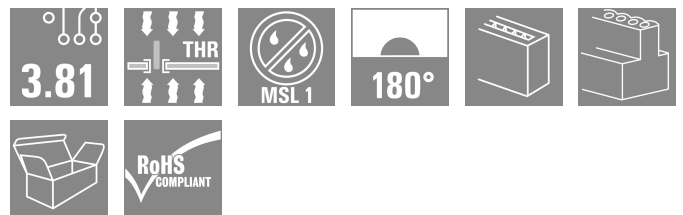
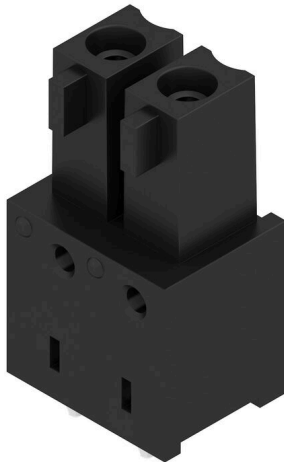


## BCL-SMT 3.81/02/180 1.5SN BK BX

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

### Product image



The inverted BCL-SMT socket block for the PCB offers three significant advantages:

- The BCL-SMT offers touch-safe security on the PCB which makes it ideal for live, current-carrying outputs.
- The BCL-SMT widens the range of applications with board-to-board connections between component assemblies.
- The BCL-SMT is reflow-compatible and can be seamlessly integrated into the automatic assembly and soldering process.

Two outlet directions give you a choice of position and thus more design flexibility.

- 180° standing
- 90° recumbent

Two housing variants are available for the BCL-SMT:

- Without flange
- With inverted solder flange ("LFI", with nut)
  - Fastened to PCB without additional screw
  - Fastened with screw to the SCZ FI

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.

### General ordering data

Version	PCB plug-in connector, female header, closed side, THT/THR solder connection, 3.81 mm, Number of poles: 2, 180°, Solder pin length (l): 1.5 mm, tinned, black, Box
Order No.	<a href="#">1976490000</a>
Type	BCL-SMT 3.81/02/180 1.5SN BK BX
GTIN (EAN)	4032248678983
Qty.	50 items
Product data	IEC: 320 V / 17.5 A UL: 300 V / 10 A
Packaging	Box

## BCL-SMT 3.81/02/180 1.5SN BK BX

Weidmüller Interface GmbH & Co. KG  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

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## Technical data

## Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (cURus)	E60693

## Dimensions and weights

Net weight	0.74 g
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## Environmental Product Compliance

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

## System specifications

Product family	OMNIMATE Signal - series BC/SC 3.81	Type of connection	Board connection
Mounting onto the PCB	THT/THR solder connection	Pitch in mm (P)	3.81 mm
Pitch in inches (P)	0.150 "	Outgoing elbow	180°
Number of poles	2	Number of solder pins per pole	2
Solder pin length (l)	1.5 mm	Solder pin length tolerance	0 / -0,02 mm
Solder pin dimensions	d = 0.8 mm	Solder pin dimensions = d tolerance	+0,05 / -0,05 mm
Solder eyelet hole diameter (D)	1.2 mm	Solder eyelet hole diameter tolerance (D)	+ 0,1 mm
Outside diameter of solder pad	1.9 mm	Template aperture diameter	1.6 mm
L1 in mm	3.81 mm	L1 in inches	0.150 "
Number of rows	1	Pin series quantity	1
Touch-safe protection acc. to DIN VDE 57 106	Safe from back-of-hand touch	Touch-safe protection acc. to DIN VDE 0470	IP20 plugged
Volume resistance	≤5 mΩ	Can be coded	Yes
Plugging force/pole, max.	9.5 N	Pulling force/pole, max.	6 N

## Material data

Insulating material	LCP GF	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	IIla
Comparative Tracking Index (CTI)	≥ 175	Moisture Level (MSL)	1
UL 94 flammability rating	V-0	Contact material	Cu-alloy
Contact surface	tinned	Layer structure of solder connection	1...3 μm Ni / 2...4 μm Sn matt
Layer structure of plug contact	1...3 μm Ni / 2...4 μm Sn matt	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-50 °C
Operating temperature, max.	120 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	120 °C		

## Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	17.5 A
Rated current, max. number of poles (Tu=20°C)	15.4 A	Rated current, min. number of poles (Tu=40°C)	17.5 A

