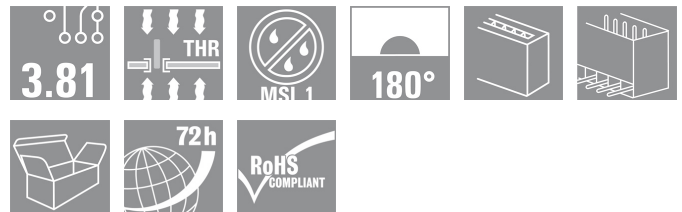


## OMNIMATE Signal - series BC/SC 3.81 SC-SMT 3.81/02/180G 3.2SN BK BX

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
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High-temperature-resistant pin header (SC-SMT 180G) in 3.81-mm pitch (0.15 inch)

- Plugging direction is perpendicular to PCB (standing)
- Closed (G) .
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

- 320 V (IEC) / 300 V (UL)
- 14.9 A (IEC) / 10 A (UL)

### General ordering data

|              |  |
|--------------|--|
| Order No.    | <a href="#">1862920000</a>   |
| Type         | SC-SMT 3.81/02/180G 3.2SN BK BX  |
| Version      | PCB plug-in connector, male header, closed side, Reflow solder connection, 3.81 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box |
| GTIN (EAN)   | 4032248428113  |
| Qty.         | 50 pc(s).  |
| Product data | IEC: 320 V / 17.5 A<br>UL: 300 V / 10 A  |
| Packaging    | Box  |

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

Net weight 0.78 g

**System parameters**

| Product family                             |                                     | Mounting onto the PCB                        |                        |
|--|-------------------------------------|--|------------------------|
| Product family                             | OMNIMATE Signal - series BC/SC 3.81 | Reflow solder connection                     |                        |
| Outgoing elbow                             | 180°                                | Pitch in mm (P)                              | 3.81 mm                |
| Pitch in inches (P)                        | 0.15 inch                           | No. of poles                                 | 2                      |
| Solder pin length (l)                      | 3.2 mm                              | Pin dimensions                               | d = 1.0 mm, Octagonal  |
| Can be coded                               | Yes                                 | Number of rows                               | 1                      |
| Number of solder pins per pole             | 1                                   | Solder eyelet hole diameter (D)              | 1.3 mm                 |
| Solder eyelet hole diameter tolerance (D)  | + 0,1 mm                            | L1 in mm                                     | 3.81 mm                |
| L1 in inches                               | 0.15 inch                           | Insulation resistance                        | 10 <sup>3</sup> Ω      |
| 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              | LCP GF | Colour                                | Black  |
| Insulating material group        | IIIa   | UL 94 flammability rating             | V-0    |
| CTI                              | ≥ 175  | Contact material                      | Cu-Leg |
| Contact surface                  | tinned | Continuous operating temp., min.      | -25 °C |
| Continuous operating temp., max. | 120 °C | Max. relative humidity during storage | 85 %   |

**DIN IEC rating data**

|  |                  |   |        |
|--|------------------|---|--------|
| Rated current, min. no. of poles (Tu=20°C)                     | 17.5 A           | Rated current, max. no. of poles (Tu=20°C)                                | 13.9 A |
| Rated current, number of poles (Tu=40°C), min                  | 17 A             | Rated current, number of poles (Tu=40°C), max.                            | 12.4 A |
| Rated voltage for surge voltage class / pollution degree III/3 | 160 V            | Rated impulse voltage for surge voltage class/ contamination degree III/3 | 2.5 kV |
| Rated voltage for surge voltage class / pollution degree III/2 | 160 V            | Rated impulse voltage for surge voltage class/ pollution degree III/2     | 2.5 kV |
| Rated voltage for surge voltage class / pollution degree II/2  | 320 V            | Rated impulse voltage for surge voltage class/ pollution degree II/2      | 2.5 kV |
| Short-time withstand current resistance                        | 3 x 1s with 76 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  |                             |       |

**UL 1059 rating data**

|                             |       |                             |      |
|-----------------------------|-------|-----------------------------|------|
| 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 |

**Data sheet...**

**OMNIMATE Signal - series BC/SC 3.81  
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**Technical data**

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC001284    | UNSPSC     | 30-21-18-10 |
| eClass 4.1 | 27-26-07-01 | eClass 5.1 | 27-26-07-04 |
| eClass 6.2 | 27-26-07-04 | eClass 7.1 | 27-44-04-02 |

**Notes**

- Notes
- Gold-plated contact surfaces on request
  - Rated current related to rated cross-section & min. No. of poles.
  - 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.
  - P on drawing = pitch

**Approvals**

Approvals

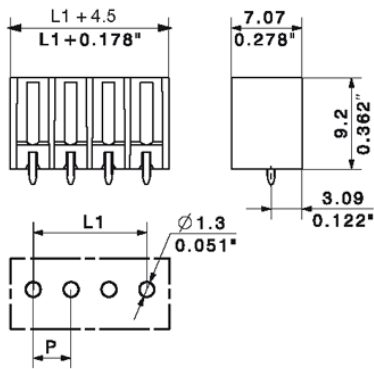


ROHS

Conform

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**Drawings**

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**Mating connector (conditionally pluggable)**
**BCZ 3.81/90F**


Female socket connectors with clamping-yoke screw system for connecting wires.

