                                                | 8                         |           |          |                   |                  | AK3001FD/7                     | 32.307   | 37.90 (1.49)      | 30               |
|                                                                | 9                         |           |          |                   |                  | AK3001FD/8                     | 32.308   | 42.90 (1.69)      | 30               |
|                                                                | 10                        |           |          |                   |                  | AK3001FD/9                     | 32.309   | 47.90 (1.89)      | 30               |
|                                                                | 11                        |           |          |                   |                  | AK3001FD/10                    | 32.310   | 52.90 (2.08)      | 30               |
|                                                                | 12                        |           |          |                   |                  | AK3001FD/11                    | 32.311   | 57.90 (2.28)      | 20               |
|                                                                |                           |           |          |                   |                  | AK3001FD/12                    | 32.312   | 62.90 (2.44)      | 20               |
| <b>End Plate</b>                                               |                           | AP3000    | 32.100   |                   | 50               | AP3001                         | 32.200   |                   | 50               |

| Dimensions |       |       |       |
|------------|-------|-------|-------|
| mm         | in.   | mm    | in.   |
| 0.70       | 0.028 | 5.80  | 0.228 |
| 2.70       | 0.106 | 9.40  | 0.370 |
| 3.65       | 0.144 | 12.90 | 0.508 |
| 4.00       | 0.157 | 14.20 | 0.559 |
| 4.70       | 0.185 |       |       |
| 5.00       | 0.197 |       |       |

<sup>b</sup> Supplied as 50 pole break apart assemblies, includes one end plate. Order additional end plates separately  
<sup>c</sup> Up to 50 poles available, please consult Altech



# **PLUGGABLE PRINTED CIRCUIT** **Metric Pin Spacing<sup>a</sup>** **Tubular Screw Clamp Plug**

For plug-in applications where infrequent wire-to-board connections are made and a very cost effective pluggable terminal block is needed.

Multipole assemblies are offered in modular interlocking design up to 12 poles or single mold construction up to 16 poles. While modular construction reduces and simplifies inventory, the single mold design provides maximum strength.

- Modular or Single Mold Design
- Wire Protector Standard
- Housing Material: Polyamide 6.6
- Standard Color: Gray

<sup>a</sup>Blocks with US (Inch) pin spacing begin on page 110.



## **AK130**

### **Modular Plug**

Pole Spacing 5mm (.197)  
Stripping Length 6mm (.236)  
Screw Hole Diameter 3.5mm (.138)

Use with STL130, STL132, STL140 Headers



## **AK132**

### **Single Mold Plug**

Pole Spacing 5mm (.197)  
Stripping Length 6mm (.236)  
Screw Hole Diameter 3.5mm (.138)

Use with STL130, STL132, STL140 Headers

#### **Ratings**

IEC/VDE  
 (File No. E101811)  
 (File No. LR68503)

#### **Wire Range**

0.5-1.5mm<sup>2</sup>  
 22-14 AWG  
 22-14 AWG

#### **Current**

10A  
 10A  
 10A

#### **Voltage**

250V  
 300V  
 300V

#### **Wire Range**

0.5-1.5mm<sup>2</sup>  
 22-14 AWG  
 22-14 AWG

#### **Current**

10A  
 10A  
 10A

#### **Voltage**

250V  
 300V  
 300V

#### **Ordering Information**

#### **No. of Poles**

#### **Plug, mm Pole Spacing**

#### **Type**

#### **Cat. No.**

#### **Length L mm (in.)**

#### **Std. Pk.**

|            |               |              |     |
|------------|---------------|--------------|-----|
| AK130/2wp  | <b>30.302</b> | 10.00 (.39)  | 100 |
| AK130/3wp  | <b>30.303</b> | 15.00 (.59)  | 100 |
| AK130/4wp  | <b>30.304</b> | 20.00 (.79)  | 50  |
| AK130/5wp  | <b>30.305</b> | 25.00 (.99)  | 50  |
| AK130/6wp  | <b>30.306</b> | 30.00 (1.18) | 50  |
| AK130/7wp  | <b>30.307</b> | 35.00 (1.38) | 30  |
| AK130/8wp  | <b>30.308</b> | 40.00 (1.58) | 30  |
| AK130/9wp  | <b>30.309</b> | 45.00 (1.77) | 30  |
| AK130/10wp | <b>30.310</b> | 50.00 (1.97) | 30  |
| AK130/11wp | <b>30.311</b> | 55.00 (2.17) | 20  |
| AK130/12wp | <b>30.312</b> | 60.00 (2.36) | 20  |