## BCL-SMT 3.81/02/180 1.5SN BK BX

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### Technical data

Rated current, max. number of poles (Tu=40°C)	13.8 A	Rated voltage for surge voltage class / pollution degree II/2	320 V
Rated voltage for surge voltage class / pollution degree III/2	160 V	Rated voltage for surge voltage class / pollution degree III/3	160 V
Rated impulse voltage for surge voltage class/ pollution degree II/2	2.5 kV	Rated impulse voltage for surge voltage class/ pollution degree III/2	2.5 kV
Rated impulse voltage for surge voltage class/ contamination degree III/3	2.5 kV	Short-time withstand current resistance	3 x 1s with 76 A

#### Rated data acc. to CSA

Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group C / CSA)	50 V
Rated current (Use group B / CSA)	11 A	Rated current (Use group C / CSA)	11 A

#### Rated data acc. to UL 1059

Institute (cURus)	CURUS	Certificate No. (cURus)	E60693
Rated voltage (Use group B / UL 1059)	300 V	Rated voltage (Use group D / UL 1059)	300 V
Rated current (Use group B / UL 1059)	10 A	Rated current (Use group D / UL 1059)	10 A
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

#### Packing

Packaging	Box	VPE length	108.00 mm
VPE width	65.00 mm	VPE height	25.00 mm

#### Important note

IPC conformity	Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request.
Notes	<ul style="list-style-type: none"> <li>Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>P on drawing = pitch</li> <li>Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.</li> <li>In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load</li> <li>Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months</li> </ul>

#### Classifications

ETIM 8.0	EC002637	ETIM 9.0	EC002637
ETIM 10.0	EC002637	ECLASS 14.0	27-46-02-01
ECLASS 15.0	27-46-02-01		

**BCL-SMT 3.81/02/180 1.5SN BK BX**

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Drawings

Product image



Dimensional drawing



Graph



Graph



## BCL-SMT 3.81/02/180 1.5SN BK BX

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## Counterpart

### SC 3.81/135G



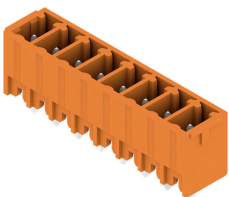
The SC pin header with 135° wire outlet direction: the 135° angle exists between the plugging direction and the solder pin. The wire outlet direction is then diagonal or 45° to the PCB.

- More freedom when designing components and devices.
- Easy access and a high component density when multiple interfaces are arranged in parallel within a single plugging area
- The housing design is application-friendly because of the additional optional wire outlet direction.
- 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 and offer space for labelling and coding.

#### General ordering data

Type	SC 3.81/02/135G 3.2SN B...	Version
Order No.	<a href="#">1976380000</a>	PCB plug-in connector, male header, closed side, THT solder connection, 3.81 mm, Number of poles: 2, 135°, Solder pin length (l):
GTIN (EAN)	4032248684502	3.2 mm, tinned, black, Box
Qty.	50 ST	
Type	SC 3.81/02/135G 3.2SN G...	Version
Order No.	<a href="#">1976010000</a>	PCB plug-in connector, male header, closed side, THT solder connection, 3.81 mm, Number of poles: 2, 135°, Solder pin length (l):
GTIN (EAN)	4032248684359	3.2 mm, tinned, Pale green, Box
Qty.	50 ST	
Type	SC 3.81/02/135G 3.2SN O...	Version
Order No.	<a href="#">1975720000</a>	PCB plug-in connector, male header, closed side, THT solder connection, 3.81 mm, Number of poles: 2, 135°, Solder pin length (l):
GTIN (EAN)	4032248684144	3.2 mm, tinned, orange, Box
Qty.	50 ST	

### SC 3.81/180G



The SC pin header has a perpendicular (standing) 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 and offer space for labelling and coding.

