

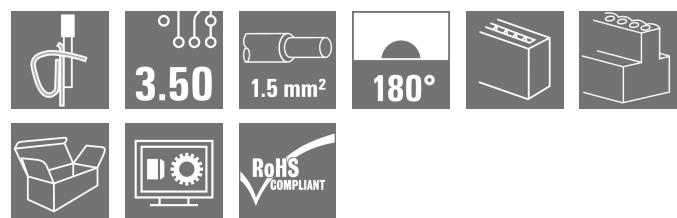
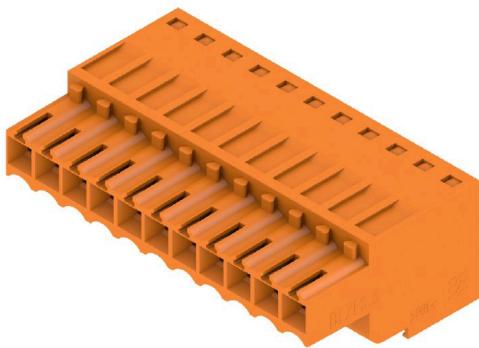
BLZF 3.50/11/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Do not use product for
new developments

Product image



Female connectors with tension clamp system for connecting cables in 3.50 pitch. They provide space for labelling and can be coded.

General ordering data

| | |
|---------------------|--|
| Version | PCB plug-in connector, female plug, 3.50 mm, Number of poles: 11, 180°, Tension-clamp connection, Clamping range, max. : 1.5 mm ² , Box |
| Order No. | 1690280000 |
| Type | BLZF 3.50/11/180 SN OR BX |
| GTIN (EAN) | 4008190328771 |
| Qty. | 50 ST |
| Product data | IEC: 320 V / 14.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14 |
| Packaging | Box |
| Delivery status | This article will no longer be available in the future. |
| Available until | 2025-09-30T00:00:00+02:00 |
| Alternative product | BLF 3.50/11/180 SN OR BX |

Creation date 06.07.2025 05:27:11 MEZ

BLZF 3.50/11/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Approvals

Approvals



| | |
|-----------------------|----------------------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (UR) | E60693 |

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 22 mm | Depth (inches) | 0.8661 inch |
| Height | 13 mm | Height (inches) | 0.5118 inch |
| Width | 38.5 mm | Width (inches) | 1.5157 inch |
| Net weight | 10.4 g | | |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

System Parameters

| Product family | OMNIMATE Signal - series BL/SL 3.50 | Type of connection | Field connection |
|--|-------------------------------------|--|------------------------------|
| Wire connection method | Tension-clamp connection | Pitch in mm (P) | 3.50 mm |
| Pitch in inches (P) | 0.138 " | Conductor outlet direction | 180° |
| Number of poles | 11 | L1 in mm | 35.00 mm |
| L1 in inches | 1.378 " | Number of rows | 1 |
| Pin series quantity | 1 | Rated cross-section | 1.5 mm ² |
| Touch-safe protection acc. to DIN VDE 57 106 | Safe from finger touch | Touch-safe protection acc. to DIN VDE 0470 | IP20 plugged/ IP10 unplugged |
| Protection degree | IP20, when fully mounted | Volume resistance | ≤5 mΩ |
| Can be coded | Yes | Stripping length | 10 mm |
| Screwdriver blade | 0.4 x 2.5 | Screwdriver blade standard | DIN 5264-A |
| Plugging cycles | 25 | Plugging force/pole, max. | 7 N |
| Pulling force/pole, max. | 5 N | | |

Material data

| | | | |
|---------------------------------------|----------------------------|---------------------------------------|---------|
| Insulating material | PBT | Colour | orange |
| Colour chart (similar) | RAL 2000 | Insulating material group | IIIa |
| Comparative Tracking Index (CTI) | ≥ 200 | Insulation strength | ≥ 108 Ω |
| Moisture Level (MSL) | | UL 94 flammability rating | V-0 |
| Contact material | Cu-alloy | Contact surface | tinned |
| Layer structure of plug contact | 4...8 µm Sn hot-dip tinned | Storage temperature, min. | -40 °C |
| Storage temperature, max. | 70 °C | Operating temperature, min. | -50 °C |
| Operating temperature, max. | 100 °C | Temperature range, installation, min. | -30 °C |
| Temperature range, installation, max. | 100 °C | | |

Conductors suitable for connection

| | |
|---|----------------------|
| Clamping range, min. | 0.13 mm ² |
| Clamping range, max. | 1.5 mm ² |
| Wire connection cross section AWG, min. | AWG 28 |

BLZF 3.50/11/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Wire connection cross section AWG, AWG 16 max.

