

**BL/SL 3.50 series**  
**BL 3.50/12/90 SN BK BX****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

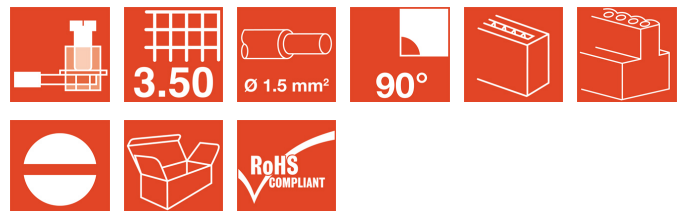
D-32758 Detmold

Germany

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Fax: +49 5231 14-2083

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Female connectors with clamping yoke screw system for connecting conductors at 3.50 mm pitch. They include space for labelling and can be coded.

- 0.20 - 1.5 mm<sup>2</sup> (IEC) / 28 - 14 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

**General ordering data**

|              |                                                                                                                                                                 |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.    | <a href="#">1638880000</a>                                                                                                                                      |
| Type         | BL 3.50/12/90 SN BK BX                                                                                                                                          |
| Version      | PCB plug-in connector, female plug, 3.50 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box |
| Product data | IEC: 320 V / 12 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 8 A / AWG 28 - AWG 14                                                                              |
| GTIN (EAN)   | 4008190276423                                                                                                                                                   |
| Qty.         | 50 pc(s).                                                                                                                                                       |
| Packaging    | Box                                                                                                                                                             |

Creation date March 13, 2012 1:12:34 PM CET

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**Technical data**
**System parameters**

|                                              |                        |                                                  |                          |
|----------------------------------------------|------------------------|--------------------------------------------------|--------------------------|
| Product family                               | BL/SL 3.50 series      | Conductor connection system                      | Clamping yoke connection |
| Outgoing direction of conductor              | 90°                    | Pitch in mm (P)                                  | 3.5 mm                   |
| Pitch in inches (P)                          | 0.138 inch             | No. of poles                                     | 12                       |
| Number of rows                               | 1                      | Screwdriver blade                                | 0.4 x 2.5                |
| Screwdriver blade standard                   | DIN 5264               | Tightening torque, min.                          | 0.2 Nm                   |
| Tightening torque, max.                      | 0.25 Nm                | Clamping screw                                   | M 2                      |
| Stripping length                             | 6 mm                   | L1 in mm                                         | 38.5 mm                  |
| L1 in inches                                 | 1.516 inch             | Touch-safe protection acc. to DIN VDE 0470 IP 20 |                          |
| Touch-safe protection acc. to DIN VDE 57 106 | Safe from finger touch |                                                  |                          |

**Material data**

|                                  |                     |                                  |              |
|----------------------------------|---------------------|----------------------------------|--------------|
| Insulating material              | PBT                 | Colour                           | Black        |
| Colour chart                     | Similar to RAL 9011 | Flammability class UL 94         | V-0          |
| CTI                              | ≥ 200               | Contact material                 | Copper alloy |
| Contact surface                  | tinned              | Continuous operating temp., min. | -25 °C       |
| Continuous operating temp., max. | 100 °C              |                                  |              |

**Connectable conductors**

|                                                 |                      |                                                 |                     |
|-------------------------------------------------|----------------------|-------------------------------------------------|---------------------|
| Clamping range, rated connection, min.          | 0.08 mm <sup>2</sup> | Clamping range, rated connection, max.          | 1.5 mm <sup>2</sup> |
| Wire connection cross section AWG, min.         | AWG 14               | Wire connection cross section AWG, max.         | AWG 28              |
| Solid, min. H05(07) V-U                         | 0.2 mm <sup>2</sup>  | Solid, max. H05(07) V-U                         | 1.5 mm <sup>2</sup> |
| Flexible, min. H05(07) V-K                      | 0.2 mm <sup>2</sup>  | Flexible, max. H05(07) V-K                      | 1.5 mm <sup>2</sup> |
| w. wire end ferrule, DIN 46228 pt 1, min.       | 0.2 mm <sup>2</sup>  | w. wire end ferrule, DIN 46228 pt 1, max.       | 1.5 mm <sup>2</sup> |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.2 mm <sup>2</sup>  | w. plastic collar ferrule, DIN 46228 pt 4, max. | 1.5 mm <sup>2</sup> |
| Plug gauge acc. to EN 60999 a x b; ø            | 2.4 mm x 1.5 mm      |                                                 |                     |