#### **Type**

#### **Cat. No.**

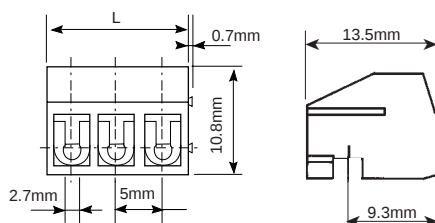
#### **Length L mm (in.)**

#### **Std. Pk.**

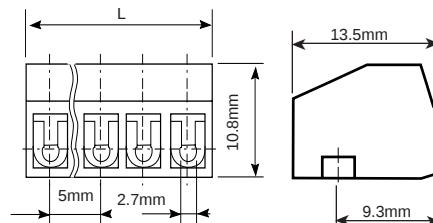
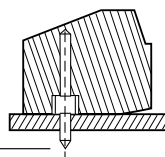
|            |               |              |     |
|------------|---------------|--------------|-----|
| AK132/2wp  | <b>30.322</b> | 10.00 (.39)  | 100 |
| AK132/3wp  | <b>30.323</b> | 15.00 (.59)  | 100 |
| AK132/4wp  | <b>30.324</b> | 20.00 (.79)  | 50  |
| AK132/5wp  | <b>30.325</b> | 25.00 (.99)  | 50  |
| AK132/6wp  | <b>30.326</b> | 30.00 (1.18) | 50  |
| AK132/7wp  | <b>30.327</b> | 35.00 (1.38) | 30  |
| AK132/8wp  | <b>30.328</b> | 40.00 (1.58) | 30  |
| AK132/9wp  | <b>30.329</b> | 45.00 (1.77) | 30  |
| AK132/10wp | <b>30.330</b> | 50.00 (1.97) | 30  |
| AK132/11wp | <b>30.331</b> | 55.00 (2.17) | 20  |
| AK132/12wp | <b>30.332</b> | 60.00 (2.36) | 20  |
| AK132/13wp | <b>30.333</b> | 65.00 (2.56) | 20  |
| AK132/14wp | <b>30.334</b> | 70.00 (2.76) | 20  |
| AK132/15wp | <b>30.335</b> | 75.00 (2.95) | 20  |
| AK132/16wp | <b>30.336</b> | 80.00 (3.15) | 15  |

| mm   | in.   | mm    | in.   |
|------|-------|-------|-------|
| 0.70 | 0.028 | 9.30  | 0.366 |
| 2.70 | 0.106 | 10.80 | 0.425 |
| 5.00 | 0.197 | 13.50 | 0.531 |

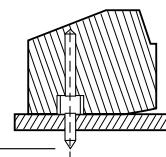
#### **Dimensions**



STL(Z)130  
STL(Z)132



STL(Z)130  
STL(Z)132



## PLUGGABLE PRINTED CIRCUIT Metric Pin Spacing<sup>a</sup> Pin Headers

STL130, STL132 (Straight) and STL140 (Right Angle) Pin Headers are used with the highly cost effective Tubular Screw Clamp Plugs, Types AK130 and AK132. in lighter duty applications where infrequent wire to board connections must be made. Type STL132 features a reduced pin diameter of 1.0mm (.0394") on the soldering side.

Open pin headers are supplied in strips up to 16 poles or in standard 24 pole lengths. The Pin Header strip features breakaway construction that eliminates cutting or sawing.

- Straight and Right Angle
- Strip Material: Polyamide 6.6
- Standard Color: Gray

<sup>a</sup>Blocks with US (Inch) pin spacing begin on page 110.



**STL130**  
Straight Pin Header



**STL140**  
Right Angle Pin Header<sup>b</sup>

Pin Spacing 5mm (.197)

Use with AK130 and AK132 Plugs

Smaller pin diameter for 1.0mm (.0394") through-holes



**STL132**  
Straight Pin Header

Pin Spacing 5mm (.197)

Use with AK130, AK132 Plugs

### Ratings

IEC/VDE

 (File No. E101811)

 (File No. LR68503)

### Current

10A

10A<sup>c</sup>

10A<sup>c</sup>

### Voltage

250V

300V<sup>c</sup>

300V<sup>c</sup>

### Current

10A

10A<sup>c</sup>

10A<sup>c</sup>

### Voltage

250V

300V<sup>c</sup>

300V<sup>c</sup>

### Ordering Information

### No. of Poles

### Type

### Cat. No.

### Length L mm (in.)

### Std. Pk.

### Straight Pin Header, mm Pin Spacing

2  
3  
4  
5  
6  
7

STL130/2  
STL130/3  
STL130/4  
STL130/5  
STL130/6  
STL130/7

30.352  
30.353  
30.354  
30.355  
30.356  
30.357

10.00 (.39)  
15.00 (.59)  
20.00 (.79)  
25.00 (.98)  
30.00 (1.18)  
35.00 (1.38)

100  
100  
50  
50  
50  
30

### Type

### Cat. No.

### Length L mm (in.)

### Std. Pk.

STL132/2  
STL132/3  
STL132/4  
STL132/5  
STL132/6  
STL132/7

32.502  
32.503  
32.504  
32.505  
32.506  
32.507

10.00 (.39)  
15.00 (.59)  
20.00 (.79)  
25.00 (.98)  
30.00 (1.18)  
35.00 (1.38)

100  
100  
50  
50  
50  
30

8  
9  
10  
11  
12  
13  
14

STL130/8  
STL130/9  
STL130/10  
STL130/11  
STL130/12  
STL130/13  
STL130/14

30.358  
30.359  
30.360  
30.361  
30.362  
30.363  
30.364

40.00 (1.58)  
45.00 (1.77)  
50.00 (1.97)  
55.00 (2.17)  
60.00 (2.36)  
65.00 (2.56)  
70.00 (2.76)

30  
30  
30  
20  
20  
20  
20

STL132/8  
STL132/9  
STL132/10  
STL132/11  
STL132/12  
STL132/13  
STL132/14

32.508  
32.509  
32.510  
32.511  
32.512  
32.513  
32.514

40.00 (1.58)  
45.00 (1.77)  
50.00 (1.97)  
55.00 (2.17)  
60.00 (2.36)  
65.00 (2.56)  
70.00 (2.76)

