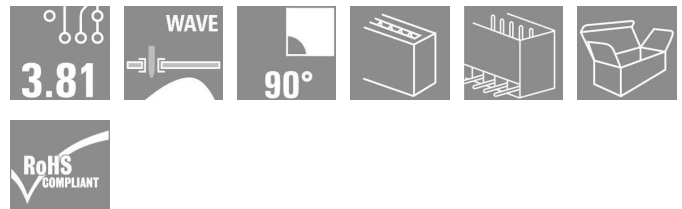


OMNIMATE Signal - series BC/SC 3.81 SC 3.81/02/90G 3.2SN BK BX

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



The SC pin header has a parallel (recumbent) plugging direction in relation to the PCB. It is available in closed (G) and screw flange (F) versions.

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

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

General ordering data

Type	SC 3.81/02/90G 3.2SN BK BX
Order No.	1793130000
Version	PCB plug-in connector, male header, closed side, Solder connection, 3.81 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box
GTIN (EAN)	4032248227624
Qty.	50 pc(s).
Product data	IEC: 320 V / 17.5 A UL: 300 V / 10 A
Packaging	Box

**OMNIMATE Signal - series BC/SC 3.81
SC 3.81/02/90G 3.2SN BK BX**

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

Technical data
Dimensions and weights

Net weight 0.68 g

System parameters

Product family	OMNIMATE Signal - series BC/SC 3.81	Mounting onto the PCB	Solder connection
Outgoing elbow	90°	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 solder pins per pole	1
Solder eyelet hole diameter (D)	1.2 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 ⁶ 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	PA GF	Colour	Black
Insulating material group	II	UL 94 flammability rating	V-0
CTI	≥ 550	Contact material	Cu-Leg
Contact surface	tinned	Max. relative humidity during storage	93 %

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)	17.5 A
Rated current, number of poles (Tu=40°C), min	17.5 A	Rated current, number of poles (Tu=40°C), max.	16.3 A
Rated voltage for surge voltage class pollution degree III/3	160 V	Rated impulse voltage for surge voltage classcontamination degree III/3	2.5 kV
Rated voltage for surge voltage class pollution degree III/2	160 V	Rated impulse voltage for surge voltage classpollution degree III/2	2.5 kV
Rated voltage for surge voltage class pollution degree II/2	320 V	Rated impulse voltage for surge voltage classpollution degree II/2	2.5 kV
Short-time withstand current resistance	3 x 1s with 76 A		

CSA 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

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

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

Data sheet...**OMNIMATE Signal - series BC/SC 3.81
SC 3.81/02/90G 3.2SN BK BX**

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

Technical data**Notes**

Notes

- Additional colours on request
- 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



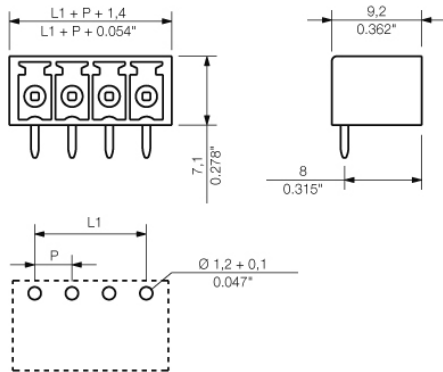
ROHS

Conform

OMNIMATE Signal - series BC/SC 3.81
SC 3.81/02/90G 3.2SN BK BX

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

Drawings



OMNIMATE Signal - series BC/SC 3.81 SC 3.81/02/90G 3.2SN BK BX

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

Mating connector (fully pluggable)

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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BCZ 3.81/10/270 SN BK BX	1798980000	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	4032248243761	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
BCZ 3.81/10/270 SN GN BX	1799070000	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	4032248243969	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
BCZ 3.81/07/270 SN OR BX	1940240000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 7, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248656592	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
BCZ 3.81/03/270 SN GN BX	1799020000	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 UL: 300 V / 10 A / AWG 28 - AWG 16	Box