Three wire-outlet directions are available and provide flexible connection-level design options:

- 180° wire parallel to plugging direction
- 90° wire perpendicular and above plugging direction
- 270° wire perpendicular and below plugging direction

There are three housing shapes, covering many different requirements, to choose from:

- Standard housing without flange
- Flange with screw (F)
- Flange featuring Weidmüller's patented release latch (LR) for lock-and-release latching with no strain and no tools needed.

Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of customary connectors and offer space for labelling and coding.

- 0.20 - 1.5 mm<sup>2</sup> (IEC) / 28 - 16 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

**General ordering data**

| Order No.                  | Type                     | Version  | GTIN (EAN)    | Qty.      | Product data  | Packaging |
|----------------------------|--------------------------|--|---------------|-----------|---|-----------|
| <a href="#">1798850000</a> | BCZ 3.81/02/90F SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248243532 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |
| <a href="#">1798780000</a> | BCZ 3.81/02/90F SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248243464 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |
| <a href="#">1939980000</a> | BCZ 3.81/02/90F SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656844 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |

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**Mating connector (conditionally pluggable)**

**BCZ 3.81/180LR**



Female socket connectors with clamping-yoke screw system for connecting wires. Three wire-outlet directions are available and provide flexible connection-level design options:

- 180° wire parallel to plugging direction
- 90° wire perpendicular and above plugging direction
- 270° wire perpendicular and below plugging direction

There are three housing shapes, covering many different requirements, to choose from:

- Standard housing without flange
- Flange with screw (F)
- Flange featuring Weidmüller's patented release latch (LR) for lock-and-release latching with no strain and no tools needed.

Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of customary connectors and offer space for labelling and coding.

- 0.20 - 1.5 mm<sup>2</sup> (IEC) / 28 - 16 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

**General ordering data**

| Order No.                  | Type                       | Version   | GTIN (EAN)    | Qty.      | Product data  | Packaging |
|----------------------------|----------------------------|---|---------------|-----------|---|-----------|
| <a href="#">1941590000</a> | BCZ 3.81/02/180LR SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248698516 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |
| <a href="#">1941780000</a> | BCZ 3.81/02/180LR SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248698707 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |
| <a href="#">1941400000</a> | BCZ 3.81/02/180LR SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248698325 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |

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**Mating connector (conditionally pluggable)**

**BCZ 3.81/270F**



Female socket connectors with clamping-yoke screw system for connecting wires. Three wire-outlet directions are available and provide flexible connection-level design options:

- 180° wire parallel to plugging direction
- 90° wire perpendicular and above plugging direction
- 270° wire perpendicular and below plugging direction

There are three housing shapes, covering many different requirements, to choose from:

- Standard housing without flange
- Flange with screw (F)
- Flange featuring Weidmüller's patented release latch (LR) for lock-and-release latching with no strain and no tools needed.

Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of customary connectors and offer space for labelling and coding.

- 0.20 - 1.5 mm<sup>2</sup> (IEC) / 28 - 16 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

**General ordering data**

| Order No.                  | Type                      | Version   | GTIN (EAN)    | Qty.      | Product data  | Packaging |
|----------------------------|---------------------------|---|---------------|-----------|---|-----------|
| <a href="#">1940460000</a> | BCZ 3.81/02/270F SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656370 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |
| <a href="#">1799100000</a> | BCZ 3.81/02/270F SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248243990 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |
| <a href="#">1799170000</a> | BCZ 3.81/02/270F SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248244065 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |

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**Mating connector (conditionally pluggable)**

**BCZ 3.81/180F**



Female socket connectors with clamping-yoke screw system for connecting wires.

Three wire-outlet directions are available and provide flexible connection-level design options:

- 180° wire parallel to plugging direction
- 90° wire perpendicular and above plugging direction
- 270° wire perpendicular and below plugging direction

There are three housing shapes, covering many different requirements, to choose from:

- Standard housing without flange
- Flange with screw (F)
- Flange featuring Weidmüller's patented release latch (LR) for lock-and-release latching with no strain and no tools needed.

Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of customary connectors and offer space for labelling and coding.