30  
30  
30  
20  
20  
20  
20

15  
16  
24

STL130/15  
STL130/16  
STL130/24

30.365  
30.366  
30.374

75.00 (2.95)  
80.00 (3.15)  
120.00 (4.72)

20  
20  
20

STL132/15  
STL132/16  
STL132/24

32.515  
32.516  
32.524

75.00 (2.95)  
80.00 (3.15)  
120.00 (4.72)

20  
20  
20

### Right Angle Pin Header, mm Pin Spacing

2  
3  
4  
5  
6  
7

STL140/2  
STL140/3  
STL140/4  
STL140/5  
STL140/6  
STL140/7

30.472  
30.473  
30.474  
30.475  
30.476  
30.477

10.00 (.39)  
15.00 (.59)  
20.00 (.79)  
25.00 (.98)  
30.00 (1.18)  
35.00 (1.38)

100  
100  
50  
50  
50  
50

8  
9  
10  
11  
12  
13  
14

STL140/8  
STL140/9  
STL140/10  
STL140/11  
STL140/12  
STL140/13  
STL140/14

30.478  
30.479  
30.480  
30.481  
30.482  
30.483  
30.484

40.00 (1.58)  
45.00 (1.77)  
50.00 (1.97)  
55.00 (2.17)  
60.00 (2.36)  
65.00 (2.56)  
70.00 (2.76)

30  
30  
30  
20  
20  
20  
20

15  
16  
24

STL140/15  
STL140/16  
STL140/24

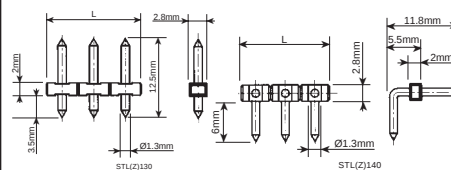
30.485  
30.486  
30.494

75.00 (2.95)  
80.00 (3.15)  
120.00 (4.72)

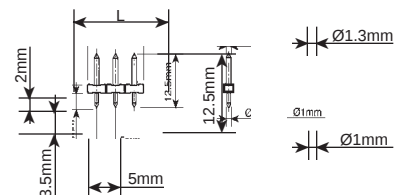
20  
20  
20

| Dimensions |       |       |       |
|------------|-------|-------|-------|
| mm         | in.   | mm    | in.   |
| 1.00       | 0.039 | 5.50  | 0.217 |
| 1.30       | 0.051 | 6.00  | 0.236 |
| 2.00       | 0.079 | 11.80 | 0.465 |
| 2.80       | 0.110 | 12.50 | 0.492 |
| 3.50       | 0.138 | 15.00 | 0.591 |
| 5.00       | 0.197 |       |       |

<sup>b</sup>To insure proper pin positioning, install header into AK130 or AK132 Plug before soldering into board



<sup>c</sup> Pending, STL140, STL132



# STANDARD PLUGGABLE PRINTED CIRCUIT

## Metric Pin Spacing<sup>a</sup>

### Screw-Cage Clamp Plug

For standard industrial plug-in applications where multiple wire-to-board connections must be made quickly and simultaneously.

Reduce wiring mistakes, downtime and facilitate troubleshooting. Simply unplug defective board and plug in a new one.

Horizontal and Vertical Headers are available in open and closed end designs. Refer to pages 148 to 149.

- Multipole, Single Mold Construction
- Industry Standard Compatible
- Locking Tabs Prevent Unplugging
- Optional Keying Prevents Misplugging<sup>b</sup>
- Housing Material: Polyamide 6.6
- Standard Color: Green

<sup>a</sup>Blocks with US (Inch) pin spacing begin on page 110.

#### Ratings

IEC/VDE

UL (File No. E101811)

CSA (File No. LR68503)



## AK950

### Wire Entry in Same Direction as Plug-In

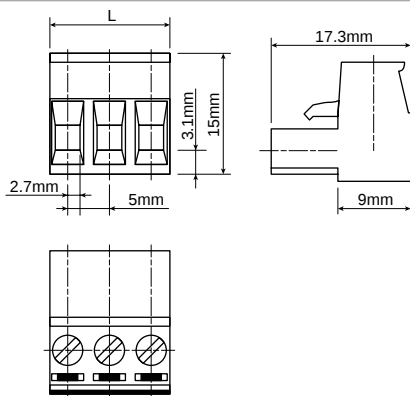
Pole Spacing 5mm (.197)  
Stripping Length 7mm (.276)  
Screw Hole Diameter 3.5mm (.138)