OMNIMATE Signal - series BC/SC 3.81 SC 3.81/02/90G 3.2SN BK BX

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

Mating connector (fully pluggable)

BCZ 3.81/09/270 SN OR BX	1940260000	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 ² , Box	4032248656578 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
BCZ 3.81/15/270 SN BK BX	1940450000	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 ² , Box	4032248656387 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
BCZ 3.81/08/270 SN BK BX	1798170000	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
BCZ 3.81/07/270 SN BK BX	1940400000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 7, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248656431 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
BCZ 3.81/08/270 SN GN BX	1799060000	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	4032248243952 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
BCZ 3.81/09/270 SN BK BX	1940410000	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 ² , Box	4032248656424 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
BCZ 3.81/12/270 SN GN BX	1799080000	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
BCZ 3.81/02/270 SN GN BX	1799010000	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 Box UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/08/270 SN OR BX	1940250000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 8, 270°, Clamping yoke connection, Clamping	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

**OMNIMATE Signal - series BC/SC 3.81
SC 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

		range, rated connection, max.: 1.5 mm ² , Box		
BCZ 3.81/11/270 SN GN BX	1940360000	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
BCZ 3.81/11/270 SN BK BX	1940420000	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
BCZ 3.81/16/270 SN OR BX	1940330000	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 Box UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/14/270 SN BK BX	1940440000	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 ² , Box	4032248656394 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
BCZ 3.81/03/270 SN BK BX	1798160000	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
BCZ 3.81/13/270 SN GN BX	1940370000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 13, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248656462 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
BCZ 3.81/04/270 SN OR BX	1940210000	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	4032248656622 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
BCZ 3.81/12/270 SN BK BX	1798990000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 12, 270°, Clamping yoke connection, Clamping range, rated	4032248243778 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 3.81/02/90G 3.2SN BK BX

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

Mating connector (fully pluggable)

		connection, max.: 1.5 mm ² , Box	
BCZ 3.81/06/270 SN OR BX	1940230000	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
BCZ 3.81/06/270 SN BK BX	1798970000	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	4032248243754 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
BCZ 3.81/10/270 SN OR BX	1940270000	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
BCZ 3.81/13/270 SN BK BX	1940430000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 13, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248656400 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
BCZ 3.81/11/270 SN OR BX	1940280000	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
BCZ 3.81/05/270 SN OR BX	1940220000	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
BCZ 3.81/02/270 SN OR BX	1940190000	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	4032248656646 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
BCZ 3.81/14/270 SN OR BX	1940310000	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 ² , Box	4032248656523 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 3.81/02/90G 3.2SN BK BX

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

Mating connector (fully pluggable)

BCZ 3.81/04/270 SN GN BX	1799030000	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	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
BCZ 3.81/05/270 SN GN BX	1799040000	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	4032248243938 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
BCZ 3.81/15/270 SN OR BX	1940320000	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 ² , Box	4032248656516 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
BCZ 3.81/16/270 SN GN BX	1799090000	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	4032248243983 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
BCZ 3.81/09/270 SN GN BX	1940350000	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 ² , Box	4032248656486 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
BCZ 3.81/06/270 SN GN BX	1799050000	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
BCZ 3.81/14/270 SN GN BX	1940380000	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 ² , Box	4032248656455 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
BCZ 3.81/03/270 SN OR BX	1940200000	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
BCZ 3.81/16/270 SN BK BX	1799000000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 16, 270°, Clamping yoke connection,	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

