

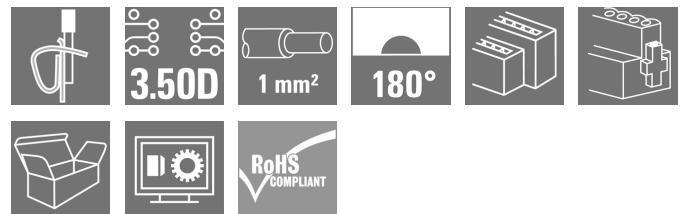
**B2L 3.50/10/180FQV5 SN BK BX****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Female connector with integral cross-connection and clear printing for uninterrupted relaying of potential at full current-carrying capacity with the maximum cable cross-section. The cross-connection is positioned vertically between the poles of rows directly on top of each other. Conductor connection with tension clamp system with straight outlet and 3.5 mm pitch. Flange and release lever available. Packed in cardboard box.

**General ordering data**

|              |                                                                                                                                     |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Version      | PCB plug-in connector, female plug, 3.50 mm, Number of poles: 10, 180°, Tension-clamp connection, Clamping range, max. : 1 mm², Box |
| Order No.    | <a href="#">1944690000</a>                                                                                                          |
| Type         | B2L 3.50/10/180FQV5 SN BK BX                                                                                                        |
| GTIN (EAN)   | 4032248619627                                                                                                                       |
| Qty.         | 72 pc(s).                                                                                                                           |
| Product data | IEC: 200 V / 10.6 A / 0.2 - 1 mm²<br>UL: 150 V / 7 A / AWG 28 - AWG 18                                                              |
| Packaging    | Box                                                                                                                                 |

Creation date May 11, 2025 8:25:14 PM CEST

Catalogue status 26.04.2025 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 20.6 mm | Depth (inches)  | 0.811 inch |
| Height     | 15.7 mm | Height (inches) | 0.618 inch |
| Width      | 24.3 mm | Width (inches)  | 0.957 inch |
| Net weight | 4.14 g  |                 |            |

**System Parameters**

|                                              |                                               |                   |                             |
|----------------------------------------------|-----------------------------------------------|-------------------|-----------------------------|
| Product family                               | OMNIMATE Signal - series B2L/S2L 3.50 - 2-row |                   |                             |
| Type of connection                           | Field connection                              |                   |                             |
| Wire connection method                       | Tension-clamp connection                      |                   |                             |
| Pitch in mm (P)                              | 3.5 mm                                        |                   |                             |
| Pitch in inches (P)                          | 0.138 "                                       |                   |                             |
| Conductor outlet direction                   | 180°                                          |                   |                             |
| Number of poles                              | 10                                            |                   |                             |
| L1 in mm                                     | 14 mm                                         |                   |                             |
| L1 in inches                                 | 0.551 "                                       |                   |                             |
| Number of rows                               | 1                                             |                   |                             |
| Pin series quantity                          | 2                                             |                   |                             |
| Rated cross-section                          | 1 mm <sup>2</sup>                             |                   |                             |
| 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                      |                   |                             |
| Can be coded                                 | Yes                                           |                   |                             |
| Stripping length                             | 7 mm                                          |                   |                             |
| Screwdriver blade                            | 0.4 x 2.5                                     |                   |                             |
| Screwdriver blade standard                   | DIN 5264                                      |                   |                             |
| Plugging cycles                              | 25                                            |                   |                             |
| Plugging force/pole, max.                    | 5 N                                           |                   |                             |
| Pulling force/pole, max.                     | 4 N                                           |                   |                             |
| Tightening torque                            | Torque type                                   | Screw flange      |                             |
|                                              | Usage information                             | Tightening torque | min. 0.15 Nm<br>max. 0.2 Nm |