- 0.20 - 1.5 mm<sup>2</sup> (IEC) / 28 - 16 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

**General ordering data**

| Order No.                  | Type                      | Version   | GTIN (EAN)    | Qty.      | Product data  | Packaging |
|----------------------------|---------------------------|---|---------------|-----------|---|-----------|
| <a href="#">1792950000</a> | BCZ 3.81/02/180F SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248227037 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |
| <a href="#">1793040000</a> | BCZ 3.81/02/180F SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248227129 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |
| <a href="#">1941010000</a> | BCZ 3.81/02/180F SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248655830 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |



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**Mating connector (fully pluggable)**
**BCZ 3.81/180ZE**


Female socket connectors with clamping-yoke screw system for connecting wires.

Three wire-outlet directions are available and provide flexible connection-level design options:

- 180° wire parallel to plugging direction
- 90° wire perpendicular and above plugging direction
- 270° wire perpendicular and below plugging direction

There are three housing shapes, covering many different requirements, to choose from:

- Standard housing without flange
- Flange with screw (F)
- Flange featuring Weidmüller's patented release latch (LR) for lock-and-release latching with no strain and no tools needed.

Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of customary connectors and offer space for labelling and coding.

- 0.20 - 1.5 mm<sup>2</sup> (IEC) / 28 - 16 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

**General ordering data**

| Order No.                  | Type                       | Version  | GTIN (EAN)    | Qty.      | Product data  |
|----------------------------|----------------------------|--|---------------|-----------|---|
| <a href="#">1236440000</a> | BCZ 3.81/19/180ZE SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 19, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup>       | 4050118021721 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1941970000</a> | BCZ 3.81/08/180ZE SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248698783 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1072020000</a> | BCZ 3.81/11/180ZE SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 11, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248830459 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1072030000</a> | BCZ 3.81/12/180ZE SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248830466 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1072120000</a> | BCZ 3.81/20/180ZE SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 20, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248830541 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 |

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**Mating connector (fully pluggable)**

|                            |                            | No. of poles: 20, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm²,<br>Box  |                         |   |
|----------------------------|----------------------------|---|-------------------------|---|
| <a href="#">1072040000</a> | BCZ 3.81/13/180ZE SN BK BX | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 13, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm²,<br>Box | 4032248830473 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1236370000</a> | BCZ 3.81/12/180ZE SN OR BX | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 12, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm²         | 4050118021585 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1236380000</a> | BCZ 3.81/13/180ZE SN OR BX | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 13, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm²         | 4050118021738 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1072060000</a> | BCZ 3.81/15/180ZE SN BK BX | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 15, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm²,<br>Box | 4032248830497 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1071960000</a> | BCZ 3.81/06/180ZE SN BK BX | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 6, 180°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm², Box     | 4032248830411 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1236280000</a> | BCZ 3.81/06/180ZE SN OR BX | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 6, 180°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm²          | 4050118021592 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1236390000</a> | BCZ 3.81/14/180ZE SN OR BX | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 14, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm²         | 4050118021493 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1236270000</a> | BCZ 3.81/05/180ZE SN OR BX | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 5, 180°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm²          | 4050118021653 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |

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**OMNIMATE Signal - series BC/SC 3.81  
SC-SMT 3.81/02/180G 3.2SN BK BX**

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**Mating connector (fully pluggable)**

|   |  |                         |   |
|---|--|-------------------------|---|
| <a href="#">1072080000</a> BCZ 3.81/17/180ZE SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 17, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248830510 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1236410000</a> BCZ 3.81/16/180ZE SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 16, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup>       | 4050118021455 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16     |
| <a href="#">1236430000</a> BCZ 3.81/18/180ZE SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 18, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup>       | 4050118021776 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16     |
| <a href="#">1072110000</a> BCZ 3.81/19/180ZE SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 19, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248830534 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1236320000</a> BCZ 3.81/09/180ZE SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 9, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup>        | 4050118021691 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16     |
| <a href="#">1071980000</a> BCZ 3.81/09/180ZE SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 9, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248830435 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1236470000</a> BCZ 3.81/20/180ZE SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 20, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup>       | 4050118021752 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16     |
| <a href="#">1072070000</a> BCZ 3.81/16/180ZE SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 16, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248830503 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1071970000</a> BCZ 3.81/07/180ZE SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 7, 180°, Clamping yoke connection, Clamping   | 4032248830428 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |

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**OMNIMATE Signal - series BC/SC 3.81  
SC-SMT 3.81/02/180G 3.2SN BK BX**

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 Germany  
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 www.weidmueller.com