Use with STL950, STL955 Headers

| Wire Range             | Current | Voltage |
|------------------------|---------|---------|
| 0.5-2.5mm <sup>2</sup> | 12A     | 250V    |
| 22-12 AWG              | 15A     | 300V    |
| 28-14 AWG              | 15A     | 300V    |

| Ordering Information  | No. of Poles | Type     | Cat. No. | Length L mm (in.) | Std. Pk. |
|-----------------------|--------------|----------|----------|-------------------|----------|
| Plug, mm Pole Spacing | 2            | AK950/2  | 37.702   | 10.00 (.39)       | 100      |
|                       | 3            | AK950/3  | 37.703   | 15.00 (.59)       | 100      |
|                       | 4            | AK950/4  | 37.704   | 20.00 (.79)       | 50       |
|                       | 5            | AK950/5  | 37.705   | 25.00 (.98)       | 50       |
|                       | 6            | AK950/6  | 37.706   | 30.00 (1.18)      | 50       |
|                       | 7            | AK950/7  | 37.707   | 35.00 (1.38)      | 30       |
|                       | 8            | AK950/8  | 37.708   | 40.00 (1.58)      | 30       |
|                       | 9            | AK950/9  | 37.709   | 45.00 (1.77)      | 30       |
|                       | 10           | AK950/10 | 37.710   | 50.00 (1.97)      | 30       |
|                       | 11           | AK950/11 | 37.711   | 55.00 (2.17)      | 20       |
|                       | 12           | AK950/12 | 37.712   | 60.00 (2.36)      | 20       |
|                       | 13           | AK950/13 | 37.713   | 65.00 (2.56)      | 20       |
|                       | 14           | AK950/14 | 37.714   | 70.00 (2.76)      | 20       |
|                       | 15           | AK950/15 | 37.715   | 75.00 (2.95)      | 20       |
|                       | 16           | AK950/16 | 37.716   | 80.00 (3.15)      | 15       |
|                       | 17           | AK950/17 | 37.717   | 85.00 (3.35)      | 15       |
|                       | 18           | AK950/18 | 37.718   | 90.00 (3.54)      | 15       |
|                       | 19           | AK950/19 | 37.719   | 95.00 (3.74)      | 15       |
|                       | 20           | AK950/20 | 37.720   | 100.00 (3.94)     | 15       |
|                       | 21           | AK950/21 | 37.721   | 105.00 (4.13)     | 10       |
|                       | 22           | AK950/22 | 37.722   | 110.00 (4.33)     | 10       |
|                       | 23           | AK950/23 | 37.723   | 115.00 (4.53)     | 10       |
|                       | 24           | AK950/24 | 37.724   | 120.00 (4.72)     | 10       |

| mm   | in.   | Dimensions | mm    | in.   |
|------|-------|------------|-------|-------|
| 2.70 | 0.106 |            | 9.00  | 0.354 |
| 3.10 | 0.122 |            | 15.00 | 0.591 |
| 5.00 | 0.197 |            | 17.30 | 0.681 |



<sup>b</sup>For Keying, refer to Accessories on page 150.

## STANDARD PLUGGABLE PRINTED CIRCUIT Metric Pin Spacing<sup>a</sup> Screw-Cage Clamp Plug

For standard industrial plug-in applications where multiple wire-to-board connections must be made quickly and simultaneously.

Two wire entry options increase plug accessibility. The shape of the plug facilitates plug-in and removal.

Horizontal and Vertical Headers are available in open and closed end designs. Refer to pages 148 to 149.

- Multipole, Single Mold Construction
- Industry Standard Compatible
- Locking Tab Prevents Unplugging
- Optional Keying Prevents Misplugging<sup>b</sup>
- Housing Material: Polyamide 6.6
- Standard Color: Green<sup>c</sup>

<sup>a</sup>Blocks with US(inch) spacing begin on page 110.



| Ordering Information  | No. of Poles |
|-----------------------|--------------|
| Plug, mm Pole Spacing |              |
|                       | 2            |
|                       | 3            |
|                       | 4            |
|                       | 5            |
|                       | 6            |
|                       | 7            |
|                       | 8            |
|                       | 9            |
|                       | 10           |
|                       | 11           |
|                       | 12           |
|                       | 13           |
|                       | 14           |
|                       | 15           |
|                       | 16           |
|                       | 17           |
|                       | 18           |
|                       | 19           |
|                       | 20           |

| Dimensions |       |       |       |
|------------|-------|-------|-------|
| mm         | in.   | mm    | in.   |
| 5.00       | 0.197 | 12.50 | 0.492 |
| 8.30       | 0.327 | 26.50 | 1.043 |

<sup>b</sup>For Keying, please refer to Accessories, page 150.  
<sup>c</sup>Gray available, please consult Altech  
<sup>d</sup>Pending



### BU06<sup>e</sup>

Wire Entry Perpendicular to Plug-In  
(On Locking Tab Side)

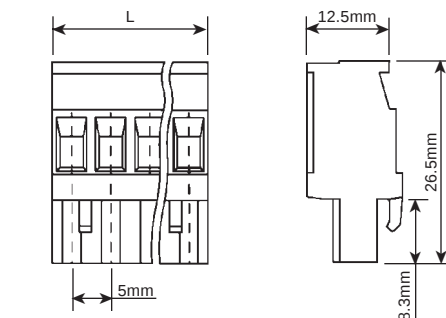
Pole Spacing 5mm (.197)  
 Stripping Length 8mm (.315)  
 Screw Hole Diameter 3.5mm (.138)