**Material data**

|                                       |          |                                       |        |
|---------------------------------------|----------|---------------------------------------|--------|
| Insulating material                   | PBT      | Colour                                | black  |
| Colour chart (similar)                | RAL 9011 | Insulating material group             | IIIa   |
| Comparative Tracking Index (CTI)      | ≥ 200    | UL 94 flammability rating             | V-0    |
| Contact material                      | Cu-alloy | Contact surface                       | 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.                    | 0.08 mm <sup>2</sup> |
| Clamping range, max.                    | 1 mm <sup>2</sup>    |
| Wire connection cross section AWG, min. | AWG 28               |
| Wire connection cross section AWG, max. | AWG 18               |
| Solid, min. H05(07) V-U                 | 0.2 mm <sup>2</sup>  |
| Solid, max. H05(07) V-U                 | 1 mm <sup>2</sup>    |

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**Technical data**

|                                                 |                                                                                                                                                                        |                              |                                |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------|
| Flexible, min. H05(07) V-K                      | 0.2 mm <sup>2</sup>                                                                                                                                                    |                              |                                |
| Flexible, max. H05(07) V-K                      | 1 mm <sup>2</sup>                                                                                                                                                      |                              |                                |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.14 mm <sup>2</sup>                                                                                                                                                   |                              |                                |
| w. plastic collar ferrule, DIN 46228 pt 4, max. | 0.34 mm <sup>2</sup>                                                                                                                                                   |                              |                                |
| w. wire end ferrule, DIN 46228 pt 1, min.       | 0.14 mm <sup>2</sup>                                                                                                                                                   |                              |                                |
| w. wire end ferrule, DIN 46228 pt 1, max.       | 0.34 mm <sup>2</sup>                                                                                                                                                   |                              |                                |
| Clampable conductor                             | Cross-section for conductor connection                                                                                                                                 | Type                         | fine-wired                     |
|                                                 |                                                                                                                                                                        | nominal                      | 0.14 mm <sup>2</sup>           |
|                                                 | wire end ferrule                                                                                                                                                       | Stripping length             | nominal 10 mm                  |
|                                                 |                                                                                                                                                                        | Recommended wire-end ferrule | <a href="#">H0,14/12 GR SV</a> |
|                                                 | Cross-section for conductor connection                                                                                                                                 | Type                         | fine-wired                     |
|                                                 |                                                                                                                                                                        | nominal                      | 0.25 mm <sup>2</sup>           |
|                                                 | wire end ferrule                                                                                                                                                       | Stripping length             | nominal 10 mm                  |
|                                                 |                                                                                                                                                                        | Recommended wire-end ferrule | <a href="#">H0,25/12 HBL</a>   |
| 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)                         | 10.6 A           |
| Rated current, max. number of poles (Tu=20°C)                             | 8.2 A                  | Rated current, min. number of poles (Tu=40°C)                         | 9.1 A            |
| Rated current, max. number of poles (Tu=40°C)                             | 7 A                    | Rated voltage for surge voltage class / pollution degree II/2         | 200 V            |
| Rated voltage for surge voltage class / pollution degree III/2            | 160 V                  | Rated voltage for surge voltage class / pollution degree III/3        | 80 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 | 1.5 kV                 | Short-time withstand current resistance                               | 3 x 1s with 77 A |

**Rated data acc. to CSA**

|                                   |                                                                                     |                                   |                |
|-----------------------------------|-------------------------------------------------------------------------------------|-----------------------------------|----------------|
| Institute (CSA)                   |  | Certificate No. (CSA)             | 200039-1488444 |
| Rated voltage (Use group B / CSA) | 300 V                                                                               | Rated current (Use group B / CSA) | 7 A            |
| Wire cross-section, AWG, min.     | AWG 28                                                                              | Wire cross-section, AWG, max.     | AWG 18         |
| Reference to approval values      | Specifications are maximum values, details - see approval certificate.              |                                   |                |

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**Technical data****Rated data acc. to UL 1059**

Institute (UR)



Certificate No. (UR)