**OMNIMATE Signal - series BC/SC 3.81
SC 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

		Clamping range, rated connection, max.: 1.5 mm ² , Box	
BCZ 3.81/12/270 SN OR BX	1940290000	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	4032248656547 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
BCZ 3.81/07/270 SN GN BX	1940340000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 7, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248656493 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
BCZ 3.81/04/270 SN BK BX	1798950000	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 UL: 300 V / 10 A / AWG 28 - AWG 16 Box
BCZ 3.81/05/270 SN BK BX	1798960000	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 UL: 300 V / 10 A / AWG 28 - AWG 16 Box
BCZ 3.81/02/270 SN BK BX	1798940000	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	4032248243723 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
BCZ 3.81/15/270 SN GN BX	1940390000	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 ² , Box	4032248656448 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
BCZ 3.81/13/270 SN OR BX	1940300000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 13, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248656530 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 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)
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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BCZ 3.81/15/180 SN OR BX	1940860000	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	4032248655977	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
BCZ 3.81/03/180 SN GN BX PRT	1807260000	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	4032248278275	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
BCZ 3.81/11/180 SN GN BX	1899390000	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	4032248519293	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
BCZ 3.81/09/180 SN OR BX	1940800000	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 UL: 300 V / 10 A / AWG 28 - AWG 16	Box

**OMNIMATE Signal - series BC/SC 3.81
SC 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

BCZ 3.81/04/180 SN OR BX	1940750000	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
BCZ 3.81/05/180 SN BK BX PRT	1965640000	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
BCZ 3.81/17/180 SN OR BX	1940880000	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
BCZ 3.81/07/180 SN OR BX	1940780000	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
BCZ 3.81/03/180 SN GN BX	1792870000	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	4032248226955 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
BCZ 3.81/06/180 SN BK BX	1792810000	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
BCZ 3.81/04/180 SN GN BX	1792880000	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
BCZ 3.81/18/180 SN BK BX	1940980000	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
BCZ 3.81/11/180 SN OR BX	1940820000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 11, 180°, Clamping yoke connection, Clamping range, rated	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

**OMNIMATE Signal - series BC/SC 3.81
SC 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

		connection, max.: 1.5 mm ² , Box	
BCZ 3.81/06/180 SN GN BX PRT	1848110000	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 Box UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/16/180 SN GN BX	1792940000	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
BCZ 3.81/12/180 SN BK BX	1792840000	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
BCZ 3.81/13/180 SN BK BX	1899440000	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
BCZ 3.81/15/180 SN GN BX	1899510000	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
BCZ 3.81/20/180 SN GN BX	1940960000	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
BCZ 3.81/06/180 SN GN BX PRT	1848120000	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
BCZ 3.81/14/180 SN BK BX	1899480000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 14, 180°, Clamping yoke connection, Clamping range, rated	4032248519385 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 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

		connection, max.: 1.5 mm ² , Box	
BCZ 3.81/14/180 SN OR BX	1940850000	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
BCZ 3.81/08/180 SN GN BX	1792910000	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
BCZ 3.81/20/180 SN BK BX	1941000000	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
BCZ 3.81/05/180 SN GN BX	1792890000	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	4032248226979 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
BCZ 3.81/18/180 SN GN BX	1940940000	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	4032248655908 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
BCZ 3.81/08/180 SN BK BX	1792820000	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
BCZ 3.81/14/180 SN GN BX	1899470000	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
BCZ 3.81/06/180 SN GN BX	1792900000	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	4032248226986 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 3.81/02/90G 3.2SN BK BX

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

Mating connector (fully pluggable)

BCZ 3.81/16/180 SN OR BX	1940870000	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
BCZ 3.81/06/180 SN GN BX PRT	1827040000	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	4032248331970 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
BCZ 3.81/06/180 SN OR BX	1940770000	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
BCZ 3.81/19/180 SN BK BX	1940990000	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
BCZ 3.81/03/180 SN BK BX	1792780000	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
BCZ 3.81/10/180 SN OR BX	1940810000	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
BCZ 3.81/13/180 SN GN BX	1899430000	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	4032248519330 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
BCZ 3.81/02/180 SN OR BX	1940730000	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	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
BCZ 3.81/13/180 SN OR BX	1940840000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 13, 180°,	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