**DIN IEC rating data**

|                                                                       |                   |                                                                           |        |
|-----------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------|--------|
| Rated current, min. no. of poles (Tu=20°C)                            | 12 A              | Rated current, max. no. of poles (Tu=20°C)                                | 10 A   |
| Rated current, number of poles (Tu=40°C), min.                        | 10 A              | Rated current, number of poles (Tu=40°C), max.                            | 8 A    |
| Rated voltage for surge voltage class / pollution degree II/2         | 320 V             | Rated voltage for surge voltage class / pollution degree III/2            | 160 V  |
| Rated voltage for surge voltage class / pollution degree III/3        | 160 V             | Rated impulse voltage for surge voltage class/ pollution degree II/2      | 2.5 kV |
| Rated impulse voltage for surge voltage class/ pollution degree III/2 | 2.5 kV            | Rated impulse voltage for surge voltage class/ contamination degree III/3 | 2.5 kV |
| Short-time withstand current resistance                               | 3 x 1s with 100 A |                                                                           |        |

**CSA rating data**

|                               |                                                                                     |                               |        |
|-------------------------------|-------------------------------------------------------------------------------------|-------------------------------|--------|
| Institute (CSA)               |  | Rated voltage (Use group B)   | 300 V  |
| Rated current (use group B)   | 10 A                                                                                | Rated voltage (use group D)   | 300 V  |
| Rated current (use group D)   | 10 A                                                                                | Wire cross-section, AWG, min. | AWG 28 |
| Wire cross-section, AWG, max. | AWG 14                                                                              |                               |        |

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**Technical data**
**UL 1059 rating data**

|                               |        |                               |        |
|-------------------------------|--------|-------------------------------|--------|
| Rated voltage (use group B)   | 300 V  | Rated current (use group B)   | 8 A    |
| Rated voltage (use group D)   | 300 V  | Rated current (use group D)   | 8 A    |
| Wire cross-section, AWG, min. | AWG 28 | Wire cross-section, AWG, max. | AWG 14 |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC001284    | ETIM 4.0   | EC002637    |
| UNSPSC     | 30-21-18-10 | eClass 4.1 | 27-26-07-01 |
| eClass 5.1 | 27-26-07-04 | eClass 6.0 | 27-26-07-04 |
| eClass 7.0 | 27-44-04-02 |            |             |

**Notes**

- Notes
- Additional colours on request
  - Gold-plated contact surfaces on request
  - Rated current related to rated cross-section and min. No. of poles.
  - Max. O.D. of conductor: 2.9 mm
  - Wire end ferrule without plastic collar to DIN 46228/1
  - Wire end ferrule with plastic collar to DIN 46228/4
  - P on drg. = pitch
  - Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

**Approvals**

Approvals



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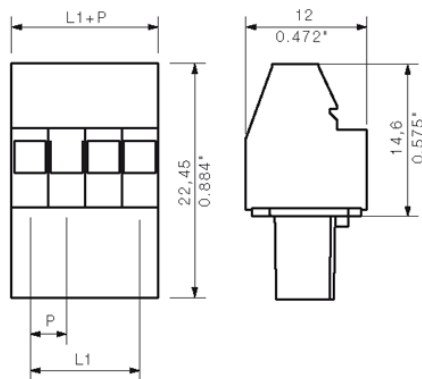
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Germany