Solid, min. H05(07) V-U 0.2 mm²

Solid, max. H05(07) V-U 1.5 mm²

Flexible, min. H05(07) V-K 0.2 mm²

Flexible, max. H05(07) V-K 1.5 mm²

w. plastic collar ferrule, DIN 46228 pt 4, 0.2 mm² min.

w. plastic collar ferrule, DIN 46228 pt 4, 1 mm² max.

w. wire end ferrule, DIN 46228 pt 1, 0.2 mm² min.

w. wire end ferrule, DIN 46228 pt 1, 1.5 mm² max.

Outer diameter of insulation, max. 2.90 mm

Plug gauge in accordance with EN 60999 a x b; ø 2.4 mm x 1.5 mm

Clampable conductor

Cross-section for conductor connection

Type fine-wired

nominal 0.5 mm²

wire end ferrule

Stripping length nominal 12 mm

Recommended wire-end ferrule [H0.5/16 OR](#)

Stripping length nominal 10 mm

Recommended wire-end ferrule [H0.5/10](#)

Cross-section for conductor connection

Type fine-wired

nominal 0.75 mm²

wire end ferrule

Stripping length nominal 12 mm

Recommended wire-end ferrule [H0.75/16 W](#)

Stripping length nominal 10 mm

Recommended wire-end ferrule [H0.75/10](#)

Cross-section for conductor connection

Type fine-wired

nominal 1 mm²

wire end ferrule

Stripping length nominal 12 mm

Recommended wire-end ferrule [H1.0/16D R](#)

Stripping length nominal 10 mm

Recommended wire-end ferrule [H1.0/10](#)

Cross-section for conductor connection

Type fine-wired

nominal 1.5 mm²

wire end ferrule

Stripping length nominal 10 mm

Recommended wire-end ferrule [H1.5/10](#)

Reference text

The outside diameter of the plastic collar should not be larger than the pitch (P), Length of ferrules is to be chosen depending on the product and the rated voltage.

Rated data acc. to IEC

tested acc. to standard

IEC 60664-1, IEC 61984

Rated current, min. number of poles (Tu=20°C) 14.5 A

Rated current, max. number of poles (Tu=20°C) 10 A

Rated current, min. number of poles (Tu=40°C) 12 A

Rated current, max. number of poles (Tu=40°C) 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/2 160 V

BLZF 3.50/11/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Rated impulse voltage for surge voltage 2.5 kV
class/ pollution degree II/2

Rated impulse voltage for surge voltage 2.5 kV
class/ contamination degree III/3

Rated impulse voltage for surge voltage 2.5 kV
class/ pollution degree III/2

Short-time withstand current resistance 3 x 1s with 100 A

Rated data acc. to CSA

| | |
|-----------------------------------|--|
| Institute (CSA) | CSA |
| Rated voltage (Use group B / CSA) | 300 V |
| Rated current (Use group B / CSA) | 10 A |
| Wire cross-section, AWG, min. | AWG 26 |
| Reference to approval values | Specifications are maximum values, details - see approval certificate. |

| | |
|-----------------------------------|----------------|
| Certificate No. (CSA) | 200039-1461395 |
| Rated voltage (Use group D / CSA) | 300 V |
| Rated current (Use group D / CSA) | 10 A |
| Wire cross-section, AWG, max. | AWG 14 |

Rated data acc. to UL 1059

| | |
|---------------------------------------|--|
| Institute (UR) | UR |
| Rated voltage (Use group B / UL 1059) | 300 V |
| Rated current (Use group B / UL 1059) | 10 A |
| Wire cross-section, AWG, min. | AWG 26 |
| Reference to approval values | Specifications are maximum values, details - see approval certificate. |

| | |
|---------------------------------------|--------|
| Certificate No. (UR) | E60693 |
| Rated voltage (Use group D / UL 1059) | 300 V |
| Rated current (Use group D / UL 1059) | 10 A |
| Wire cross-section, AWG, max. | AWG 14 |

Packing

| | |
|-----------|-----------|
| Packaging | Box |
| VPE width | 114.00 mm |

| | |
|------------|-----------|
| VPE length | 144.00 mm |
| VPE height | 67.00 mm |

Type tests

| | | |
|-------------------------------|----------------|--|
| Test: Durability of markings | Standard | DIN EN 61984 section 7.3.2 / 09.02 taking pattern from DIN EN 60068-2-70 / 07.96 |
| | Test | mark of origin, type identification, rated voltage, rated cross-section, pitch, type of material, approval marking SEV, approval marking CSA |
| | Evaluation | available |
| | Test | approval marking UL |
| | Evaluation | on packaging label |
| | Test | durability |
| | Evaluation | passed |
| Test: Clampable cross section | Standard | DIN EN 60999-1 section 7 and 9.1 / 12.00, DIN EN 60947-1 section 8.2.4.5.1 / 12.99 |
| | Conductor type | Type of conductor solid 0.2 mm ² and conductor cross-section |
| | | Type of conductor stranded 0.5 mm ² and conductor cross-section |
| | | Type of conductor solid 1.5 mm ² and conductor cross-section |
| | | Type of conductor stranded 1.5 mm ² and conductor cross-section |
| | | Type of conductor AWG 28/1 and conductor cross-section |