Creation date July 29, 2013 11:19:23 AM CEST

**OMNIMATE Signal - series BC/SC 3.81
SC 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

		Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box		
BCZ 3.81/05/180 SN OR BX	1940760000	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	4032248656073 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
BCZ 3.81/04/180 SN GN BX PRT	1807270000	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
BCZ 3.81/08/180 SN GN BX PRT	1848130000	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	4032248369416 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
BCZ 3.81/09/180 SN BK BX	1871390000	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
BCZ 3.81/05/180 SN BK BX	1792800000	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
BCZ 3.81/07/180 SN BK BX	1871410000	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
BCZ 3.81/19/180 SN OR BX	1940910000	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	4032248655939 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
BCZ 3.81/05/180 SN GN BX PRT	1142050000	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

**OMNIMATE Signal - series BC/SC 3.81
SC 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

BCZ 3.81/09/180 SN GN BX	1871380000	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	4032248449989 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
BCZ 3.81/04/180 SN BK BX PRT	1077880000	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	4032248837519 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
BCZ 3.81/06/180 SN GN BX PRT	1827050000	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
BCZ 3.81/08/180 SN OR BX	1940790000	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	4032248656042 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
BCZ 3.81/10/180 SN BK BX	1792830000	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
BCZ 3.81/04/180 SN GN BX PRT	1827030000	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	4032248331963 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
BCZ 3.81/02/180 SN BK BX	1792770000	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	4032248226757 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
BCZ 3.81/03/180 SN OR BX	1940740000	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	4032248656097 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
BCZ 3.81/04/180 SN OR BX PRT	1045720000	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

**OMNIMATE Signal - series BC/SC 3.81
SC 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

BCZ 3.81/02/180 SN GN BX	1792860000	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	4032248226948 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
BCZ 3.81/04/180 SN OR BX PRT	1094960000	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	4032248866854 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
BCZ 3.81/08/180 SN GN BX PRT	1827060000	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
BCZ 3.81/04/180 SN OR BX PRT	1094950000	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
BCZ 3.81/08/180 SN GN BX PRT	1142060000	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	4032248924882 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
BCZ 3.81/04/180 SN BK BX	1792790000	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	4032248226771 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
BCZ 3.81/07/180 SN GN BX	1871400000	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
BCZ 3.81/08/180 SN TGY BX SO	1021630000	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
BCZ 3.81/04/180 SN GN BX PRT	1859170000	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	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 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

BCZ 3.81/12/180 SN OR BX	1940830000	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
BCZ 3.81/18/180 SN OR BX	1940900000	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
BCZ 3.81/16/180 SN BK BX	1792850000	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	4032248226931 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
BCZ 3.81/10/180 SN GN BX	1792920000	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	4032248227006 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
BCZ 3.81/14/180 SN GN BX PRT	1807320000	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
BCZ 3.81/10/180 SN GN PRT BX	1816370000	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 Box UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/08/180 SN TGY BX SO	1021640000	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
BCZ 3.81/19/180 SN GN BX	1940950000	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	4032248655892 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 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

BCZ 3.81/11/180 SN BK BX	1899400000	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
BCZ 3.81/06/180 SN GN BX PRT	1807300000	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
BCZ 3.81/20/180 SN OR BX	1940920000	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
BCZ 3.81/15/180 SN BK BX	1899520000	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	4032248519422 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
BCZ 3.81/17/180 SN BK BX	1940970000	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
BCZ 3.81/12/180 SN GN BX	1792930000	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
BCZ 3.81/03/180 SN GN BX PRT	1880200000	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	4032248479177 200 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/17/180 SN GN BX	1940930000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 17, 180°, Clamping yoke connection, Clamping range, rated	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 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BCZ 3.81/13/90 SN BK BX	1899420000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 13, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248519323	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
BCZ 3.81/12/90 SN OR BX	1939930000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248656899	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
BCZ 3.81/03/90 SN BK BX	1798120000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 3, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248241316	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
BCZ 3.81/06/90 SN GN BX	1798730000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 6, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248243419	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

