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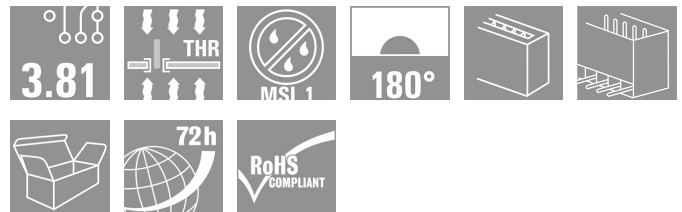
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## OMNIMATE Signal - series BC/SC 3.81 SC-SMT 3.81/02/180G 3.2SN BK BX

**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 UL: 300 V / 10 A
Packaging	Box

Creation date April 9, 2013 10:37:42 PM CEST

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SC-SMT 3.81/02/180G 3.2SN BK BX**

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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...**

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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

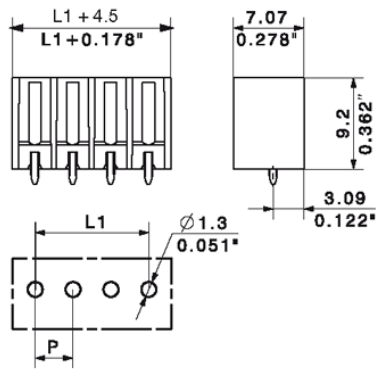


ROHS

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> 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> 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> 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> 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> 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> 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> 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> 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> 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:

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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> 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> 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> 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:

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- 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> 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> 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> 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> 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> UL: 300 V / 10 A / AWG 28 - AWG 16

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**Mating connector (fully pluggable)**

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

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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 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> 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> 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 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> 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 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> 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 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 UL: 300 V / 10 A / AWG 28 - AWG 16

Creation date April 9, 2013 10:37:43 PM CEST

Catalogue status 12.03.2013 / We reserve the right to make technical changes.

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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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Fon: +49 5231 14-0  
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**Mating connector (fully pluggable)**

	range, rated connection, max.: 1.5 mm <sup>2</sup> , Box		
<a href="#">1071950000</a> BCZ 3.81/05/180ZE 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	4032248830404 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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, female plug, 3.81 mm, No. of poles: 15, 180°, Clamping yoke connection, Clamping range, rated 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> 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, 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	4032248830527 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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, 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	4032248830442 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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, 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	4032248830480 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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, female plug, 3.81 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, 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> 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, female plug, 3.81 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated 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> 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, female plug, 3.81 mm, No. of poles: 17, 180°, Clamping yoke connection, Clamping range, rated 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> 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, female plug, 3.81 mm,	4050118021448 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> UL: 300 V / 10 A / AWG 28 - AWG 16

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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> UL: 300 V / 10 A / AWG 28 - AWG 16
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**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> 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> 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> UL: 300 V / 10 A / AWG 28 - AWG 16	Box

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

**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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 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 UL: 300 V / 10 A / AWG 28 - AWG 16



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

		Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , 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> , Box	4032248227020 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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> , Box	4032248278510 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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> , Box	4032248519415 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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> , Box	4032248656004 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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> , Box	4032248655984 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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> , Box	4032248655854 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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> , Box	4032248331987 150 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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 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, max.: 1.5 mm <sup>2</sup> , Box		
<a href="#">194080000</a>	BCZ 3.81/09/180 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> , Box	4032248656035 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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, 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	4032248655991 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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, 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	4032248278534 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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, 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	4032248226764 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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, 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	4032248656080 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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, 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	4032248519347 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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, 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	4032248227013 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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, 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	4032248226795 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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 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 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 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 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 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 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 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 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 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)**

	Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , 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> , Box	4032248226917 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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> , Box	4032248226924 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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> , Box	4032248867738 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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> , Box	4032248226801 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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> , Box	4032248655946 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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> , Box	4032248656066 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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> , Box	4032248779550 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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> , Box	4032248655847 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box UL: 300 V / 10 A / AWG 28 - AWG 16

**OMNIMATE Signal - series BC/SC 3.81  
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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 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 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 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 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 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 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 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 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 UL: 300 V / 10 A / AWG 28 - AWG 16

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

		connection, max.: 1.5 mm <sup>2</sup> , Box	
<a href="#">1940920000</a> BCZ 3.81/20/180 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> , Box	4032248655922 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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, 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	4032248226993 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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, 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	4032248519309 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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, 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	4032248278282 180 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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, 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	4032248655960 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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, 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	4032248653515 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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, 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	4032248656011 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box 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, 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	4032248655915 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box UL: 300 V / 10 A / AWG 28 - AWG 16

**OMNIMATE Signal - series BC/SC 3.81  
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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 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 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 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 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 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 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 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 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 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

<a href="#">1940980000</a> BCZ 3.81/18/180 SN BK 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	4032248655861 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> Box UL: 300 V / 10 A / AWG 28 - AWG 16
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**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, 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	4032248656509	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> 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, 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	4032248243808	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> 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, female plug, 3.81 mm, No. of poles: 16, 270°, Clamping yoke connection,	4032248243983	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm <sup>2</sup> UL: 300 V / 10 A / AWG 28 - AWG 16	Box



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

		Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , 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 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 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 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 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 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 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 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 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="#">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 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 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 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 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 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 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 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 UL: 300 V / 10 A / AWG 28 - AWG 16