BLZF 3.50/11/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

| | | | |
|---|---|---|------------------------------|
| Test for damage to and accidental loosening of conductors | Conductor type | Type of conductor and conductor cross-section | AWG 28/19 |
| | | Type of conductor and conductor cross-section | AWG 16/1 |
| | | Type of conductor and conductor cross-section | AWG 16/19 |
| | Evaluation | passed | |
| | Standard | DIN EN 60999-1 section 9.4 / 12.00 | |
| | Requirement | 0.2 kg | |
| | Conductor type | Type of conductor and conductor cross-section | solid 0.2 mm ² |
| | | Type of conductor and conductor cross-section | AWG 28/1 |
| | | Type of conductor and conductor cross-section | AWG 28/19 |
| | Evaluation | passed | |
| | Requirement | 0.3 kg | |
| | Conductor type | Type of conductor and conductor cross-section | stranded 0.5 mm ² |
| | | Type of conductor and conductor cross-section | |
| | | Evaluation | passed |
| | Requirement | 0.4 kg | |
| | Conductor type | Type of conductor and conductor cross-section | solid 1.5 mm ² |
| | | Type of conductor and conductor cross-section | stranded 1.5 mm ² |
| | | Type of conductor and conductor cross-section | AWG 16/1 |
| | Type of conductor and conductor cross-section | AWG 16/19 | |
| | Evaluation | passed | |
| | Standard | DIN EN 60999-1 section 9.5 / 12.00 | |
| | Requirement | ≥5 N | |
| Pull-out test | Conductor type | Type of conductor and conductor cross-section | AWG 28/1 |
| | | Type of conductor and conductor cross-section | AWG 28/19 |
| | | Evaluation | passed |
| | Requirement | ≥10 N | |
| | Conductor type | Type of conductor and conductor cross-section | H05V-U0.2 |
| | | Type of conductor and conductor cross-section | |
| | | Evaluation | passed |
| | Requirement | ≥20 N | |
| | Conductor type | Type of conductor and conductor cross-section | H05V-U0.5 |
| | | Type of conductor and conductor cross-section | |
| | | Evaluation | passed |
| | Requirement | ≥40 N | |

BLZF 3.50/11/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

| | | |
|----------------|---|-----------|
| Conductor type | Type of conductor and conductor cross-section | H05V-U1.5 |
| | Type of conductor and conductor cross-section | H05V-K1.5 |
| | Type of conductor and conductor cross-section | AWG 16/1 |
| | Type of conductor and conductor cross-section | AWG 16/19 |
| Evaluation | passed | |

Important note

| | |
|----------------|---|
| IPC conformity | Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request. |
| Notes | <ul style="list-style-type: none"> 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. Gold-plated contact surfaces on request Rated current related to rated cross-section & min. No. of poles. Max. outer diameter of the conductor: 2.9 mm Wire end ferrule without plastic collar to DIN 46228/1 Wire end ferrule with plastic collar to DIN 46228/4 Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended. P on drawing = pitch In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months |