E60693

Rated voltage (Use group B / UL 1059) 150 V

Rated voltage (Use group C / UL 1059) 50 V

Rated current (Use group B / UL 1059) 7 A

Rated current (Use group C / UL 1059) 7 A

Wire cross-section, AWG, min. AWG 28

Wire cross-section, AWG, max. AWG 18

Reference to approval values  
Specifications are maximum values, details - see approval certificate.**Packing**

|           |        |            |        |
|-----------|--------|------------|--------|
| Packaging | Box    | VPE length | 348 mm |
| VPE width | 138 mm | VPE height | 31 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 cross-section, type of material         |
|                                              | Evaluation     | available                                                                          |
|                                              | Test           | durability                                                                         |
|                                              | Evaluation     | passed                                                                             |
| Test: Misengagement (Non-interchangeability) | Standard       | DIN EN 61984 section 6.3 and 6.9.1 / 09.02, DIN IEC 60512-7 section 5 / 05.94      |
|                                              | Test           | 180° turned without coding elements                                                |
|                                              | Evaluation     | passed                                                                             |
|                                              | Test           | visual examination                                                                 |
|                                              | 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 / 12.02 |
|                                              | Conductor type | Type of conductor and solid 0.2 mm <sup>2</sup> conductor cross-section            |
|                                              |                | Type of conductor and stranded 0.2 mm <sup>2</sup> conductor cross-section         |
|                                              |                | Type of conductor and solid 1.0 mm <sup>2</sup> conductor cross-section            |
|                                              |                | Type of conductor and stranded 1.0 mm <sup>2</sup> conductor cross-section         |
|                                              |                | Type of conductor and AWG 28/1 conductor cross-section                             |
|                                              |                | Type of conductor and AWG 28/19 conductor cross-section                            |
|                                              |                | Type of conductor and AWG 18/1 conductor cross-section                             |
|                                              |                | Type of conductor and AWG 18/19 conductor cross-section                            |
|                                              | Evaluation     | passed                                                                             |

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**Technical data**

Test for damage to and accidental loosening of conductors

|                |                                                                            |
|----------------|----------------------------------------------------------------------------|
| Standard       | DIN EN 60999-1 section 9.4 / 12.00                                         |
| Requirement    | 0.2 kg                                                                     |
| Conductor type | Type of conductor and AWG 28/1 conductor cross-section                     |
|                | Type of conductor and AWG 28/19 conductor cross-section                    |
| Evaluation     | passed                                                                     |
| Requirement    | 0.3 kg                                                                     |
| Conductor type | Type of conductor and solid 0.5 mm <sup>2</sup> conductor cross-section    |
|                | Type of conductor and stranded 0.5 mm <sup>2</sup> conductor cross-section |
| Evaluation     | passed                                                                     |
| Requirement    | 0.4 kg                                                                     |
| Conductor type | Type of conductor and solid 1.0 mm <sup>2</sup> conductor cross-section    |
|                | Type of conductor and stranded 1.0 mm <sup>2</sup> conductor cross-section |
|                | Type of conductor and AWG 18/1 conductor cross-section                     |
|                | Type of conductor and AWG 18/19 conductor cross-section                    |
| Evaluation     | passed                                                                     |

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**Technical data**

|               |                |                                                         |
|---------------|----------------|---------------------------------------------------------|
| Pull-out test | Standard       | DIN EN 60999-1 section 9.4 / 12.00                      |
|               | Requirement    | ≥5 N                                                    |
|               | Conductor type | Type of conductor and AWG 28/1 conductor cross-section  |
|               |                | Type of conductor and AWG 28/19 conductor cross-section |
|               | Requirement    | ≥20 N                                                   |
|               | Conductor type | Type of conductor and H05V-U0.5 conductor cross-section |
|               |                | Type of conductor and H05V-K0.5 conductor cross-section |
|               | Requirement    | ≥35 N                                                   |
|               | Conductor type | Type of conductor and H05V-U1 conductor cross-section   |
|               |                | Type of conductor and H05V-K1 conductor cross-section   |
|               |                | Type of conductor and AWG 18/1 conductor cross-section  |
|               |                | Type of conductor and AWG 18/19 conductor cross-section |
|               | Requirement    | ≥30 N                                                   |
|               | Conductor type | Type of conductor and AWG 18/1 conductor cross-section  |
|               |                | Type of conductor and AWG 18/19 conductor cross-section |