**Mating connector (fully pluggable)**

|   | range, rated connection,<br>max.: 1.5 mm <sup>2</sup> , Box  |                         |   |
|---|--|-------------------------|---|
| <a href="#">1071950000</a> BCZ 3.81/05/180ZE SN BK BX | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 5, 180°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm <sup>2</sup> , Box     | 4032248830404 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1236400000</a> BCZ 3.81/15/180ZE SN OR BX | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 15, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup>          | 4050118021622 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16     |
| <a href="#">1072090000</a> BCZ 3.81/18/180ZE SN BK BX | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 18, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248830527 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1072010000</a> BCZ 3.81/10/180ZE SN BK BX | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 10, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248830442 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1072050000</a> BCZ 3.81/14/180ZE SN BK BX | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 14, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248830480 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1236300000</a> BCZ 3.81/08/180ZE SN OR BX | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 8, 180°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm <sup>2</sup>           | 4050118021639 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16     |
| <a href="#">1236330000</a> BCZ 3.81/10/180ZE SN OR BX | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 10, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup>          | 4050118021677 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16     |
| <a href="#">1236420000</a> BCZ 3.81/17/180ZE SN OR BX | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 17, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup>          | 4050118021479 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16     |
| <a href="#">1236340000</a> BCZ 3.81/11/180ZE SN OR BX | PCB plug-in connector,<br>female plug, 3.81 mm,  | 4050118021448 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16     |

## OMNIMATE Signal - series BC/SC 3.81 SC-SMT 3.81/02/180G 3.2SN BK BX

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### Mating connector (fully pluggable)

No. of poles: 11, 180°  
Clamping yoke connection,  
Clamping range, rated  
connection, max.: 1.5 mm<sup>2</sup>

|   |   |                         |   |
|---|---|-------------------------|---|
| <a href="#">1236290000</a> BCZ 3.81/07/180ZE SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 7, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> | 4050118021578 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
|---|---|-------------------------|---|

### BCZ 3.81/180



Female socket connectors with clamping-yoke screw system for connecting wires. Three wire-outlet directions are available and provide flexible connection-level design options:

- 180° wire parallel to plugging direction
- 90° wire perpendicular and above plugging direction
- 270° wire perpendicular and below plugging direction

There are three housing shapes, covering many different requirements, to choose from:

- Standard housing without flange
- Flange with screw (F)
- Flange featuring Weidmüller's patented release latch (LR) for lock-and-release latching with no strain and no tools needed.

Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of customary connectors and offer space for labelling and coding.

- 0.20 - 1.5 mm<sup>2</sup> (IEC) / 28 - 16 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

### General ordering data

| Order No.                  | Type                         | Version  | GTIN (EAN)    | Qty.       | Product data  | Packaging |
|----------------------------|------------------------------|--|---------------|------------|---|-----------|
| <a href="#">1816370000</a> | BCZ 3.81/10/180 SN GN PRT BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248306992 | 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |
| <a href="#">1848110000</a> | BCZ 3.81/06/180 SN GN BX PRT | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 6, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248369096 | 150 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |
| <a href="#">1871380000</a> | BCZ 3.81/09/180 SN GN BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 9, 180°, Clamping   | 4032248449989 | 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |

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**OMNIMATE Signal - series BC/SC 3.81**  
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**Mating connector (fully pluggable)**

|   | yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box   |                          |   |
|---|--|--------------------------|---|
| <a href="#">1021630000</a> BCZ 3.81/08/180 SN TGY BX SO | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248775927 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1871390000</a> BCZ 3.81/09/180 SN BK BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 9, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248449996 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940810000</a> BCZ 3.81/10/180 SN OR BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656028 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940970000</a> BCZ 3.81/17/180 SN BK BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 17, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248655878 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940880000</a> BCZ 3.81/17/180 SN OR BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 17, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 50 pc(s).                | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1827060000</a> BCZ 3.81/08/180 SN GN BX PRT | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248331994 100 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1871400000</a> BCZ 3.81/07/180 SN GN BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 7, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248450008 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1871410000</a> BCZ 3.81/07/180 SN BK BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 7, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248450213 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |

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**Mating connector (fully pluggable)**

|   |  |                          |   |
|---|--|--------------------------|---|
| <a href="#">1940950000</a> BCZ 3.81/19/180 SN GN BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 19, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248655892 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1807260000</a> BCZ 3.81/03/180 SN GN BX PRT | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 3, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248278275 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1827030000</a> BCZ 3.81/04/180 SN GN BX PRT | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248331963 180 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1792860000</a> BCZ 3.81/02/180 SN GN BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248226948 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1792850000</a> BCZ 3.81/16/180 SN BK BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 16, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248226931 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940790000</a> BCZ 3.81/08/180 SN OR BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248656042 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940940000</a> BCZ 3.81/18/180 SN GN BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 18, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248655908 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1094960000</a> BCZ 3.81/04/180 SN OR BX PRT | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248866854 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940910000</a> BCZ 3.81/19/180 SN OR BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 19, 180°, Clamping yoke connection,   | 4032248655939 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |

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**Mating connector (fully pluggable)**

|   |   | Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> ,<br>Box |   |
|---|---|--|---|
| <a href="#">1792940000</a> BCZ 3.81/16/180 SN GN BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 16, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248227020 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1807300000</a> BCZ 3.81/06/180 SN GN BX PRT | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 6, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> ,<br>Box  | 4032248278510 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1899510000</a> BCZ 3.81/15/180 SN GN BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 15, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248519415 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940830000</a> BCZ 3.81/12/180 SN OR BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248656004 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940850000</a> BCZ 3.81/14/180 SN OR BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 14, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248655984 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940990000</a> BCZ 3.81/19/180 SN BK BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 19, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248655854 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1827050000</a> BCZ 3.81/06/180 SN GN BX PRT | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 6, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> ,<br>Box  | 4032248331987 150 pc(s).   | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1859170000</a> BCZ 3.81/04/180 SN GN BX PRT | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping  | 4032248411610 180 pc(s).   | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |



**OMNIMATE Signal - series BC/SC 3.81  
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**Mating connector (fully pluggable)**

|                           |                              |  |                         |   |
|---------------------------|------------------------------|--|-------------------------|---|
|                           |                              | range, rated connection,<br>max.: 1.5 mm <sup>2</sup> , Box  |                         |   |
| <a href="#">194080000</a> | BCZ 3.81/09/180 SN OR BX     | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 9, 180°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm <sup>2</sup> , Box     | 4032248656035 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">194084000</a> | BCZ 3.81/13/180 SN OR BX     | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 13, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248655991 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">180732000</a> | BCZ 3.81/14/180 SN GN BX PRT | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 14, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248278534 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">179278000</a> | BCZ 3.81/03/180 SN BK BX     | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 3, 180°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm <sup>2</sup> , Box     | 4032248226764 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">194075000</a> | BCZ 3.81/04/180 SN OR BX     | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 4, 180°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm <sup>2</sup> , Box     | 4032248656080 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">189944000</a> | BCZ 3.81/13/180 SN BK BX     | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 13, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248519347 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">179293000</a> | BCZ 3.81/12/180 SN GN BX     | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 12, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248227013 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">179281000</a> | BCZ 3.81/06/180 SN BK BX     | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 6, 180°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm <sup>2</sup> , Box     | 4032248226795 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |

## OMNIMATE Signal - series BC/SC 3.81 SC-SMT 3.81/02/180G 3.2SN BK BX

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### Mating connector (fully pluggable)

|   |  |                          |   |
|---|--|--------------------------|---|
| <a href="#">1792770000</a> BCZ 3.81/02/180 SN BK BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248226757 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1827040000</a> BCZ 3.81/06/180 SN GN BX PRT | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 6, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248331970 150 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1880200000</a> BCZ 3.81/03/180 SN GN BX PRT | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 3, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248479177 200 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1899520000</a> BCZ 3.81/15/180 SN BK BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 15, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248519422 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1142060000</a> BCZ 3.81/08/180 SN GN BX PRT | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248924882 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1899480000</a> BCZ 3.81/14/180 SN BK BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 14, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248519385 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940740000</a> BCZ 3.81/03/180 SN OR BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 3, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248656097 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940860000</a> BCZ 3.81/15/180 SN OR BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 15, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248655977 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1899390000</a> BCZ 3.81/11/180 SN GN BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 11, 180°, Clamping yoke connection,   | 4032248519293 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |

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**Mating connector (fully pluggable)**

|   | Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> ,<br>Box  |                         |   |
|---|---|-------------------------|---|
| <a href="#">1792830000</a> BCZ 3.81/10/180 SN BK BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248226917 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1792840000</a> BCZ 3.81/12/180 SN BK BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248226924 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1094950000</a> BCZ 3.81/04/180 SN OR BX PRT | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> ,<br>Box  | 4032248867738 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1792820000</a> BCZ 3.81/08/180 SN BK BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> ,<br>Box  | 4032248226801 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940900000</a> BCZ 3.81/18/180 SN OR BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 18, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248655946 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940770000</a> BCZ 3.81/06/180 SN OR BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 6, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> ,<br>Box  | 4032248656066 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1045720000</a> BCZ 3.81/04/180 SN OR BX PRT | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> ,<br>Box  | 4032248779550 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1941000000</a> BCZ 3.81/20/180 SN BK BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 20, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248655847 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |

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**Mating connector (fully pluggable)**

|   |  |                          |   |
|---|--|--------------------------|---|
| <a href="#">1792890000</a> BCZ 3.81/05/180 SN GN BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248226979 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1077880000</a> BCZ 3.81/04/180 SN BK BX PRT | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248837519 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1792870000</a> BCZ 3.81/03/180 SN GN BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 3, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248226955 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940760000</a> BCZ 3.81/05/180 SN OR BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248656073 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1792790000</a> BCZ 3.81/04/180 SN BK BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248226771 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1899430000</a> BCZ 3.81/13/180 SN GN BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 13, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248519330 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1792900000</a> BCZ 3.81/06/180 SN GN BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 6, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248226986 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1848130000</a> BCZ 3.81/08/180 SN GN BX PRT | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248369416 100 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1792920000</a> BCZ 3.81/10/180 SN GN BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248227006 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |

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**Mating connector (fully pluggable)**

|   | connection, max.: 1.5 mm <sup>2</sup> ,<br>Box   |                          |   |
|---|--|--------------------------|---|
| <a href="#">1940920000</a> BCZ 3.81/20/180 SN OR BX     | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 20, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248655922 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1792910000</a> BCZ 3.81/08/180 SN GN BX     | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 8, 180°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm <sup>2</sup> , Box     | 4032248226993 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1899400000</a> BCZ 3.81/11/180 SN BK BX     | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 11, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248519309 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1807270000</a> BCZ 3.81/04/180 SN GN BX PRT | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 4, 180°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm <sup>2</sup> , Box     | 4032248278282 180 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940870000</a> BCZ 3.81/16/180 SN OR BX     | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 16, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248655960 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1965640000</a> BCZ 3.81/05/180 SN BK BX PRT | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 5, 180°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm <sup>2</sup> , Box     | 4032248653515 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940820000</a> BCZ 3.81/11/180 SN OR BX     | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 11, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248656011 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940930000</a> BCZ 3.81/17/180 SN GN BX     | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 17, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248655915 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |

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**Mating connector (fully pluggable)**

|   |  |                          |   |
|---|--|--------------------------|---|
| <a href="#">1142050000</a> BCZ 3.81/05/180 SN GN BX PRT | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248924943 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1899470000</a> BCZ 3.81/14/180 SN GN BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 14, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248519378 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940960000</a> BCZ 3.81/20/180 SN GN BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 20, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248655885 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940780000</a> BCZ 3.81/07/180 SN OR BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 7, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248656059 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1021640000</a> BCZ 3.81/08/180 SN TGY BX SO | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248775910 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1792880000</a> BCZ 3.81/04/180 SN GN BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248226962 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1792800000</a> BCZ 3.81/05/180 SN BK BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248226788 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1848120000</a> BCZ 3.81/06/180 SN GN BX PRT | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 6, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248369102 150 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940730000</a> BCZ 3.81/02/180 SN OR BX     | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping   | 4032248656103 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |

**OMNIMATE Signal - series BC/SC 3.81  
SC-SMT 3.81/02/180G 3.2SN BK BX**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Mating connector (fully pluggable)**

range, rated connection,  
max.: 1.5 mm<sup>2</sup>, Box

|   |  |                         |   |
|---|--|-------------------------|---|
| <a href="#">1940980000</a> BCZ 3.81/18/180 SN BK BX | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 18, 180°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248655861 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
|---|--|-------------------------|---|

**BCZ 3.81/270**


Female socket connectors with clamping-yoke screw system for connecting wires.

Three wire-outlet directions are available and provide flexible connection-level design options:

- 180° wire parallel to plugging direction
- 90° wire perpendicular and above plugging direction
- 270° wire perpendicular and below plugging direction

There are three housing shapes, covering many different requirements, to choose from:

- Standard housing without flange
- Flange with screw (F)
- Flange featuring Weidmüller's patented release latch (LR) for lock-and-release latching with no strain and no tools needed.

Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of customary connectors and offer space for labelling and coding.

- 0.20 - 1.5 mm<sup>2</sup> (IEC) / 28 - 16 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

**General ordering data**

| Order No.                  | Type                     | Version  | GTIN (EAN)    | Qty.      | Product data  | Packaging |
|----------------------------|--------------------------|--|---------------|-----------|---|-----------|
| <a href="#">1940330000</a> | BCZ 3.81/16/270 SN OR BX | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 16, 270°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248656509 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |
| <a href="#">1799010000</a> | BCZ 3.81/02/270 SN GN BX | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 2, 270°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm <sup>2</sup> , Box     | 4032248243808 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |
| <a href="#">1799090000</a> | BCZ 3.81/16/270 SN GN BX | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 16, 270°,<br>Clamping yoke connection,  | 4032248243983 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |

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**Mating connector (fully pluggable)**

|   |  | Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> ,<br>Box |   |
|---|--|--|---|
| <a href="#">1798170000</a> BCZ 3.81/08/270 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 8, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248241361 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940280000</a> BCZ 3.81/11/270 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 11, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656554 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798160000</a> BCZ 3.81/03/270 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 3, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248241354 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1799050000</a> BCZ 3.81/06/270 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 6, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248243945 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940270000</a> BCZ 3.81/10/270 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 10, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656561 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940220000</a> BCZ 3.81/05/270 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248656615 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1799000000</a> BCZ 3.81/16/270 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 16, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248243792 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798960000</a> BCZ 3.81/05/270 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248243747 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |



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**Mating connector (fully pluggable)**

|   |  |                         |   |
|---|--|-------------------------|---|
| <a href="#">1940440000</a> BCZ 3.81/14/270 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 14, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656394 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940210000</a> BCZ 3.81/04/270 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248656622 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798980000</a> BCZ 3.81/10/270 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 10, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248243761 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940290000</a> BCZ 3.81/12/270 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 12, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656547 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940350000</a> BCZ 3.81/09/270 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 9, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248656486 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940390000</a> BCZ 3.81/15/270 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 15, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656448 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940310000</a> BCZ 3.81/14/270 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 14, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656523 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798990000</a> BCZ 3.81/12/270 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 12, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248243778 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |

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**Mating connector (fully pluggable)**

|   |  |                         |   |
|---|--|-------------------------|---|
| <a href="#">1940340000</a> BCZ 3.81/07/270 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 7, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248656493 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1799040000</a> BCZ 3.81/05/270 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248243938 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940380000</a> BCZ 3.81/14/270 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 14, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656455 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1799070000</a> BCZ 3.81/10/270 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 10, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248243969 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940260000</a> BCZ 3.81/09/270 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 9, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248656578 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940190000</a> BCZ 3.81/02/270 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248656646 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798940000</a> BCZ 3.81/02/270 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248243723 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940450000</a> BCZ 3.81/15/270 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 15, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656387 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940410000</a> BCZ 3.81/09/270 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 9, 270°, Clamping yoke connection, Clamping   | 4032248656424 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |

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**Mating connector (fully pluggable)**

|                            |                          |  |                         |   |
|----------------------------|--------------------------|--|-------------------------|---|
|                            |                          | range, rated connection,<br>max.: 1.5 mm <sup>2</sup> , Box  |                         |   |
| <a href="#">1940250000</a> | BCZ 3.81/08/270 SN OR BX | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 8, 270°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm <sup>2</sup> , Box     | 4032248656585 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940200000</a> | BCZ 3.81/03/270 SN OR BX | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 3, 270°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm <sup>2</sup> , Box     | 4032248656639 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940360000</a> | BCZ 3.81/11/270 SN GN BX | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 11, 270°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248656479 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1799080000</a> | BCZ 3.81/12/270 SN GN BX | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 12, 270°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248243976 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940420000</a> | BCZ 3.81/11/270 SN BK BX | PCB plug-in connector,<br>female plug, 3.81 mm,<br>No. of poles: 11, 270°,<br>Clamping yoke connection,<br>Clamping range, rated<br>connection, max.: 1.5 mm <sup>2</sup> ,<br>Box | 4032248656417 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798950000</a> | BCZ 3.81/04/270 SN BK BX | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 4, 270°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm <sup>2</sup> , Box     | 4032248243730 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1799020000</a> | BCZ 3.81/03/270 SN GN BX | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 3, 270°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm <sup>2</sup> , Box     | 4032248243914 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940230000</a> | BCZ 3.81/06/270 SN OR BX | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 6, 270°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm <sup>2</sup> , Box     | 4032248656608 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1799030000</a> | BCZ 3.81/04/270 SN GN BX | PCB plug-in connector,<br>female plug, 3.81 mm, No.  | 4032248243921 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |

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**Mating connector (fully pluggable)**

|   | of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box   |                         |   |
|---|--|-------------------------|---|
| <a href="#">1940300000</a> BCZ 3.81/13/270 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 13, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656530 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940370000</a> BCZ 3.81/13/270 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 13, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656462 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1799060000</a> BCZ 3.81/08/270 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 8, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248243952 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940240000</a> BCZ 3.81/07/270 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 7, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248656592 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940430000</a> BCZ 3.81/13/270 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 13, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656400 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940400000</a> BCZ 3.81/07/270 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 7, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248656431 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1940320000</a> BCZ 3.81/15/270 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 15, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656516 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798970000</a> BCZ 3.81/06/270 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 6, 270°, Clamping yoke connection, Clamping   | 4032248243754 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |

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**Mating connector (fully pluggable)**

range, rated connection,  
max.: 1.5 mm<sup>2</sup>, Box

**BCZ 3.81/90**


Female socket connectors with clamping-yoke screw system for connecting wires.

Three wire-outlet directions are available and provide flexible connection-level design options:

- 180° wire parallel to plugging direction
- 90° wire perpendicular and above plugging direction
- 270° wire perpendicular and below plugging direction

There are three housing shapes, covering many different requirements, to choose from:

- Standard housing without flange
- Flange with screw (F)
- Flange featuring Weidmüller's patented release latch (LR) for lock-and-release latching with no strain and no tools needed.

Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of customary connectors and offer space for labelling and coding.