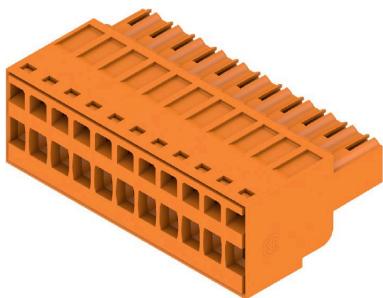
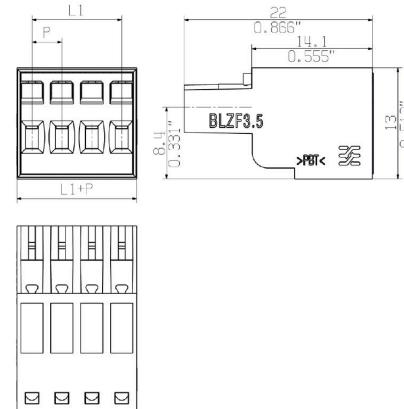
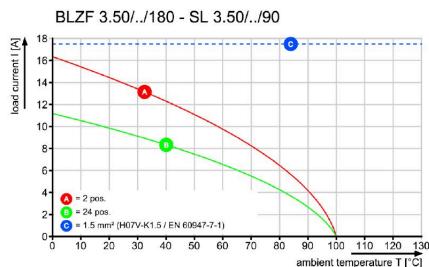
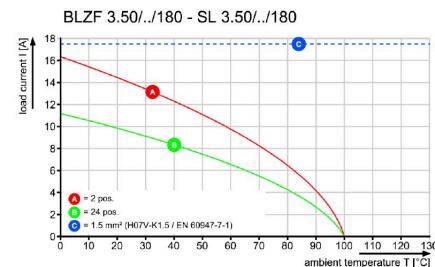
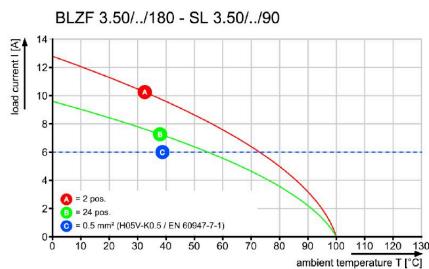
Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002638 | ETIM 7.0 | EC002638 |
| ETIM 8.0 | EC002638 | ETIM 9.0 | EC002638 |
| ETIM 10.0 | EC002638 | ECLASS 9.0 | 27-44-03-09 |
| ECLASS 9.1 | 27-44-03-09 | ECLASS 10.0 | 27-44-03-09 |
| ECLASS 11.0 | 27-46-02-02 | ECLASS 12.0 | 27-46-02-02 |
| ECLASS 13.0 | 27-46-02-02 | ECLASS 14.0 | 27-46-02-02 |
| ECLASS 15.0 | 27-46-02-02 | | |

BLZF 3.50/11/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Drawings**Product image****Dimensional drawing****Graph****Graph****Graph**

BLZF 3.50/11/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Accessories



Strain reliefs

For frequent load changes: the "trailer coupling" for plug-in connectors.

The strain relief can do more than just relieve the strain on conductors:

Simply clip onto the plug and

- bundle conductors

- guide cables

- use as a connection and disconnection aid

No damage to the connecting points, clear, tidy wiring and easy to handle.

User advantages: permanent heavy-duty connections for harsh industrial environments and convenient operation ensure improved system availability.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | BL 3.50 ZE03 BK BX | Version |
| Order No. | 1627820000 | PCB plug-in connector, Accessories, Strain relief, black, Number of |
| GTIN (EAN) | 4008190202552 | poles: 3 |
| Qty. | 50 ST | |
| Type | BL 3.50 ZE08 BK BX | Version |
| Order No. | 1627830000 | PCB plug-in connector, Accessories, Strain relief, black, Number of |
| GTIN (EAN) | 4008190202576 | poles: 8 |
| Qty. | 50 ST | |
| Type | BL 3.50 ZE03 OR BX | Version |
| Order No. | 1629680000 | PCB plug-in connector, Accessories, Strain relief, orange, Number of |
| GTIN (EAN) | 4008190202569 | poles: 3 |
| Qty. | 50 ST | |
| Type | BL 3.50 ZE08 OR BX | Version |
| Order No. | 1629690000 | PCB plug-in connector, Accessories, Strain relief, orange, Number of |
| GTIN (EAN) | 4008190202583 | poles: 8 |
| Qty. | 50 ST | |

Coding elements



Only connects what is supposed to be connected: the right connection at the right place.

Coding elements and locking devices clearly assign connecting elements during the manufacturing process and operation

The coding elements and locking devices are inserted prior to assembly or during the cable assembly phase. The Weidmüller alternative: configure online using the variant configurator to precode prior to delivery.

Incorrect assembly on the circuit board and incorrect plugging of connecting elements is no longer possible. The advantage: no troubleshooting during manufacture and no operational errors by the user.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | BL SL 3.5 KO OR | Version |
| Order No. | 1693430000 | PCB plug-in connector, Accessories, Coding element, orange, Number |
| GTIN (EAN) | 4008190867447 | of poles: 1 |
| Qty. | 100 ST | |

BLZF 3.50/11/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Accessories

| | | |
|------------|----------------------------|---|
| Type | BL SL 3.5 KO SW | Version |
| Order No. | 1610100000 | PCB plug-in connector, Accessories, Coding element, black, Number |
| GTIN (EAN) | 4008190187637 | of poles: 1 |
| Qty. | 100 ST | |

BLZF 3.50/11/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Counterpart

SLD 3.50/90F

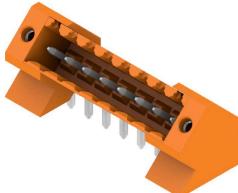


Two-tier pin header for wave soldering in 3.50 mm pitch. The connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in a cardboard box.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | SLD 3.50/22/90F 3.2SN O... | Version |
| Order No. | 1633900000 | PCB plug-in connector, male header, Flange, THT solder connection, |
| GTIN (EAN) | 4008190258351 | 3.50 mm, Number of poles: 22, 90°, Solder pin length (l): 3.2 mm, |
| Qty. | 10 ST | tinned, orange, Box |