Use with STL950, STL955 Headers

| Wire Range             | Current | Voltage |
|------------------------|---------|---------|
| 0.5-2.5mm <sup>2</sup> | 12A     | 250V    |
| 22-10 AWG              | 15A     | 300V    |
| 22-10 AWG              | 15A     | 300V    |

| Type    | Cat. No. | Length L mm (in.) | Std. Pk. |
|---------|----------|-------------------|----------|
| BU06/2  | 36.202   | 10.00 ( .39)      | 100      |
| BU06/3  | 36.203   | 15.00 ( .59)      | 100      |
| BU06/4  | 36.204   | 20.00 ( .79)      | 50       |
| BU06/5  | 36.205   | 25.00 ( .98)      | 50       |
| BU06/6  | 36.206   | 30.00 (1.18)      | 50       |
| BU06/7  | 36.207   | 35.00 (1.38)      | 30       |
| BU06/8  | 36.208   | 40.00 (1.58)      | 30       |
| BU06/9  | 36.209   | 45.00 (1.77)      | 30       |
| BU06/10 | 36.210   | 50.00 (1.97)      | 30       |
| BU06/11 | 36.211   | 55.00 (2.17)      | 20       |
| BU06/12 | 36.212   | 60.00 (2.36)      | 20       |
| BU06/13 | 36.213   | 65.00 (2.56)      | 20       |
| BU06/14 | 36.214   | 70.00 (2.76)      | 20       |
| BU06/15 | 36.215   | 75.00 (2.95)      | 20       |
| BU06/16 | 36.216   | 80.00 (3.15)      | 15       |
| BU06/17 | 36.217   | 85.00 (3.35)      | 15       |
| BU06/18 | 36.218   | 90.00 (3.54)      | 15       |
| BU06/19 | 36.219   | 95.00 (3.74)      | 15       |
| BU06/20 | 36.220   | 100.00 (3.94)     | 15       |



<sup>e</sup>Available late 1995



### BU08<sup>f</sup>

Wire Entry Perpendicular to Plug-In  
(On Scalloped Side)

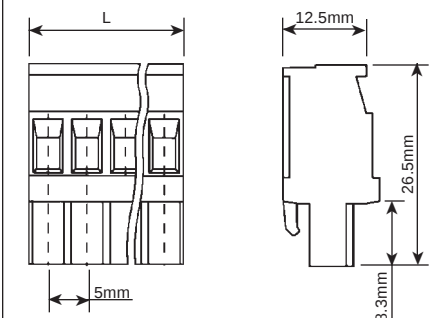
Pole Spacing 5mm (.197)  
 Stripping Length 8mm (.315)  
 Screw Hole Diameter 3.5mm (.138)

Use with STL950, STL955 Headers

| Wire Range             | Current | Voltage |
|------------------------|---------|---------|
| 0.5-2.5mm <sup>2</sup> | 12A     | 250V    |
| 22-10 AWG              | 15A     | 300V    |
| 22-10 AWG              | 15A     | 300V    |

| Type    | Cat. No. | Length L mm (in.) | Std. Pk. |
|---------|----------|-------------------|----------|
| BU08/2  | 36.252   | 10.00 ( .39)      | 100      |
| BU08/3  | 36.253   | 15.00 ( .59)      | 100      |
| BU08/4  | 36.254   | 20.00 ( .79)      | 50       |
| BU08/5  | 36.255   | 25.00 ( .98)      | 50       |
| BU08/6  | 36.256   | 30.00 (1.18)      | 50       |
| BU08/7  | 36.257   | 35.00 (1.38)      | 30       |
| BU08/8  | 36.258   | 40.00 (1.58)      | 30       |
| BU08/9  | 36.259   | 45.00 (1.77)      | 30       |
| BU08/10 | 36.260   | 50.00 (1.97)      | 30       |
| BU08/11 | 36.261   | 55.00 (2.17)      | 20       |
| BU08/12 | 36.262   | 60.00 (2.36)      | 20       |
| BU08/13 | 36.263   | 65.00 (2.56)      | 20       |
| BU08/14 | 36.264   | 70.00 (2.76)      | 20       |
| BU08/15 | 36.265   | 75.00 (2.95)      | 20       |
| BU08/16 | 36.266   | 80.00 (3.15)      | 15       |
| BU08/17 | 36.267   | 85.00 (3.35)      | 15       |
| BU08/18 | 36.268   | 90.00 (3.54)      | 15       |
| BU08/19 | 36.269   | 95.00 (3.74)      | 15       |
| BU08/20 | 36.270   | 100.00 (3.94)     | 15       |



<sup>f</sup>Available late 1995

# **PLUGGABLE PRINTED CIRCUIT** **Metric Pin Spacing<sup>a</sup>** **Headers**

Horizontal or vertical headers offer different wire entry options and enhance plug accessibility. Closed end headers prevent misplugging.

- Multipole, Single Mold Construction
- Industry Standard Compatible
- Horizontal and Vertical
- Open and Closed Ends
- Housing Material: Polyamide 6.6
- Standard Color: Green

<sup>a</sup>Blocks with US (Inch) pin spacing begin on page 110.

## **Ratings**

IEC/VDE

 (File No. E101811)

 (File No. LR68503)

## **Ordering Information**

Header, mm Pin Spacing

No. of  
Poles

Type

Cat. No.

Length L  
mm (in.)

Std. Pk.

Type

Cat. No.

Length L  
mm (in.)

Std. Pk.

