

OMNIMATE Signal - series BC/SC 3.81
SC-SMT 3.81/02/180G 3.2SN BK BX
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

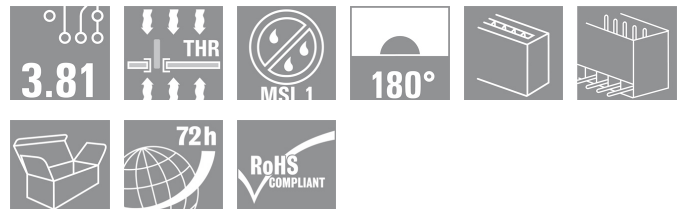
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www.weidmueller.com



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.	1862920000
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

OMNIMATE Signal - series BC/SC 3.81 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	OMNIMATE Signal - series BC/SC 3.81	Mounting onto the PCB	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 ³ 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 1 s 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

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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

OMNIMATE Signal - series BC/SC 3.81
SC-SMT 3.81/02/180G 3.2SN BK BX**Weidmüller Interface GmbH & Co. KG**

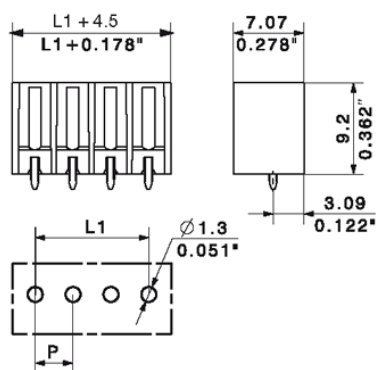
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www.weidmueller.com**Drawings**

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

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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 mm² (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
1798850000	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 ² , Box	4032248243532	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1798780000	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 ² , Box	4032248243464	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1939980000	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 ² , Box	4032248656844	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² 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 mm² (IEC) / 28 - 16 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

General ordering data

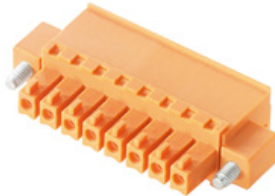
Order No.	Type	Version	GTIN (EAN)	Qty.	Product data	Packaging
1941590000	BCZ 3.81/02/180LR SN GN BX	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248698516	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 -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

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- 0.20 - 1.5 mm² (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
1940460000	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 ² , Box	4032248656370	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1799100000	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 ² , Box	4032248243990	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1799170000	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 ² , Box	4032248244065	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² 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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- 0.20 - 1.5 mm² (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
1792950000	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 ² , Box	4032248227037	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1793040000	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 ² , Box	4032248227129	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1941010000	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 ² , Box	4032248655830	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² 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 mm² (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
1236440000	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 ²	4050118021721	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16
1941970000	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 ² , Box	4032248698783	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16
1072020000	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 ² , Box	4032248830459	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16
1072030000	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 ² , Box	4032248830466	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16
1072120000	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 ² , Box	4032248830541	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² 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		
1072040000 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 Box UL: 300 V / 10 A / AWG 28 - AWG 16
1236370000 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
1236380000 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
1072060000 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 Box UL: 300 V / 10 A / AWG 28 - AWG 16
1071960000 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 Box UL: 300 V / 10 A / AWG 28 - AWG 16
1236280000 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
1236390000 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
1236270000 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)

1072080000 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 ² , Box	4032248830510 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1236410000 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 ²	4050118021455 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16
1236430000 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 ²	4050118021776 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16
1072110000 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 ² , Box	4032248830534 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1236320000 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 ²	4050118021691 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16
1071980000 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 ² , Box	4032248830435 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1236470000 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 ²	4050118021752 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16
1072070000 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 ² , Box	4032248830503 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1071970000 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 ² 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 ² , Box		
1071950000 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 ² , Box	4032248830404 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1236400000 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 ²	4050118021622 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16
1072090000 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 ² , Box	4032248830527 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1072010000 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 ² , Box	4032248830442 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1072050000 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 ² , Box	4032248830480 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1236300000 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 ²	4050118021639 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16
1236330000 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 ²	4050118021677 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16
1236420000 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 ²	4050118021479 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16
1236340000 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 ² 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 mm²

1236290000 BCZ 3.81/07/180ZE SN OR BX	PCB plug-in connector, 4050118021578 50 pc(s). female plug, 3.81 mm, No. of poles: 7, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ²	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² 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 mm² (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
1816370000	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 ² , Box	4032248306992	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1848110000	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 ² , Box	4032248369096	150 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1871380000	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 ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box

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)

	yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box		
1021630000 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 ² , Box	4032248775927 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1871390000 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 ² , Box	4032248449996 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940810000 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 ² , Box	4032248656028 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940970000 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 ² , Box	4032248655878 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940880000 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 ² , Box	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1827060000 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 ² , Box	4032248331994 100 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1871400000 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 ² , Box	4032248450008 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1871410000 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 ² , Box	4032248450213 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² 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)