SL 3.50/135F



Pin headers for wave soldering in 3.50 mm pitch
 • Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB
 • Housing variant: screw flange (F)
 • Packed in a cardboard box (BX)
 • Pin header can be coded

General ordering data

| | | |
|------------|----------------------------|--|
| Type | SL 3.50/11/135F 3.2SN O... | Version |
| Order No. | 1643420000 | PCB plug-in connector, male header, Flange, THT solder connection, |
| GTIN (EAN) | 4008190282189 | 3.50 mm, Number of poles: 11, 135°, Solder pin length (l): 3.2 mm, |
| Qty. | 36 ST | tinned, orange, Box |

SLD 3.50V/90F



Double-level, staggered pin header for wave soldering at 3.50 mm pitch. They are available in closed and flanged versions. The male connectors provide space for labelling and can be coded.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | SLD 3.50V/22/90F 3.2SN ... | Version |
| Order No. | 1669660000 | PCB plug-in connector, male header, Flange, THT solder connection, |
| GTIN (EAN) | 4008190429249 | 3.50 mm, Number of poles: 22, 90°, Solder pin length (l): 3.2 mm, |
| Qty. | 10 ST | tinned, orange, Box |

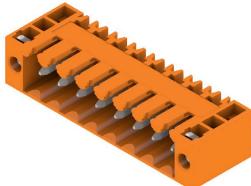
BLZF 3.50/11/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

Counterpart

www.weidmueller.com

SL 3.50/90F



Pin headers for wave soldering in 3.50 mm pitch

- Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB
- Housing variant: screw flange (F)
- Packed in a cardboard box (BX)
- Pin header can be coded

General ordering data

| | | |
|------------|----------------------------|--|
| Type | SL 3.50/11/90F 3.2SN BK... | Version |
| Order No. | 1693990000 | PCB plug-in connector, male header, Flange, THT solder connection, |
| GTIN (EAN) | 4008190871918 | 3.50 mm, Number of poles: 11, 90°, Solder pin length (l): 3.2 mm, |
| Qty. | 50 ST | tinned, black, Box |

SL-SMT 3.5/180G Box



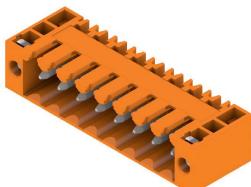
High-temperature-resistant male header, 3.50 mm pitch.

- Plugging direction parallel (90°), straight 180° or angled (135°) to PCB
- Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)
- Optimised for the SMT process
- Pin length 3.2 mm universal for all soldering methods
- Pin length 1.5 mm optimised for reflow soldering methods
- Packed either in a box (BX) or tape-on-reel (RL)
- Male header can be coded

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SL-SMT 3.50/11/180G 1.5... | Version |
| Order No. | 1753072001 | PCB plug-in connector, male header, closed side, THT/THR solder |
| GTIN (EAN) | 4032248130979 | connection, 3.50 mm, Number of poles: 11, 180°, Solder pin length |
| Qty. | 50 ST | (l): 1.5 mm, tinned, black, Box |

SL 3.50/90F



Pin headers for wave soldering in 3.50 mm pitch

- Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB
- Housing variant: screw flange (F)
- Packed in a cardboard box (BX)
- Pin header can be coded

BLZF 3.50/11/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

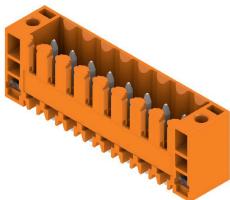
www.weidmueller.com

Counterpart

General ordering data

| | | |
|------------|----------------------------|--|
| Type | SL 3.50/11/90F 3.2SN OR... | Version |
| Order No. | 1607130000 | PCB plug-in connector, male header, Flange, THT solder connection, |
| GTIN (EAN) | 4008190009502 | 3.50 mm, Number of poles: 11, 90°, Solder pin length (l): 3.2 mm, |
| Qty. | 50 ST | tinned, orange, Box |

SL 3.50/180F



Pin headers for wave soldering in 3.50 mm pitch

- Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB
- Housing variant: screw flange (F)
- Packed in a cardboard box (BX)
- Pin header can be coded

General ordering data

| | | |
|------------|----------------------------|--|
| Type | SL 3.50/11/180F 3.2SN O... | Version |
| Order No. | 1607590000 | PCB plug-in connector, male header, Flange, THT solder connection, |
| GTIN (EAN) | 4008190125509 | 3.50 mm, Number of poles: 11, 180°, Solder pin length (l): 3.2 mm, |
| Qty. | 50 ST | tinned, orange, Box |

SL-SMT 3.5/180G Box



High-temperature-resistant male header, 3.50 mm pitch.