8

STL950/8-w

37.558

41.20 (1.62)

30

9

STL950/9-w

37.559

46.20 (1.82)

30

10

STL950/10-w

37.560

51.20 (2.02)

30

11

STL950/11-w

37.561

56.20 (2.21)

20

12

STL950/12-w

37.562

61.20 (2.41)

20

13

STL950/13-w

37.563

66.20 (2.61)

20

14

STL950/14-w

37.564

71.20 (2.80)

20

15

STL950/15-w

37.565

76.20 (3.00)

20

16

STL950/16-w

37.566

81.20 (3.20)

15

17

STL950/17-w

37.567

86.20 (3.39)

15

18

STL950/18-w

37.568

91.20 (3.59)

15

19

STL950/19-w

37.569

96.20 (3.79)

15

20

STL950/20-w

37.570

101.20 (3.98)

15

21

STL950/21-w

37.571

106.20 (4.18)

10

22

STL950/22-w

37.572

111.20 (4.38)

10

23

STL950/23-w

37.573

116.20 (4.57)

10

24

STL950/24-w

37.574

121.20 (4.77)

10

Current  
12A  
15A  
15A

Voltage  
250V  
300V  
300V

Type

Cat. No.

Length L  
mm (in.)

Std. Pk.

STL950/2-o

37.352

9.80 ( .39)

100

STL950/3-o

37.353

14.80 ( .58)

100

STL950/4-o

37.354

19.80 ( .78)

50

STL950/5-o

37.355

24.80 ( .98)

50

STL950/6-o

37.356

29.80 (1.17)

50

STL950/7-o

37.357

34.80 (1.37)

30

STL950/8-o

37.358

39.80 (1.57)

30

STL950/9-o

37.359

44.80 (1.76)

30

STL950/10-o

37.360

49.80 (1.96)

30

STL950/11-o

37.361

54.80 (2.16)

20

STL950/12-o

37.362

59.80 (2.35)

20

STL950/13-o

37.363

64.80 (2.55)

20

STL950/14-o

37.364

69.80 (2.75)

20

STL950/15-o

37.365

74.80 (2.95)

20

STL950/16-o

37.366

79.80 (3.14)

15

STL950/17-o

37.367

84.80 (3.34)

15

STL950/18-o

37.368

89.80 (3.54)

15

STL950/19-o

37.369

94.80 (3.73)

15

STL950/20-o

37.370

99.80 (3.93)

15

STL950/21-o

37.371

104.80 (4.13)

10

STL950/22-o

37.372

109.80 (4.32)

10

STL950/23-o

37.373

114.80 (4.52)

10

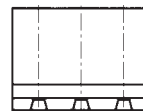
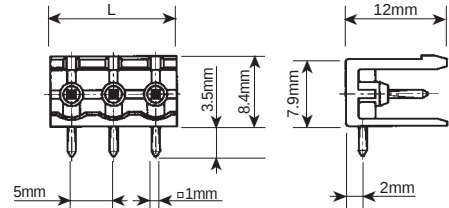
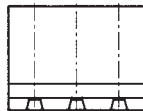
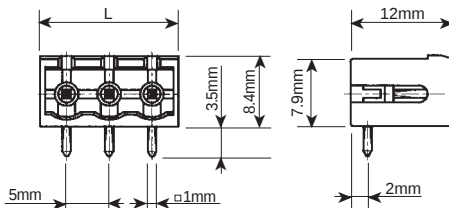
STL950/24-o

37.374

119.80 (4.72)

10

| Dimensions |       |       |       |
|------------|-------|-------|-------|
| mm         | in.   | mm    | in.   |
| 1.00       | 0.390 | 5.00  | 0.197 |
| 2.00       | 0.079 | 7.90  | 0.311 |
| 3.50       | 0.138 | 8.40  | 0.331 |
| 3.80       | 0.150 | 12.00 | 0.472 |
| 3.90       | 0.154 |       |       |





**STL955-W**  
Vertical - Closed Ends

Pin Spacing 5mm (.197)

Use with AK950, BU06, BU08 Plugs

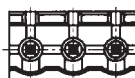
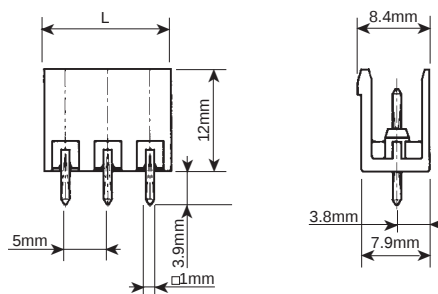
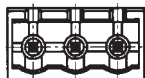
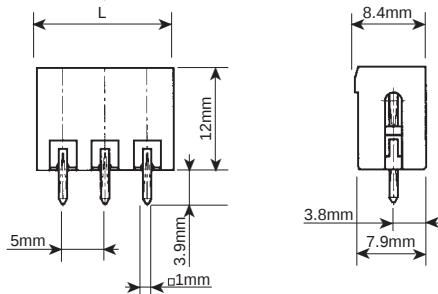


**STL955-O**  
Vertical - Open Ends

Pin Spacing 5mm (.197)