1940950000 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 mm², Box	4032248655892 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1807260000 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 mm², Box	4032248278275 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1827030000 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 mm², Box	4032248331963 180 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1792860000 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 mm², Box	4032248226948 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1792850000 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 mm², Box	4032248226931 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1940790000 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 mm², Box	4032248656042 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1940940000 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 mm², Box	4032248655908 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1094960000 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 mm², Box	4032248866854 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1940910000 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 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box

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 ² , Box		
1792940000 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 ² , Box	4032248227020 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1807300000 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 ² , Box	4032248278510 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1899510000 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 ² , Box	4032248519415 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940830000 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 ² , Box	4032248656004 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940850000 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 ² , Box	4032248655984 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940990000 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 ² , Box	4032248655854 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1827050000 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 ² , Box	4032248331987 150 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1859170000 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 ² 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)

	range, rated connection, max.: 1.5 mm ² , Box		
1940800000 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 ² , Box	4032248656035 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940840000 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 ² , Box	4032248655991 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1807320000 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 ² , Box	4032248278534 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1792780000 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 ² , Box	4032248226764 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940750000 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 ² , Box	4032248656080 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1899440000 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 ² , Box	4032248519347 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1792930000 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 ² , Box	4032248227013 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1792810000 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 ² , Box	4032248226795 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² 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)

1792770000 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 mm², Box	4032248226757 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1827040000 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 mm², Box	4032248331970 150 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1880200000 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 mm², Box	4032248479177 200 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1899520000 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 mm², Box	4032248519422 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1142060000 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 mm², Box	4032248924882 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1899480000 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 mm², Box	4032248519385 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1940740000 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 mm², Box	4032248656097 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1940860000 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 mm², Box	4032248655977 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1899390000 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 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box

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 ² , Box		
1792830000 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 ² , Box	4032248226917 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1792840000 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 ² , Box	4032248226924 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1094950000 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 ² , Box	4032248867738 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1792820000 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 ² , Box	4032248226801 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940900000 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 ² , Box	4032248655946 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940770000 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 ² , Box	4032248656066 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1045720000 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 ² , Box	4032248779550 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1941000000 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 ² , Box	4032248655847 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² 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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www.weidmueller.com

Mating connector (fully pluggable)

1792890000 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 mm², Box	4032248226979 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1077880000 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 mm², Box	4032248837519 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1792870000 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 mm², Box	4032248226955 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1940760000 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 mm², Box	4032248656073 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1792790000 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 mm², Box	4032248226771 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1899430000 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 mm², Box	4032248519330 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1792900000 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 mm², Box	4032248226986 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1848130000 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 mm², Box	4032248369416 100 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1792920000 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 mm², Box	4032248227006 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box

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)

	connection, max.: 1.5 mm ² , Box		
1940920000 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 ² , Box	4032248655922 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1792910000 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 ² , Box	4032248226993 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1899400000 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 ² , Box	4032248519309 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1807270000 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 ² , Box	4032248278282 180 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940870000 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 ² , Box	4032248655960 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1965640000 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 ² , Box	4032248653515 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940820000 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 ² , Box	4032248656011 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940930000 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 ² , Box	4032248655915 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² 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)

1142050000 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 ² , Box	4032248924943 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1899470000 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 ² , Box	4032248519378 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940960000 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 ² , Box	4032248655885 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940780000 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 ² , Box	4032248656059 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1021640000 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 ² , Box	4032248775910 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1792880000 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 ² , Box	4032248226962 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1792800000 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 ² , Box	4032248226788 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1848120000 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 ² , Box	4032248369102 150 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940730000 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 ² 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)

range, rated connection,
max.: 1.5 mm², Box

1940980000 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 ² , Box	4032248655861 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² 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 mm² (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
1940330000	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 ² , Box	4032248656509 50 pc(s).		IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1799010000	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 ² , Box	4032248243808 50 pc(s).		IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1799090000	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 ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box

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 ² , Box		
1798170000 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 ² , Box	4032248241361 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940280000 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 ² , Box	4032248656554 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1798160000 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 ² , Box	4032248241354 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1799050000 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 ² , Box	4032248243945 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940270000 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 ² , Box	4032248656561 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940220000 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 ² , Box	4032248656615 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1799000000 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 ² , Box	4032248243792 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1798960000 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 ² , Box	4032248243747 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² 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)