- Plugging direction parallel (90°), straight 180° or angled (135°) to PCB
- Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)
- Optimised for the SMT process
- Pin length 3.2 mm universal for all soldering methods
- Pin length 1.5 mm optimised for reflow soldering methods
- Packed either in a box (BX) or tape-on-reel (RL)
- Male header can be coded

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SL-SMT 3.50/11/180G 3.2... | Version |
| Order No. | 1842400000 | PCB plug-in connector, male header, closed side, THT/THR solder |
| GTIN (EAN) | 4032248353750 | connection, 3.50 mm, Number of poles: 11, 180°, Solder pin length |
| Qty. | 50 ST | (l): 3.2 mm, tinned, black, Box |

BLZF 3.50/11/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Counterpart

SL-SMT 3.5/90LF Box



High-temperature-resistant male header, 3.50 mm pitch.

- Plugging direction parallel (90°), straight 180° or angled (135°) to PCB
- Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)
- Optimised for the SMT process
- Pin length 3.2 mm universal for all soldering methods
- Pin length 1.5 mm optimised for reflow soldering methods
- Packed either in a box (BX) or tape-on-reel (RL)
- Male header can be coded

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SL-SMT 3.50/11/90LF 1.5... | Version |
| Order No. | 1805030000 | PCB plug-in connector, male header, Solder flange, THT/THR solder |
| GTIN (EAN) | 4032248268931 | connection, 3.50 mm, Number of poles: 11, 90°, Solder pin length (l): |
| Qty. | 50 ST | 1.5 mm, tinned, black, Box |

SL-SMT 3.5/180LF Box



High-temperature-resistant male header, 3.50 mm pitch.

- Plugging direction parallel (90°), straight 180° or angled (135°) to PCB
- Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)
- Optimised for the SMT process
- Pin length 3.2 mm universal for all soldering methods
- Pin length 1.5 mm optimised for reflow soldering methods
- Packed either in a box (BX) or tape-on-reel (RL)
- Male header can be coded

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SL-SMT 3.50/11/180LF 3.... | Version |
| Order No. | 1842630000 | PCB plug-in connector, male header, Solder flange, THT/THR solder |
| GTIN (EAN) | 4032248353996 | connection, 3.50 mm, Number of poles: 11, 180°, Solder pin length |
| Qty. | 36 ST | (l): 3.2 mm, tinned, black, Box |

SL-SMT 3.5/90LF Box



High-temperature-resistant male header, 3.50 mm pitch.

- Plugging direction parallel (90°), straight 180° or angled (135°) to PCB
- Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)
- Optimised for the SMT process
- Pin length 3.2 mm universal for all soldering methods
- Pin length 1.5 mm optimised for reflow soldering methods
- Packed either in a box (BX) or tape-on-reel (RL)
- Male header can be coded

BLZF 3.50/11/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Counterpart

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SL-SMT 3.50/11/90LF 3.2... | Version |
| Order No. | 1841950000 | PCB plug-in connector, male header, Solder flange, THT/THR solder |
| GTIN (EAN) | 4032248353309 | connection, 3.50 mm, Number of poles: 11, 90°, Solder pin length (l): |
| Qty. | 36 ST | 3.2 mm, tinned, black, Box |

SL-SMT 3.5/90F Box



High-temperature-resistant male header, 3.50 mm pitch.

- Plugging direction parallel (90°), straight 180° or angled (135°) to PCB
- Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)
- Optimised for the SMT process
- Pin length 3.2 mm universal for all soldering methods
- Pin length 1.5 mm optimised for reflow soldering methods
- Packed either in a box (BX) or tape-on-reel (RL)
- Male header can be coded

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SL-SMT 3.50/11/90F 3.2... | Version |
| Order No. | 1842170000 | PCB plug-in connector, male header, Flange, THT/THR solder |
| GTIN (EAN) | 4032248353521 | connection, 3.50 mm, Number of poles: 11, 90°, Solder pin length (l): |
| Qty. | 36 ST | 3.2 mm, tinned, black, Box |

SL-SMT 3.5/180F Box



High-temperature-resistant male header, 3.50 mm pitch.