Use with AK950, BU06, BU08 Plugs

|             |          | Current              | Voltage  |             |          | Current              | Voltage  |
|-------------|----------|----------------------|----------|-------------|----------|----------------------|----------|
|             |          | 12A                  | 250V     |             |          | 12A                  | 250V     |
|             |          | 15A                  | 300V     |             |          | 15A                  | 300V     |
|             |          | 15A                  | 300V     |             |          | 15A                  | 300V     |
| Type        | Cat. No. | Length L<br>mm (in.) | Std. Pk. | Type        | Cat. No. | Length L<br>mm (in.) | Std. Pk. |
| STL955/2-w  | 37.602   | 11.20 ( .44)         | 100      | STL955/2-o  | 37.402   | 9.80 ( .39)          | 100      |
| STL955/3-w  | 37.603   | 16.20 ( .64)         | 100      | STL955/3-o  | 37.403   | 14.80 ( .58)         | 100      |
| STL955/4-w  | 37.604   | 21.20 ( .84)         | 50       | STL955/4-o  | 37.404   | 19.80 ( .78)         | 50       |
| STL955/5-w  | 37.605   | 26.20 (1.03)         | 50       | STL955/5-o  | 37.405   | 24.80 ( .98)         | 50       |
| STL955/6-w  | 37.606   | 31.20 (1.23)         | 50       | STL955/6-o  | 37.406   | 29.80 (1.17)         | 50       |
| STL955/7-w  | 37.607   | 36.20 (1.43)         | 30       | STL955/7-o  | 37.407   | 34.80 (1.37)         | 30       |
| STL955/8-w  | 37.608   | 41.20 (1.62)         | 30       | STL955/8-o  | 37.408   | 39.80 (1.57)         | 30       |
| STL955/9-w  | 37.609   | 46.20 (1.82)         | 30       | STL955/9-o  | 37.409   | 44.80 (1.76)         | 30       |
| STL955/10-w | 37.610   | 51.20 (2.02)         | 30       | STL955/10-o | 37.410   | 49.80 (1.96)         | 30       |
| STL955/11-w | 37.611   | 56.20 (2.21)         | 20       | STL955/11-o | 37.411   | 54.80 (2.16)         | 20       |
| STL955/12-w | 37.612   | 61.20 (2.41)         | 20       | STL955/12-o | 37.412   | 59.80 (2.35)         | 20       |
| STL955/13-w | 37.613   | 66.20 (2.61)         | 20       | STL955/13-o | 37.413   | 64.80 (2.55)         | 20       |
| STL955/14-w | 37.614   | 71.20 (2.80)         | 20       | STL955/14-o | 37.414   | 69.80 (2.75)         | 20       |
| STL955/15-w | 37.615   | 76.20 (3.00)         | 20       | STL955/15-o | 37.415   | 74.80 (2.95)         | 20       |
| STL955/16-w | 37.616   | 81.20 (3.20)         | 15       | STL955/16-o | 37.416   | 79.80 (3.14)         | 15       |
| STL955/17-w | 37.617   | 86.20 (3.39)         | 15       | STL955/17-o | 37.417   | 84.80 (3.34)         | 15       |
| STL955/18-w | 37.618   | 91.20 (3.59)         | 15       | STL955/18-o | 37.418   | 89.80 (3.54)         | 15       |
| STL955/19-w | 37.619   | 96.20 (3.79)         | 15       | STL955/19-o | 37.419   | 94.80 (3.73)         | 15       |
| STL955/20-w | 37.620   | 101.20 (3.98)        | 15       | STL955/20-o | 37.420   | 99.80 (3.93)         | 15       |
| STL955/21-w | 37.621   | 106.20 (4.18)        | 10       | STL955/21-o | 37.421   | 104.80 (4.13)        | 10       |
| STL955/22-w | 37.622   | 111.20 (4.38)        | 10       | STL955/22-o | 37.422   | 109.80 (4.32)        | 10       |
| STL955/23-w | 37.623   | 116.20 (4.57)        | 10       | STL955/23-o | 37.423   | 114.80 (4.52)        | 10       |
| STL955/24-w | 37.624   | 121.20 (4.77)        | 10       | STL955/24-o | 37.424   | 119.80 (4.72)        | 10       |



# PRINTED CIRCUIT ACCESSORIES

Convenient options that facilitate wire termination and increase wiring efficiency.

## KEYING INSERTS

Use KI Keying Inserts to prevent misplugging of screw-cage clamp plugs in adjoining headers without loss of position. Incorrect plug installation can cause serious electrical damage to sensitive electronic circuits.

Type KI-AK Keying Insert is a precision molded profile that installs into parallel slots provided on the plug housing. Type KI-STL is a similar insert that installs into slots molded into the header housing.

When two of these inserts are located in corresponding slots on both the plug and header, the pair cannot be joined because the inserts interfere with one another. If the inserts are installed into separate slots on the plug and header, the pair will engage as usual.

Keying Inserts install quickly and easily and are held securely in place by a friction fit. You devise the pattern and select the quantity of inserts required for your application.

Packaged for convenient handling KI-AK and KI-STL Inserts are supplied on wheels of 6 inserts.

Factory keyed plugs and headers are available, please consult Altech with your keying requirements. Color: Red. Molding Material: Polyamide 6.6.