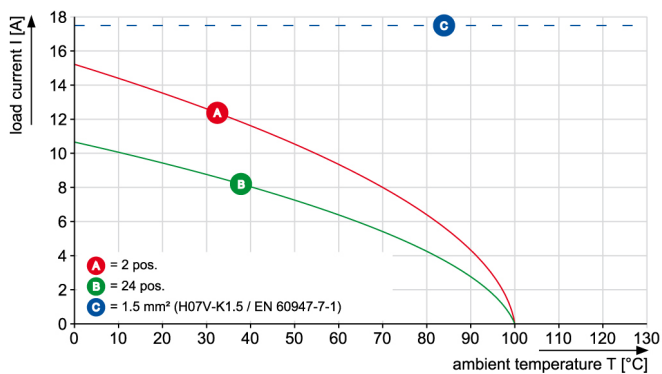
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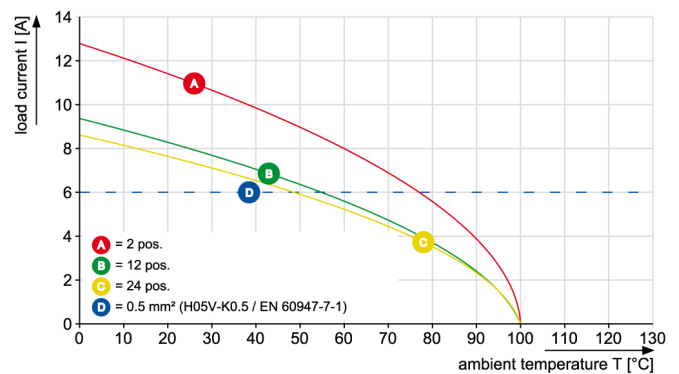
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**Drawings**


BL 3.50/./90 &amp; /270 - SL 3.50/./90

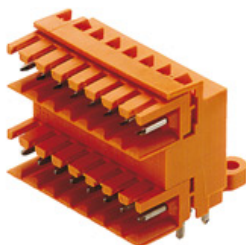


BL 3.50/./90 &amp; /270 - SL 3.50/./90



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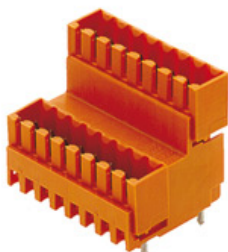
**Mating connector (fully pluggable)**
**SLD 3.5/90**


Two-tier male connector for wave soldering, with 3.50 mm pitch The male connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

**General ordering data**

| Order No.                  | Type                       | Version                                                                                                                                              | Product data                           | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------|-----------|-----------|
| <a href="#">1633450000</a> | SLD 3.50/24/90 3.2SN OR BX | PCB plug-in connector, male header, open side, Solder connection, 3.50 mm, No. of poles: 24, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | IEC: 200 V / 10.5 A<br>UL: 300 V / 8 A | 4008190257903 | 10 pc(s). | Box       |

**SLD 3.5V/180G**


Two-tier offset male connector for wave soldering, with 3.50 mm pitch The male connector is available in closed and flange versions. The male connectors provide space for labelling and can be coded.

- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

**General ordering data**

| Order No.                  | Type                    | Version                                                                                                                                                 | Product data                           | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------|-----------|-----------|
| <a href="#">1641160000</a> | SLD 3.5 V/24/180G 3.2OR | PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 24, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | IEC: 200 V / 10.5 A<br>UL: 300 V / 8 A | 4008190279561 | 10 pc(s). | Box       |

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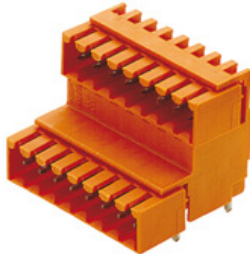
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## Mating connector (fully pluggable)

### SLD 3.5V/90G



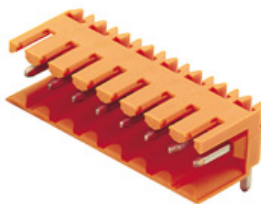
Two-tier offset male connector for wave soldering, with 3.50 mm pitch. The male connector is available in closed and flange versions. The male connectors provide space for labelling and can be coded.

- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

#### General ordering data

| Order No.                  | Type                           | Version                                                                                                                                                | Product data                           | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------|-----------|-----------|
| <a href="#">1642290000</a> | SLD 3.50 V/24/90G 3.2 SN OR BX | PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 24, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | IEC: 200 V / 10.5 A<br>UL: 300 V / 8 A | 4008190280819 | 10 pc(s). | Box       |

### SL 3.5/90



Male connector with 3.50 mm pitch for wave soldering. The male connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

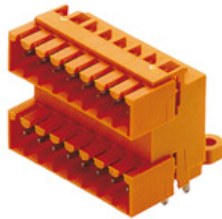
- 250 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

#### General ordering data

| Order No.                  | Type                      | Version                                                                                                                                              | Product data                          | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------|-----------|-----------|
| <a href="#">1597310000</a> | SL 3.50/12/90 3.2SN OR BX | PCB plug-in connector, male header, open side, Solder connection, 3.50 mm, No. of poles: 12, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | IEC: 320 V / 17 A<br>UL: 300 V / 10 A | 4008190018283 | 50 pc(s). | Box       |

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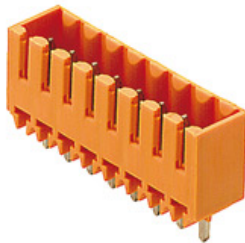
**Mating connector (fully pluggable)**
**SLD 3.5/90G**


Two-tier male connector for wave soldering, with 3.50 mm pitch The male connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

**General ordering data**

| Order No.                  | Type                        | Version                                                                                                                                                | Product data                           | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------|-----------|-----------|
| <a href="#">1633680000</a> | SLD 3.50/24/90G 3.2SN OR BX | PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 24, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | IEC: 200 V / 10.5 A<br>UL: 300 V / 8 A | 4008190258139 | 10 pc(s). | Box       |

**SL 3.5/180G**


Male connector with 3.50 mm pitch for wave soldering The male connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

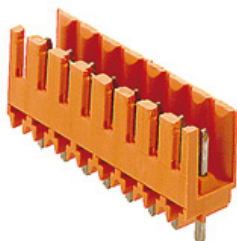
- 250 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

**General ordering data**

| Order No.                  | Type                        | Version                                                                                                                                                 | Product data                          | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------|-----------|-----------|
| <a href="#">1604570000</a> | SL 3.50/12/180G 3.2SN OR BX | PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 12, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | IEC: 320 V / 17 A<br>UL: 300 V / 10 A | 4008190031572 | 50 pc(s). | Box       |

**BL/SL 3.50 series**  
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**Mating connector (fully pluggable)**
**SL 3.5/180**


Male connector with 3.50 mm pitch for wave soldering. The male connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

- 250 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

**General ordering data**

| Order No.                  | Type                       | Version                                                                                                                                               | Product data                          | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------|-----------|-----------|
| <a href="#">1604870000</a> | SL 3.50/12/180 3.2SN OR BX | PCB plug-in connector, male header, open side, Solder connection, 3.50 mm, No. of poles: 12, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | IEC: 320 V / 17 A<br>UL: 300 V / 10 A | 4008190111427 | 50 pc(s). | Box       |

**SL-SMT 3.5/90G Box**


High-temperature-resistant male connector with 3.50 mm pitch for all customary soldering methods. Optimised for automatic assembly. Packed in box or tape. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors have space for labelling and can be coded.