- Plugging direction parallel (90°), straight 180° or angled (135°) to PCB
- Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)
- Optimised for the SMT process
- Pin length 3.2 mm universal for all soldering methods
- Pin length 1.5 mm optimised for reflow soldering methods
- Packed either in a box (BX) or tape-on-reel (RL)
- Male header can be coded

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SL-SMT 3.50/11/180F 3.2... | Version |
| Order No. | 1842860000 | PCB plug-in connector, male header, Flange, THT/THR solder |
| GTIN (EAN) | 4032248354320 | connection, 3.50 mm, Number of poles: 11, 180°, Solder pin length |
| Qty. | 36 ST | (l): 3.2 mm, tinned, black, Box |

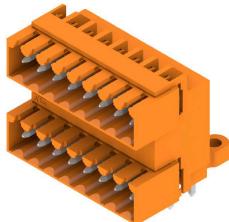
BLZF 3.50/11/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Counterpart

SLD 3.50/90G

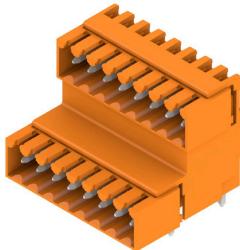


Two-tier pin header for wave soldering in 3.50 mm pitch. The connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in a cardboard box.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SLD 3.50/22/90G 3.2SN O... | Version |
| Order No. | 1633670000 | PCB plug-in connector, male header, closed side, THT solder |
| GTIN (EAN) | 4008190258122 | connection, 3.50 mm, Number of poles: 22, 90°, Solder pin length (l): |
| Qty. | 10 ST | 3.2 mm, tinned, orange, Box |

SLD 3.50V/90G



Double-level, staggered pin header for wave soldering at 3.50 mm pitch. They are available in closed and flanged versions. The male connectors provide space for labelling and can be coded.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SLD 3.50V/22/90G 3.2SN ... | Version |
| Order No. | 1669650000 | PCB plug-in connector, male header, closed side, THT solder |
| GTIN (EAN) | 4008190429232 | connection, 3.50 mm, Number of poles: 22, 90°, Solder pin length (l): |
| Qty. | 10 ST | 3.2 mm, tinned, orange, Box |

SL-SMT 3.5/180G Tape



High-temperature-resistant male header, 3.50 mm pitch.

- Plugging direction parallel (90°), straight 180° or angled (135°) to PCB
- Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)
- Optimised for the SMT process
- Pin length 3.2 mm universal for all soldering methods
- Pin length 1.5 mm optimised for reflow soldering methods
- Packed either in a box (BX) or tape-on-reel (RL)
- Male header can be coded

BLZF 3.50/11/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Counterpart

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SL-SMT 3.50/11/180G 1.5... | Version |
| Order No. | 1753074001 | PCB plug-in connector, male header, closed side, THT/THR solder |
| GTIN (EAN) | 4032248135677 | connection, 3.50 mm, Number of poles: 11, 180°, Solder pin length |
| Qty. | 265 ST | (l): 1.5 mm, tinned, black, Tape |

SL-SMT 3.5/90G Tape

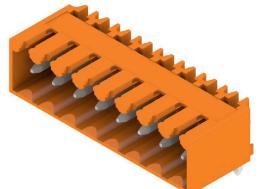


High-temperature-resistant male header, 3.50 mm pitch.
 • Plugging direction parallel (90°), straight 180° or angled (135°) to PCB
 • Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)
 • Optimised for the SMT process
 • Pin length 3.2 mm universal for all soldering methods
 • Pin length 1.5 mm optimised for reflow soldering methods
 • Packed either in a box (BX) or tape-on-reel (RL)
 • Male header can be coded

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SL-SMT 3.50/11/90G 1.5S... | Version |
| Order No. | 1761634001 | PCB plug-in connector, male header, closed side, THT/THR solder |
| GTIN (EAN) | 4032248136070 | connection, 3.50 mm, Number of poles: 11, 90°, Solder pin length (l): |
| Qty. | 385 ST | 1.5 mm, tinned, black, Tape |

SL 3.50/90G



Pin headers for wave soldering in 3.50 mm pitch
 • Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB
 • Housing variant: screw flange (F)
 • Packed in a cardboard box (BX)
 • Pin header can be coded

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SL 3.50/11/90G 3.2SN BK... | Version |
| Order No. | 1766980000 | PCB plug-in connector, male header, closed side, THT solder |
| GTIN (EAN) | 4032248341719 | connection, 3.50 mm, Number of poles: 11, 90°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, black, Box |

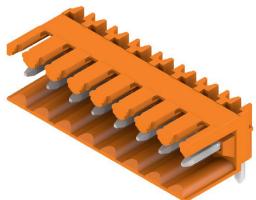
BLZF 3.50/11/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Counterpart

SL 3.50/90



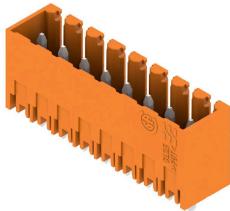
Pin headers for wave soldering in 3.50 mm pitch

- Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB
- Housing variant: screw flange (F)
- Packed in a cardboard box (BX)
- Pin header can be coded

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SL 3.50/11/90 3.2SN OR ... | Version |
| Order No. | 1597300000 | PCB plug-in connector, male header, open side, THT solder |
| GTIN (EAN) | 4008190173883 | connection, 3.50 mm, Number of poles: 11, 90°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, orange, Box |