**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 |             |             |

**Environmental Product Compliance**

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

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**Technical data****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"> <li>• Additional variants on request</li> <li>• Gold-plated contact surfaces on request</li> <li>• Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>• Wire end ferrule with plastic collar to DIN 46228/4</li> <li>• Wire end ferrule without plastic collar to DIN 46228/1</li> <li>• P on drawing = pitch</li> <li>• 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.</li> <li>• 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.</li> <li>• 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</li> <li>• Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months</li> </ul> |

**Approvals**

Approvals



|                       |                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID       | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319262/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319262/-T1z1mm-S800/</a> |
| ROHS                  | Conform                                                                                                                                                                                                                                                                                                                                                 |
| UL File Number Search | UL Website                                                                                                                                                                                                                                                                                                                                              |
| Certificate No. (UR)  | E60693                                                                                                                                                                                                                                                                                                                                                  |

## B2L 3.50/10/180FQV5 SN BK BX

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# Technical data

## Downloads

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Declaration of the Manufacturer</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Brochures                                   | <a href="#">FL DRIVES EN</a><br><a href="#">MB DEVICE MANUF. EN</a><br><a href="#">FL DRIVES DE</a><br><a href="#">FL BUILDING SAFETY EN</a><br><a href="#">FL APPL LED LIGHTING EN</a><br><a href="#">FL INDUSTR.CONTROLS EN</a><br><a href="#">FL MACHINE SAFETY EN</a><br><a href="#">FL HEATING ELECTR EN</a><br><a href="#">FL APPL INVERTER EN</a><br><a href="#">FL_BASE_STATION_EN</a><br><a href="#">FL ELEVATOR EN</a><br><a href="#">FL POWER SUPPLY EN</a><br><a href="#">FL 72H SAMPLE SER EN</a><br><a href="#">PO OMNIMATE EN</a><br><a href="#">PO OMNIMATE EN</a> |



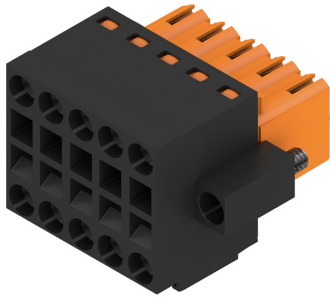
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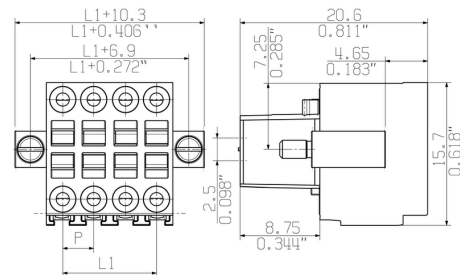
[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

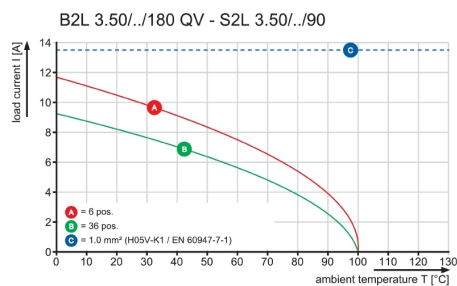
### Product image



## Dimensional drawing



## Graph



## B2L 3.50/10/180FQV5 SN BK BX

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## Accessories

### Cover hoods



#### Effective protection, optimised ergonomics and closed design:

From the strain relief on the connected conductors and the visual/contact protection and the disconnection aid: the optional retrofit hoods perform mechanical, visual and haptic functions.