Creation date July 29, 2013 11:19:23 AM CEST

**OMNIMATE Signal - series BC/SC 3.81
SC 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

BCZ 3.81/07/90 SN OR BX	1939880000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 7, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248656943 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
BCZ 3.81/15/90 SN BK BX	1899500000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 15, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248519408 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
BCZ 3.81/11/90 SN BK BX	1899380000	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 Box UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/10/90 SN GN BX	1798750000	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	4032248243433 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
BCZ 3.81/02/90 SN BK BX	1798500000	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	4032248243006 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
BCZ 3.81/14/90 SN BK BX	1899460000	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	4032248519361 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
BCZ 3.81/16/90 SN OR BX	1939970000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 16, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248656851 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
BCZ 3.81/02/90 SN GN BX	1798680000	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	4032248243273 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
BCZ 3.81/11/90 SN GN BX	1899370000	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	4032248519279 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 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

BCZ 3.81/16/90 SN BK BX	1798660000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 16, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248243266 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
BCZ 3.81/15/90 SN GN BX	1899490000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 15, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248519392 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
BCZ 3.81/12/90 SN BK BX	1798630000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248243259 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
BCZ 3.81/15/90 SN OR BX	1939960000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 15, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248656868 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
BCZ 3.81/12/90 SN GN BX	1798760000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248243440 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
BCZ 3.81/03/90 SN OR BX	1939830000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 3, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248653959 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
BCZ 3.81/06/90 SN BK BX	1798590000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 6, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248243235 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
BCZ 3.81/05/90 SN BK BX	1798570000	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 Box UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/08/90 SN GN BX	1798740000	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

**OMNIMATE Signal - series BC/SC 3.81
SC 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

BCZ 3.81/06/90 SN OR BX	1939870000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 6, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248656950 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
BCZ 3.81/16/90 SN GN BX	1798770000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 16, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248243457 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
BCZ 3.81/04/90 SN OR BX	1939840000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248653942 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
BCZ 3.81/13/90 SN GN BX	1899410000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 13, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248519316 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
BCZ 3.81/13/90 SN OR BX	1939940000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 13, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248656882 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
BCZ 3.81/07/90 SN BK BX	1858960000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 7, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248410576 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
BCZ 3.81/08/90 SN OR BX	1939890000	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	4032248656936 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
BCZ 3.81/08/90 SN BK BX	1798130000	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 Box UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/05/90 SN GN BX	1798720000	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	4032248243303 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 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

BCZ 3.81/04/90 SN BK BX	1798550000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248243211 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
BCZ 3.81/10/90 SN BK BX	1798610000	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	4032248243242 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
BCZ 3.81/14/90 SN GN BX	1899450000	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	4032248519354 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
BCZ 3.81/04/90 SN GN BX	1798710000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248243297 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
BCZ 3.81/03/90 SN GN BX	1798690000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 3, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248243280 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
BCZ 3.81/11/90 SN OR BX	1939920000	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	4032248656905 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
BCZ 3.81/02/90 SN OR BX	1939820000	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	4032248653966 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
BCZ 3.81/10/90 SN OR BX	1939910000	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 Box UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/09/90 SN OR BX	1939900000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 9, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box	4032248656929 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 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

BCZ 3.81/14/90 SN OR BX	1939950000	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
BCZ 3.81/05/90 SN OR BX	1939860000	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	4032248656967 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

BCZ 3.81/180ZE


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

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

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

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

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

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

- 0.20 - 1.5 mm² (IEC) / 28 - 16 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BCZ 3.81/14/180ZE SN BK BX	1072050000	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 UL: 300 V / 10 A / AWG 28 - AWG 16	Box
BCZ 3.81/15/180ZE SN BK BX	1072060000	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	4032248830497 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 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