SL 3.50/180G



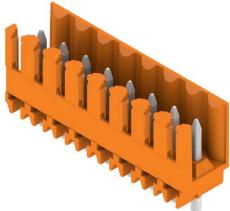
Pin headers for wave soldering in 3.50 mm pitch

- Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB
- Housing variant: screw flange (F)
- Packed in a cardboard box (BX)
- Pin header can be coded

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SL 3.50/11/180G 3.2SN O... | Version |
| Order No. | 1604560000 | PCB plug-in connector, male header, closed side, THT solder |
| GTIN (EAN) | 4008190030568 | connection, 3.50 mm, Number of poles: 11, 180°, Solder pin length |
| Qty. | 50 ST | (l): 3.2 mm, tinned, orange, Box |

SL 3.50/180



Pin headers for wave soldering in 3.50 mm pitch

- Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB
- Housing variant: screw flange (F)
- Packed in a cardboard box (BX)
- Pin header can be coded

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SL 3.50/11/180 3.2SN OR... | Version |
| Order No. | 1604860000 | PCB plug-in connector, male header, open side, THT solder |
| GTIN (EAN) | 4008190062507 | connection, 3.50 mm, Number of poles: 11, 180°, Solder pin length |
| Qty. | 50 ST | (l): 3.2 mm, tinned, orange, Box |

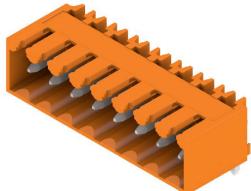
BLZF 3.50/11/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Counterpart

SL 3.50/90G



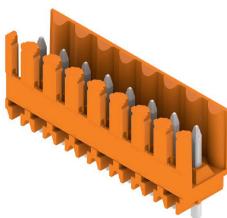
Pin headers for wave soldering in 3.50 mm pitch

- Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB
- Housing variant: screw flange (F)
- Packed in a cardboard box (BX)
- Pin header can be coded

General ordering data

| Type | SL 3.50/11/90G 3.2SN OR... | Version |
|------------|----------------------------|---|
| Order No. | 1605160000 | PCB plug-in connector, male header, closed side, THT solder |
| GTIN (EAN) | 4008190003982 | connection, 3.50 mm, Number of poles: 11, 90°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, orange, Box |
| Type | SL 3.50/11/90G 4.5SN BK... | Version |
| Order No. | 1615480000 | PCB plug-in connector, male header, closed side, THT solder |
| GTIN (EAN) | 4008190055882 | connection, 3.50 mm, Number of poles: 11, 90°, Solder pin length (l): |
| Qty. | 50 ST | 4.5 mm, tinned, black, Box |

SL 3.50/180



Pin headers for wave soldering in 3.50 mm pitch

- Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB
- Housing variant: screw flange (F)
- Packed in a cardboard box (BX)
- Pin header can be coded

General ordering data

| Type | SL 3.50/11/180 4.5SN BK... | Version |
|------------|----------------------------|---|
| Order No. | 1615970000 | PCB plug-in connector, male header, open side, THT solder |
| GTIN (EAN) | 4008190064358 | connection, 3.50 mm, Number of poles: 11, 180°, Solder pin length |
| Qty. | 50 ST | (l): 4.5 mm, tinned, black, Box |

SL-SMT 3.5/90G Box



High-temperature-resistant male header, 3.50 mm pitch.

- Plugging direction parallel (90°), straight 180° or angled (135°) to PCB
- Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)
- Optimised for the SMT process
- Pin length 3.2 mm universal for all soldering methods
- Pin length 1.5 mm optimised for reflow soldering methods
- Packed either in a box (BX) or tape-on-reel (RL)
- Male header can be coded

BLZF 3.50/11/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Counterpart

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SL-SMT 3.50/11/90G 3.2S... | Version |
| Order No. | 1841720000 | PCB plug-in connector, male header, closed side, THT/THR solder |
| GTIN (EAN) | 4032248353071 | connection, 3.50 mm, Number of poles: 11, 90°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, black, Box |

SL-THR 3.5/135F



High-temperature-resistant male header, 3.50 mm pitch.
 • Plugging direction parallel (90°), straight 180° or angled (135°) to PCB
 • Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)
 • Optimised for the SMT process
 • Pin length 3.2 mm universal for all soldering methods
 • Pin length 1.5 mm optimised for reflow soldering methods
 • Packed either in a box (BX) or tape-on-reel (RL)
 • Male header can be coded

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SL-SMT 3.50/11/135F 3.2... | Version |
| Order No. | 1003600000 | PCB plug-in connector, male header, Flange, THT/THR solder |
| GTIN (EAN) | 4032248700233 | connection, 3.50 mm, Number of poles: 11, 135°, Solder pin length |
| Qty. | 36 ST | (l): 3.2 mm, tinned, black, Box |