The two half shells clip together securely, enclose the plug completely and offer the following functions:

- Cable ties or integrated cable clips provide strain relief.
- Marked with dekafix labels or adhesive strips
- Mounting side by side without losing poles or displacing the pitch
- Compatible: suitable for plugs with or without a flange or mounting bracket
- Flexible: 1-3 cable outlets leading in different directions available depending on the size

Weidmüller hoods offer added stability, better identification, complete compatibility and versatility. The result: maximum reliability and user-friendliness in any application.

#### General ordering data

| Type       | B2L 3.50 AH10 BK BX        | Version                                                              | Product data | Packaging |
|------------|----------------------------|----------------------------------------------------------------------|--------------|-----------|
| Order No.  | <a href="#">1781580000</a> | PCB plug-in connector, Accessories, Hood, black, Number of poles: 10 |              | Box       |
| GTIN (EAN) | 4032248172634              |                                                                      |              |           |
| Qty.       | 10 pc(s).                  |                                                                      |              |           |

### 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       | B2L/S2L 3.50 KO OR BX      | Version                                                                        | Product data | Packaging |
|------------|----------------------------|--------------------------------------------------------------------------------|--------------|-----------|
| Order No.  | <a href="#">1849730000</a> | PCB plug-in connector, Accessories, Coding element, orange, Number of poles: 1 |              | Box       |
| GTIN (EAN) | 4032248378197              |                                                                                |              |           |
| Qty.       | 100 pc(s).                 |                                                                                |              |           |

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories**

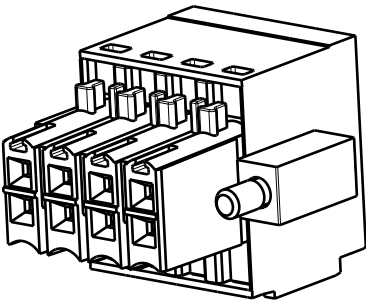
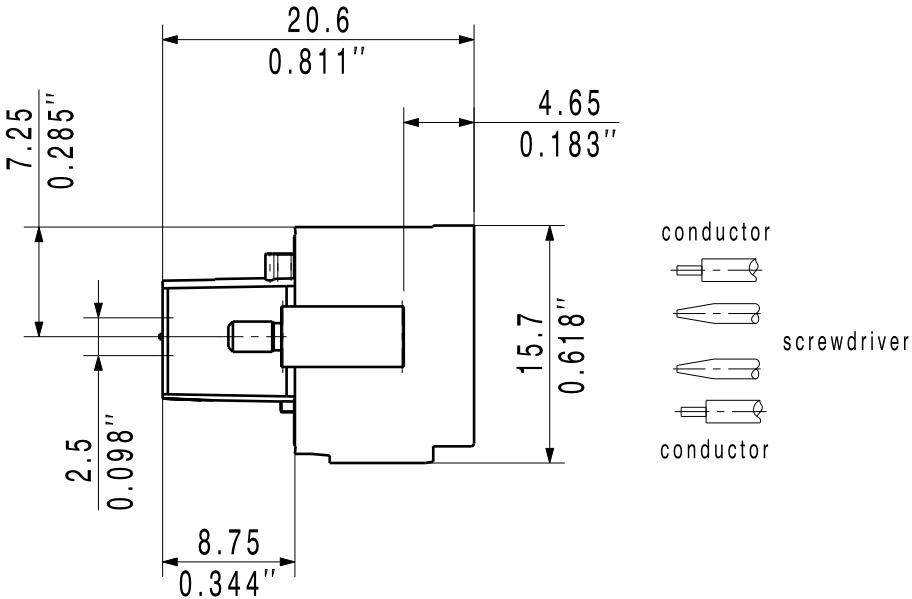
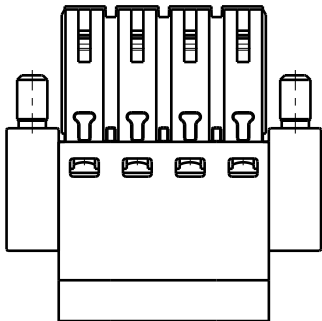
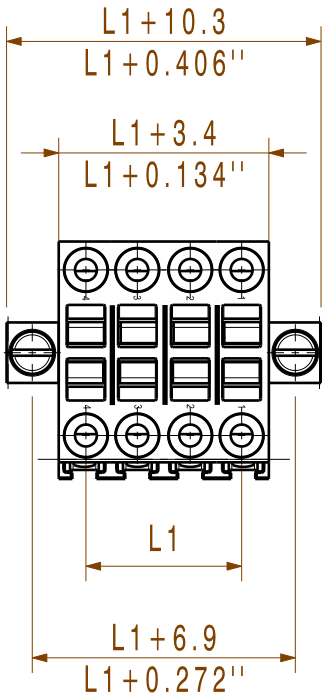
| Type       | B2L/S2L 3.50 KO BK BX      | Version                                                           | Product data | Packaging |
|------------|----------------------------|-------------------------------------------------------------------|--------------|-----------|
| Order No.  | <a href="#">1849740000</a> | PCB plug-in connector, Accessories, Coding element, black, Number |              | Box       |
| GTIN (EAN) | 4032248378203              | of poles: 1                                                       |              |           |
| Qty.       | 100 pc(s).                 |                                                                   |              |           |