- 0.20 - 1.5 mm<sup>2</sup> (IEC) / 28 - 16 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

**General ordering data**

| Order No.                  | Type                    | Version   | GTIN (EAN)    | Qty.      | Product data  | Packaging |
|----------------------------|-------------------------|---|---------------|-----------|---|-----------|
| <a href="#">1798130000</a> | BCZ 3.81/08/90 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248241323 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |
| <a href="#">1798570000</a> | BCZ 3.81/05/90 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248243228 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |
| <a href="#">1899380000</a> | BCZ 3.81/11/90 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 11, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248519286 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |
| <a href="#">1939910000</a> | BCZ 3.81/10/90 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656912 | 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 28 - AWG 16 | Box       |

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Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Mating connector (fully pluggable)**

|  |   |                         |   |
|--|---|-------------------------|---|
| <a href="#">1798770000</a> BCZ 3.81/16/90 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 16, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248243457 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1899450000</a> BCZ 3.81/14/90 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 14, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248519354 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1899420000</a> BCZ 3.81/13/90 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 13, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248519323 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1899490000</a> BCZ 3.81/15/90 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 15, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248519392 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1939860000</a> BCZ 3.81/05/90 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248656967 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1939920000</a> BCZ 3.81/11/90 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 11, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656905 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798660000</a> BCZ 3.81/16/90 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 16, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248243266 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798550000</a> BCZ 3.81/04/90 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248243211 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1939890000</a> BCZ 3.81/08/90 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248656936 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |

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**Mating connector (fully pluggable)**

|  |   |                         |   |
|--|---|-------------------------|---|
| <a href="#">1798610000</a> BCZ 3.81/10/90 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248243242 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1858960000</a> BCZ 3.81/07/90 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 7, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248410576 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798120000</a> BCZ 3.81/03/90 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 3, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248241316 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1899500000</a> BCZ 3.81/15/90 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 15, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248519408 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798630000</a> BCZ 3.81/12/90 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248243259 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798730000</a> BCZ 3.81/06/90 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 6, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248243419 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1939830000</a> BCZ 3.81/03/90 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 3, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248653959 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1939820000</a> BCZ 3.81/02/90 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248653966 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1939940000</a> BCZ 3.81/13/90 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 13, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656882 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |

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**Mating connector (fully pluggable)**

|  |   |                         |   |
|--|---|-------------------------|---|
| <a href="#">1899460000</a> BCZ 3.81/14/90 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 14, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248519361 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1939900000</a> BCZ 3.81/09/90 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 9, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248656929 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798710000</a> BCZ 3.81/04/90 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248243297 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798680000</a> BCZ 3.81/02/90 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248243273 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798720000</a> BCZ 3.81/05/90 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248243303 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1899370000</a> BCZ 3.81/11/90 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 11, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248519279 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1939880000</a> BCZ 3.81/07/90 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 7, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248656943 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1899410000</a> BCZ 3.81/13/90 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 13, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248519316 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798750000</a> BCZ 3.81/10/90 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248243433 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |



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**Mating connector (fully pluggable)**

|  |   |                          |   |
|--|---|--------------------------|---|
| <a href="#">1939970000</a> BCZ 3.81/16/90 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 16, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 403224865685 1 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1939870000</a> BCZ 3.81/06/90 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 6, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248656950 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798690000</a> BCZ 3.81/03/90 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 3, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248243280 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798500000</a> BCZ 3.81/02/90 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248243006 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798760000</a> BCZ 3.81/12/90 SN GN BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248243440 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798590000</a> BCZ 3.81/06/90 SN BK BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 6, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248243235 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1939840000</a> BCZ 3.81/04/90 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box  | 4032248653942 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1939960000</a> BCZ 3.81/15/90 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 15, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656868 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1939930000</a> BCZ 3.81/12/90 SN OR BX | PCB plug-in connector, female plug, 3.81 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box | 4032248656899 50 pc(s).  | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |

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**Mating connector (fully pluggable)**

|  |  |                         |   |
|--|--|-------------------------|---|
| <a href="#">1939950000</a> BCZ 3.81/14/90 SN OR BX | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 14, 90°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm <sup>2</sup> , Box | 4032248656875 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |
| <a href="#">1798740000</a> BCZ 3.81/08/90 SN GN BX | PCB plug-in connector,<br>female plug, 3.81 mm, No.<br>of poles: 8, 90°, Clamping<br>yoke connection, Clamping<br>range, rated connection,<br>max.: 1.5 mm <sup>2</sup> , Box  | 4032248243426 50 pc(s). | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box<br>UL: 300 V / 10 A / AWG 28 - AWG 16 |

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**Accessories**

**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**

| Order No.                  | Type                 | Version   | GTIN (EAN)    | Qty.       | Product data |
|----------------------------|----------------------|---|---------------|------------|--------------|
| <a href="#">1968900000</a> | SC-SMT 3.81 KO GY BX | PCB plug-in connector, Accessories, Coding element, Grey, No. of poles: 6 | 4032248772865 | 100 pc(s). |              |