## MARKING LABELS

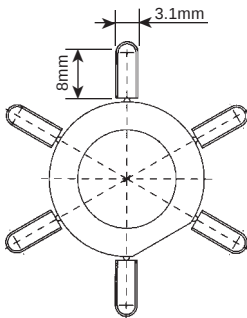
Use KSO preprinted pressure sensitive labels for printed circuit board applications where changing requirements make it impractical to order and inventory hot stamp imprinted terminal blocks. Preprinted labels are quick and easy to apply to all Fixed and Pluggable Printed Circuit Terminal Blocks. Simply cut to required length and peel strip from card. Apply the strip to the terminal block by exerting finger pressure.

Marking cards contain 25 strips and are available in several standard number combinations. Select from consecutive ascending numbers 1 - 12, 13 - 24; consecutive descending numbers 12 - 1; and blank for hand marking. Custom Marking Labels with special character imprints are also available upon request. Imprint is black on white labels. Material: White PVC.

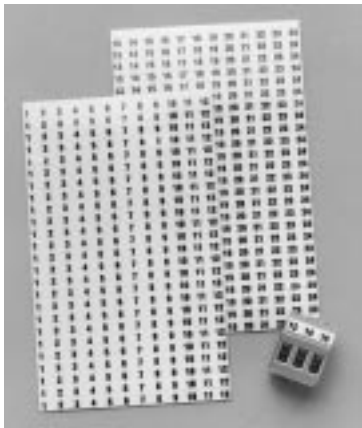
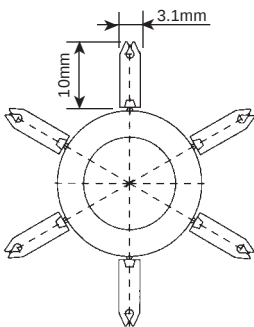


### KI KEYING INSERTS

| Type  | Cat. No. | Std. Pk. Wheels/ Inserts | Use With Types                                             |
|-------|----------|--------------------------|------------------------------------------------------------|
| KI-AK | 37.903   | 50/300                   | AK950<br>AKZ950<br>AKZ1200<br>BU06<br>BU08<br>BU02<br>BU04 |



|        |        |        |                                                   |
|--------|--------|--------|---------------------------------------------------|
| KI-STL | 37.904 | 50/300 | STL950<br>STL955<br>STLZ950<br>STLZ955<br>STLZ990 |
|--------|--------|--------|---------------------------------------------------|



### KSO MARKING LABELS

| Character Imprint | Type    | Cat. No. | Std. Pk. Cards/ Strips |
|-------------------|---------|----------|------------------------|
| 1 - 12            | KSO112  | 30.096   | 5/125                  |
| 13 - 24           | KSO1324 | 30.097   | 5/125                  |
| 12 - 1            | KSO121  | 30.098   | 5/125                  |
| Blank             | KSO00   | 30.099   | 5/125                  |

## PRINTED CIRCUIT ACCESSORIES

### HOT STAMP IMPRINTING

For high volume requirements or when it is impractical to apply PSA Marking Labels, use Hot Stamp Imprinting to provide positive circuit identification for Fixed and Pluggable Printed Circuit Terminal Blocks. Properly identified circuits increase wiring efficiency, save installation time and make wire hook-up, system modifications and trouble shooting quick and easy.

Hot Stamp Imprinting provides a permanent marking which will not rub, wear or wash off even when solvents are present.

Standard or custom imprint sequences are available for 2 to 24 pole positions. Imprints are centered above the wire entry.

#### Standard Imprint

- Character Style - DAVID
- Character Size: 8 Pt., 2.4mm (3/32 in.) high
- Standard Imprint Color: Black on Green Housing; White on Gray Housing
- Optional Imprint Color: White on Green Housing

#### Imprint Ordering

Standard Imprints can be specified and ordered by adding the required suffix after the Cat. No. and Type designation. Simply select the appropriate Ordering Suffix for the required Imprint Sequence.

Hot Stamp Imprints up to 12 poles are standard for US (inch) and metric (mm) spacings. For pricing purposes, they are considered to be one assembly.

Imprints with 13-24 poles are considered to be (2) assemblies. For pricing purposes, they are considered to be two assemblies.

Consult Altech for Hot Stamp Imprinting pricing, minimum order quantities and applicable lot charges.

#### Custom Imprints

Special number sequences and character combinations including letters, symbols and numbers are available. To order special sequences or combinations send us your imprint schedule. For die charges and minimum order quantities for your custom imprints, please consult Altech.



### STANDARD IMPRINT

| Ordering Suffix | Imprint Sequence                    | Imprint Description                                | Illustration |
|-----------------|-------------------------------------|----------------------------------------------------|--------------|
| i A             | (1, 2, 3, 4, ...)                   | Consecutive, Ascending, Left to Right              |              |
| i B             | (... 4, 3, 2, 1)                    | Consecutive, Descending Left to Right              |              |
| i C             | (... '4 '3 '2 '1) (1, 2, 3, 4, ...) | Upside Down, Consecutive Descending, Left to Right |              |
| i D             | (1, 2, 3, 4, ...) ('4 '3 '2 '1)     | Upside Down, Consecutive Ascending, Left to Right  |              |

#### Standard Imprint Example:

13 pole, Type AKZ350 Printed Circuit Terminal Block to be imprinted upside down with descending, consecutive numbers reading left to right should be ordered as below:

| Type        | Cat. No. |
|-------------|----------|
| AKZ350/13iC | 32.063iC |