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Dimensions without tolerances are no check dimensions

The English version is binding



|    |          |         |
|----|----------|---------|
| 36 | 2,345    | 59,50   |
| 34 | 2,207    | 56,00   |
| 32 | 2,069    | 52,50   |
| 30 | 1,931    | 49,00   |
| 28 | 1,793    | 45,50   |
| 26 | 1,655    | 42,00   |
| 24 | 1,517    | 38,50   |
| 22 | 1,379    | 35,00   |
| 20 | 1,241    | 31,50   |
| 18 | 1,103    | 28,00   |
| 16 | 0,965    | 24,50   |
| 14 | 0,827    | 21,00   |
| 12 | 0,689    | 17,50   |
| 10 | 0,551    | 14,00   |
| 8  | 0,413    | 10,50   |
| 6  | 0,275    | 7,00    |
| n  | L1[inch] | L1 [mm] |

shown: B2L 3.5/08F QV4 BED

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relates only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance with VDE 0110. The current-carrying capacity and pitch tolerance is to be determined according to DIN IEC 326 part 3 very fine.

Weidmüller connectors are tested to the DIN VDE 0627 standard, and are valid for its field of application. Provided that the connectors are used to the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.

|                                                     |                              |            |                   |                                                             |                                            |
|-----------------------------------------------------|------------------------------|------------|-------------------|-------------------------------------------------------------|--------------------------------------------|
| <b>GENERAL TOLERANCE:</b><br><b>DIN ISO 2768-mK</b> |                              |            |                   | Cat.no.: .                                                  |                                            |
|                                                     | 87939/5<br>03.05.16 HELIS_MA | 01         | <b>Weidmüller</b> |                                                             | <b>3 39691 02</b><br>Drawing no. Issue no. |
|                                                     | Modification                 |            |                   |                                                             |                                            |
|                                                     | Drawn                        | 02.07.2007 | NICKOL_M          | <b>B2L 3.50/.../...PRT</b><br>BUCHSENLEISTE<br>SOCKET BLOCK |                                            |
|                                                     | Responsible                  |            | AMANN_A           |                                                             |                                            |
| Scale: 2:1                                          | Checked                      | 13.05.2016 | HELIS_MA          |                                                             |                                            |
| Supersedes: .                                       | Approved                     |            | HECKERT_M         | 7367                                                        |                                            |