- 250 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

**General ordering data**

| Order No.                  | Type                           | Version                                                                                                                                                      | Product data                          | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------|-----------|-----------|
| <a href="#">1841730000</a> | SL-SMT 3.50/12/90G 3.2SN BK BX | PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 12, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box | IEC: 320 V / 15 A<br>UL: 300 V / 10 A | 4032248353088 | 50 pc(s). | Box       |
| <a href="#">1761642001</a> | SL-SMT 3.50/12/90G 1.5SN BK BX | PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 12, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box | IEC: 320 V / 15 A<br>UL: 300 V / 10 A | 4032248132232 | 50 pc(s). | Box       |



## BL/SL 3.50 series

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## Mating connector (fully pluggable)

### SL-THR 3.5/135F



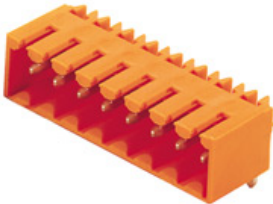
High-temperature-resistant male connector with 3.50 mm pitch for all customary soldering methods. Optimised for automatic assembly. Packed in box or tape. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors have space for labelling and can be coded.

- 250 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

### General ordering data

| Order No.                  | Type                            | Version                                                                                                                                           | Product data                          | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------|-----------|-----------|
| <a href="#">1003620000</a> | SL-SMT 3.50/12/135F 3.2SN BK BX | PCB plug-in connector, male header, Flange, Reflow solder connection, 3.50 mm, No. of poles: 12, 135°, Solder pin length (l): 3.2 mm, tinned, Box | IEC: 320 V / 15 A<br>UL: 300 V / 10 A | 4032248700240 | 50 pc(s). | Box       |

### SL 3.5/90G



Male connector with 3.50 mm pitch for wave soldering The male connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

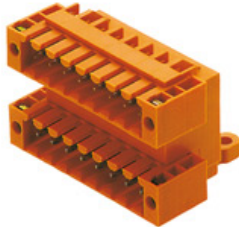
- 250 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

### General ordering data

| Order No.                  | Type                       | Version                                                                                                                                                | Product data                          | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------|-----------|-----------|
| <a href="#">1605170000</a> | SL 3.50/12/90G 3.2SN OR BX | PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 12, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | IEC: 320 V / 17 A<br>UL: 300 V / 10 A | 4008190096342 | 50 pc(s). | Box       |

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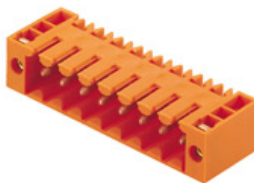
**Mating connector (conditionally pluggable)**
**SLD 3.5/90F**


Two-tier male connector for wave soldering, with 3.50 mm pitch The male connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

**General ordering data**

| Order No.                  | Type                        | Version                                                                                                                                                          | Product data                           | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------|-----------|-----------|
| <a href="#">1633910000</a> | SLD 3.50/24/90F 3.2SN OR BX | PCB plug-in connector,<br>male header, Flange, Solder<br>connection, 3.50 mm, No.<br>of poles: 24, 90°, Solder pin<br>length (l): 3.2 mm, tinned,<br>Orange, Box | IEC: 200 V / 10.5 A<br>UL: 300 V / 8 A | 4008190258368 | 10 pc(s). | Box       |

**SL 3.5/90F**


Male connector with 3.50 mm pitch for wave soldering The male connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

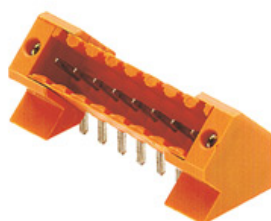
- 250 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

**General ordering data**

| Order No.                  | Type                       | Version                                                                                                                                                          | Product data                          | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------|-----------|-----------|
| <a href="#">1607140000</a> | SL 3.50/12/90F 3.2SN OR BX | PCB plug-in connector,<br>male header, Flange, Solder<br>connection, 3.50 mm, No.<br>of poles: 12, 90°, Solder pin<br>length (l): 3.2 mm, tinned,<br>Orange, Box | IEC: 320 V / 17 A<br>UL: 300 V / 10 A | 4008190092375 | 50 pc(s). | Box       |

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| Order No.                  | Type                        | Version                                                                                                                                                           | Product data                          | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------|-----------|-----------|
| <a href="#">1643430000</a> | SL 3.50/12/135F 3.2SN OR BX | PCB plug-in connector,<br>male header, Flange, Solder<br>connection, 3.50 mm, No. of<br>poles: 12, 135°, Solder pin<br>length (l): 3.2 mm, tinned,<br>Orange, Box | IEC: 320 V / 15 A<br>UL: 300 V / 10 A | 4008190282196 | 50 pc(s). | Box       |

**SLD 3.5V/90F**


Two-tier offset male connector for wave soldering, with 3.50 mm pitch The male connector is available in closed and flange versions. The male connectors provide space for labelling and can be coded.

- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

**General ordering data**

| Order No.                  | Type                           | Version                                                                                                                                                          | Product data                           | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------|-----------|-----------|
| <a href="#">1642420000</a> | SLD 3.50 V/24/90F 3.2 SN OR BX | PCB plug-in connector,<br>male header, Flange, Solder<br>connection, 3.50 mm, No.<br>of poles: 24, 90°, Solder pin<br>length (l): 3.2 mm, tinned,<br>Orange, Box | IEC: 200 V / 10.5 A<br>UL: 300 V / 8 A | 4008190280949 | 10 pc(s). | Box       |

## BL/SL 3.50 series BL 3.50/12/90 SN BK BX

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-2083  
www.weidmueller.com

### Mating connector (conditionally pluggable)

#### SL-SMT 3.5/180F Box



High-temperature-resistant male connector with 3.50 mm pitch for all customary soldering methods. Optimised for automatic assembly. Packed in box or tape. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors have space for labelling and can be coded.

- 250 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

#### General ordering data

| Order No.                  | Type                            | Version                                                                                                                                           | Product data                          | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------|-----------|-----------|
| <a href="#">1842870000</a> | SL-SMT 3.50/12/180F 3.2SN BK BX | PCB plug-in connector, male header, Flange, Reflow solder connection, 3.50 mm, No. of poles: 12, 180°, Solder pin length (l): 3.2 mm, tinned, Box | IEC: 320 V / 15 A<br>UL: 300 V / 10 A | 4032248354337 | 50 pc(s). | Box       |

#### SL-SMT 3.5/90F Box



High-temperature-resistant male connector with 3.50 mm pitch for all customary soldering methods. Optimised for automatic assembly. Packed in box or tape. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors have space for labelling and can be coded.

- 250 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

#### General ordering data

| Order No.                  | Type                           | Version                                                                                                                                          | Product data                          | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------|-----------|-----------|
| <a href="#">1842180000</a> | SL-SMT 3.50/12/90F 3.2SN BK BX | PCB plug-in connector, male header, Flange, Reflow solder connection, 3.50 mm, No. of poles: 12, 90°, Solder pin length (l): 3.2 mm, tinned, Box | IEC: 320 V / 15 A<br>UL: 300 V / 10 A | 4032248353538 | 50 pc(s). | Box       |

**BL/SL 3.50 series**  
**BL 3.50/12/90 SN BK BX**

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**Mating connector (conditionally pluggable)**
**SL-SMT 3.5/90LF Box**


High-temperature-resistant male connector with 3.50 mm pitch for all customary soldering methods. Optimised for automatic assembly. Packed in box or tape. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors have space for labelling and can be coded.

- 250 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

**General ordering data**

| Order No.                  | Type                            | Version                                                                                                                                                 | Product data                          | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------|-----------|-----------|
| <a href="#">1805040000</a> | SL-SMT 3.50/12/90LF 1.5SN BK BX | PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 12, 90°, Solder pin length (l): 1.5 mm, tinned, Box | IEC: 320 V / 15 A<br>UL: 300 V / 10 A | 4032248268948 | 50 pc(s). | Box       |
| <a href="#">1804340000</a> | SL-SMT 3.50/12/90LF 3.2SN BK BX | PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 12, 90°, Solder pin length (l): 3.2 mm, tinned, Box | IEC: 320 V / 15 A<br>UL: 300 V / 10 A | 4032248288533 | 50 pc(s). | Box       |

**SL-SMT 3.5/180G Box**


High-temperature-resistant male connector with 3.50 mm pitch for all customary soldering methods. Optimised for automatic assembly. Packed in box or tape. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors have space for labelling and can be coded.