BCZ 3.81/10/180ZE SN OR BX	1236330000	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
BCZ 3.81/11/180ZE SN OR BX	1236340000	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	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
BCZ 3.81/18/180ZE SN BK BX	1072090000	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
BCZ 3.81/14/180ZE SN OR BX	1236390000	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	4050118021493 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/06/180ZE SN OR BX	1236280000	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	4050118021592 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/18/180ZE SN OR BX	1236430000	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
BCZ 3.81/17/180ZE SN OR BX	1236420000	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
BCZ 3.81/20/180ZE SN OR BX	1236470000	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
BCZ 3.81/09/180ZE SN OR BX	1236320000	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

**OMNIMATE Signal - series BC/SC 3.81
SC 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

BCZ 3.81/12/180ZE SN OR BX	1236370000	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	4050118021585 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/20/180ZE SN BK BX	1072120000	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 Box UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/11/180ZE SN BK BX	1072020000	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 Box UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/08/180ZE SN OR BX	1236300000	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
BCZ 3.81/13/180ZE SN BK BX	1072040000	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	4032248830473 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
BCZ 3.81/19/180ZE SN OR BX	1236440000	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
BCZ 3.81/05/180ZE SN OR BX	1236270000	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	4050118021653 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/12/180ZE SN BK BX	1072030000	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 Box UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/08/180ZE SN BK BX	1941970000	PCB plug-in connector, female plug, 3.81 mm, No. of poles: 8, 180°, Clamping	4032248698783 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

Creation date July 29, 2013 11:19:23 AM CEST

**OMNIMATE Signal - series BC/SC 3.81
SC 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

		yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box		
BCZ 3.81/07/180ZE SN OR BX	1236290000	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	4050118021578 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/09/180ZE SN BK BX	1071980000	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 UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/05/180ZE SN BK BX	1071950000	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 UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/15/180ZE SN OR BX	1236400000	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
BCZ 3.81/13/180ZE SN OR BX	1236380000	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	4050118021738 50 pc(s).	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/16/180ZE SN BK BX	1072070000	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 UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/17/180ZE SN BK BX	1072080000	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 UL: 300 V / 10 A / AWG 28 - AWG 16
BCZ 3.81/06/180ZE SN BK BX	1071960000	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	4032248830411 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 3.81/02/90G 3.2SN BK BX**

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

Mating connector (fully pluggable)

BCZ 3.81/16/180ZE SN OR BX	1236410000	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
BCZ 3.81/19/180ZE SN BK BX	1072110000	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
BCZ 3.81/10/180ZE SN BK BX	1072010000	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
BCZ 3.81/07/180ZE SN BK BX	1071970000	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	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

**OMNIMATE Signal - series BC/SC 3.81
SC 3.81/02/90G 3.2SN BK BX**

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

Mating connector (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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BCZ 3.81/02/90F SN GN BX	1798850000	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
BCZ 3.81/02/90F SN BK BX	1798780000	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
BCZ 3.81/02/90F SN OR BX	1939980000	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

**OMNIMATE Signal - series BC/SC 3.81
SC 3.81/02/90G 3.2SN BK BX**

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

Mating connector (conditionally pluggable)

BCZ 3.81/180F



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

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

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

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

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

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

- 0.20 - 1.5 mm² (IEC) / 28 - 16 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BCZ 3.81/02/180F SN GN BX	1793040000	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
BCZ 3.81/02/180F SN OR BX	1941010000	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
BCZ 3.81/02/180F SN BK BX	1792950000	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

**OMNIMATE Signal - series BC/SC 3.81
SC 3.81/02/90G 3.2SN BK BX**

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

Mating connector (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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BCZ 3.81/02/180LR SN BK BX	1941780000	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
BCZ 3.81/02/180LR SN OR BX	1941400000	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
BCZ 3.81/02/180LR SN GN BX	1941590000	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

**OMNIMATE Signal - series BC/SC 3.81
SC 3.81/02/90G 3.2SN BK BX**

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

Mating connector (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 mm² (IEC) / 28 - 16 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BCZ 3.81/02/270F SN GN BX	1799170000	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
BCZ 3.81/02/270F SN OR BX	1940460000	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
BCZ 3.81/02/270F SN BK BX	1799100000	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