1940440000 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 mm², Box	4032248656394 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1940210000 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 mm², Box	4032248656622 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1798980000 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 mm², Box	4032248243761 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1940290000 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 mm², Box	4032248656547 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1940350000 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 mm², Box	4032248656486 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1940390000 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 mm², Box	4032248656448 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1940310000 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 mm², Box	4032248656523 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1798990000 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 mm², Box	4032248243778 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box

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)

1940340000 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 mm², Box	4032248656493 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1799040000 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 mm², Box	4032248243938 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1940380000 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 mm², Box	4032248656455 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1799070000 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 mm², Box	4032248243969 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1940260000 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 mm², Box	4032248656578 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1940190000 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 mm², Box	4032248656646 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1798940000 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 mm², Box	4032248243723 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1940450000 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 mm², Box	4032248656387 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1940410000 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 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box

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Mating connector (fully pluggable)

	range, rated connection, max.: 1.5 mm ² , Box		
1940250000 BCZ 3.81/08/270 SN OR 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 ² , Box	4032248656585 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940200000 BCZ 3.81/03/270 SN OR 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 ² , Box	4032248656639 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940360000 BCZ 3.81/11/270 SN GN 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 ² , Box	4032248656479 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1799080000 BCZ 3.81/12/270 SN GN 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 ² , Box	4032248243976 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940420000 BCZ 3.81/11/270 SN BK 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 ² , Box	4032248656417 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1798950000 BCZ 3.81/04/270 SN BK 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 ² , Box	4032248243730 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1799020000 BCZ 3.81/03/270 SN GN 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 ² , Box	4032248243914 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940230000 BCZ 3.81/06/270 SN OR 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 ² , Box	4032248656608 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1799030000 BCZ 3.81/04/270 SN GN BX	PCB plug-in connector, female plug, 3.81 mm, No.	4032248243921 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² 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)

	of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm², Box		
1940300000 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 mm², Box	4032248656530 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940370000 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 mm², Box	4032248656462 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1799060000 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 mm², Box	4032248243952 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940240000 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 mm², Box	4032248656592 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940430000 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 mm², Box	4032248656400 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940400000 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 mm², Box	4032248656431 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1940320000 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 mm², Box	4032248656516 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1798970000 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 mm² 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)

range, rated connection,
max.: 1.5 mm², 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 mm² (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
1798130000	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 ² , Box	4032248241323	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1798570000	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 ² , Box	4032248243228	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1899380000	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 ² , Box	4032248519286	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1939910000	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 ² , Box	4032248656912	50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16	Box

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Mating connector (fully pluggable)

1798770000 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 mm², Box	4032248243457 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1899450000 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 mm², Box	4032248519354 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1899420000 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 mm², Box	4032248519323 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1899490000 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 mm², Box	4032248519392 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1939860000 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 mm², Box	4032248656967 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1939920000 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 mm², Box	4032248656905 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1798660000 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 mm², Box	4032248243266 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1798550000 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 mm², Box	4032248243211 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1939890000 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 mm², Box	4032248656936 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box

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Mating connector (fully pluggable)

1798610000 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 mm², Box	4032248243242 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1858960000 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 mm², Box	4032248410576 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1798120000 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 mm², Box	4032248241316 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1899500000 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 mm², Box	4032248519408 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1798630000 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 mm², Box	4032248243259 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1798730000 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 mm², Box	4032248243419 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1939830000 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 mm², Box	4032248653959 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1939820000 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 mm², Box	4032248653966 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1939940000 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 mm², Box	4032248656882 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box

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Mating connector (fully pluggable)

1899460000 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 mm², Box	4032248519361 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1939900000 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 mm², Box	4032248656929 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1798710000 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 mm², Box	4032248243297 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1798680000 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 mm², Box	4032248243273 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1798720000 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 mm², Box	4032248243303 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1899370000 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 mm², Box	4032248519279 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1939880000 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 mm², Box	4032248656943 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1899410000 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 mm², Box	4032248519316 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1798750000 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 mm², Box	4032248243433 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box

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)

1939970000 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 mm², Box	4032248656851 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1939870000 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 mm², Box	4032248656950 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1798690000 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 mm², Box	4032248243280 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1798500000 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 mm², Box	4032248243006 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1798760000 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 mm², Box	4032248243440 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1798590000 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 mm², Box	4032248243235 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1939840000 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 mm², Box	4032248653942 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1939960000 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 mm², Box	4032248656868 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box
1939930000 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 mm², Box	4032248656899 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16	Box

**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)

1939950000 BCZ 3.81/14/90 SN OR 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 ² , Box	4032248656875 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
1798740000 BCZ 3.81/08/90 SN GN 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 ² , Box	4032248243426 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box 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
1968900000	SC-SMT 3.81 KO GY BX	PCB plug-in connector, Accessories, Coding element, Grey, No. of poles: 6	4032248772865	100 pc(s).	