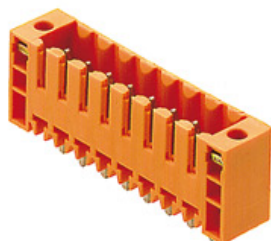
- 250 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

**General ordering data**

| Order No.                  | Type                            | Version                                                                                                                                                       | Product data                          | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------|-----------|-----------|
| <a href="#">1753082001</a> | SL-SMT 3.50/12/180G 1.5SN BK BX | PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 12, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box | IEC: 320 V / 15 A<br>UL: 300 V / 10 A | 4032248130986 | 50 pc(s). | Box       |
| <a href="#">1842410000</a> | SL-SMT 3.50/12/180G 3.2SN BK BX | PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 12, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box | IEC: 320 V / 15 A<br>UL: 300 V / 10 A | 4032248353767 | 50 pc(s). | Box       |

**BL/SL 3.50 series**  
**BL 3.50/12/90 SN BK BX**

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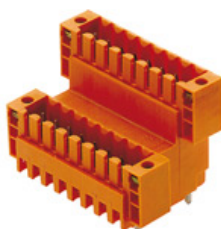
**Mating connector (conditionally pluggable)**
**SL 3.5/180F**


Male connector with 3.50 mm pitch for wave soldering. The male connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

- 250 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

**General ordering data**

| Order No.                  | Type                        | Version                                                                                                                                                           | Product data                          | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------|-----------|-----------|
| <a href="#">1607600000</a> | SL 3.50/12/180F 3.2SN OR BX | PCB plug-in connector,<br>male header, Flange, Solder<br>connection, 3.50 mm, No. of<br>poles: 12, 180°, Solder pin<br>length (l): 3.2 mm, tinned,<br>Orange, Box | IEC: 320 V / 17 A<br>UL: 300 V / 10 A | 4008190164935 | 50 pc(s). | Box       |

**SLD 3.5V/180F**


Two-tier offset male connector for wave soldering, with 3.50 mm pitch. The male connector is available in closed and flange versions. The male connectors provide space for labelling and can be coded.

- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

**General ordering data**

| Order No.                  | Type                            | Version                                                                                                                                                           | Product data                           | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------|-----------|-----------|
| <a href="#">1641290000</a> | SLD 3.50 V/24/180F 3.2 SN OR BX | PCB plug-in connector,<br>male header, Flange, Solder<br>connection, 3.50 mm, No. of<br>poles: 24, 180°, Solder pin<br>length (l): 3.2 mm, tinned,<br>Orange, Box | IEC: 200 V / 10.5 A<br>UL: 300 V / 8 A | 4008190279691 | 10 pc(s). | Box       |

**BL/SL 3.50 series**  
**BL 3.50/12/90 SN BK BX**

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**Mating connector (conditionally pluggable)**
**SL-SMT 3.5/180LF Box**


High-temperature-resistant male connector with 3.50 mm pitch for all customary soldering methods. Optimised for automatic assembly. Packed in box or tape. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors have space for labelling and can be coded.

- 250 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

**General ordering data**

| Order No.                  | Type                             | Version                                                                                                                                                  | Product data                          | GTIN (EAN)    | Qty.      | Packaging |
|----------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------|-----------|-----------|
| <a href="#">1842640000</a> | SL-SMT 3.50/12/180LF 3.2SN BK BX | PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 12, 180°, Solder pin length (l): 3.2 mm, tinned, Box | IEC: 320 V / 15 A<br>UL: 300 V / 10 A | 4032248354009 | 50 pc(s). | Box       |
| <a href="#">1804800000</a> | SL-SMT 3.50/12/180LF 1.5SN BK BX | PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 12, 180°, Solder pin length (l): 1.5 mm, tinned, Box | IEC: 320 V / 15 A<br>UL: 300 V / 10 A | 4032248268580 | 50 pc(s). | Box       |