#### General ordering data

Type	SC 3.81/02/180G 3.2SN O...	Version
Order No.	<a href="#">1942840000</a>	PCB plug-in connector, male header, closed side, THT solder connection, 3.81 mm, Number of poles: 2, 180°, Solder pin length (l):
GTIN (EAN)	4032248654758	3.2 mm, tinned, orange, Box
Qty.	198 ST	
Type	SC 3.81/02/180G 3.2SN G...	Version
Order No.	<a href="#">1793610000</a>	PCB plug-in connector, male header, closed side, THT solder connection, 3.81 mm, Number of poles: 2, 180°, Solder pin length (l):
GTIN (EAN)	4032248230730	3.2 mm, tinned, Pale green, Box
Qty.	198 ST	

## BCL-SMT 3.81/02/180 1.5SN BK BX

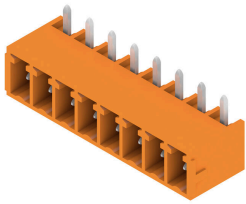
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Germany

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### Counterpart

Type	SC 3.81/02/180G 3.2SN B...	Version
Order No.	<a href="#">1793520000</a>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248230433	connection, 3.81 mm, Number of poles: 2, 180°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, black, Box

### SC 3.81/270G



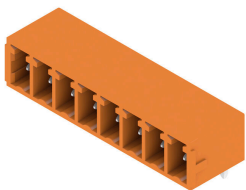
The SC pin header in 270°-outlet direction: the 270° angle exists between the plugging direction and the solder pin. The plugging direction is then parallel to the PCB. Sockets blocks, however, have an overhead plugging angle.

- More freedom when designing components and devices.
- A high component density when multiple PCBs are arranged in parallel within one housing
- The housing design is application-friendly because of the additional optional wire outlet direction.
- 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 and offer space for labelling and coding.

#### General ordering data

Type	SC 3.81/02/270G 3.2SN O...	Version
Order No.	<a href="#">1037490000</a>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248766123	connection, 3.81 mm, Number of poles: 2, 270°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, orange, Box

### SC 3.81/90G



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.

#### General ordering data

Type	SC 3.81/02/90G 3.2SN OR...	Version
Order No.	<a href="#">1942020000</a>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248655526	connection, 3.81 mm, Number of poles: 2, 90°, Solder pin length (l):
Qty.	198 ST	3.2 mm, tinned, orange, Box
Type	SC 3.81/02/90G 3.2SN GN...	Version
Order No.	<a href="#">1793240000</a>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248227716	connection, 3.81 mm, Number of poles: 2, 90°, Solder pin length (l):
Qty.	198 ST	3.2 mm, tinned, Pale green, Box
Type	SC 3.81/02/90G 3.2SN BK...	Version
Order No.	<a href="#">1793130000</a>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248227624	connection, 3.81 mm, Number of poles: 2, 90°, Solder pin length (l):
Qty.	198 ST	3.2 mm, tinned, black, Box

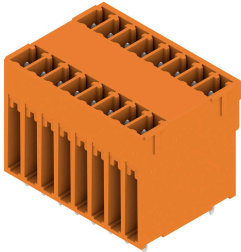
## BCL-SMT 3.81/02/180 1.5SN BK BX

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D-32758 Detmold  
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## Counterpart

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## SCD 3.81/180G



Two-tier SCD pin header for wave soldering.

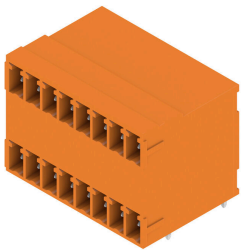
- It allows you to use two interfaces on only one surface and with only one step in the work flow.
- Outlet direction: 180° (standing).
- Connections at the same level and with access that is flush over the front board.
- Space for labelling and coding
- Packed in cardboard box.

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.

## General ordering data

Type	SCD 3.81/04/180G 3.2SN ...	Version
Order No.	<a href="#">1030260000</a>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248759439	connection, 3.81 mm, Number of poles: 4, 180°, Solder pin length (l):
Qty.	132 ST	3.2 mm, tinned, black, Box
Type	SCD 3.81/04/180G 3.2SN ...	Version
Order No.	<a href="#">1030090000</a>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248759217	connection, 3.81 mm, Number of poles: 4, 180°, Solder pin length (l):
Qty.	132 ST	3.2 mm, tinned, Pale green, Box

## SCD 3.81/90G



Two-tier SCD pin header for wave soldering.

- It allows you to use two interfaces on only one surface and with only one step in the work flow.
- Outlet direction: 90° (recumbent)
- Connections at the same level and with access that is flush over the front board.
- Space for labelling and coding
- Packed in cardboard box.

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.

## General ordering data

Type	SCD 3.81/04/90G 3.2SN G...	Version
Order No.	<a href="#">1972940000</a>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248682515	connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, Pale green, Box
Type	SCD 3.81/04/90G 3.2SN O...	Version
Order No.	<a href="#">1972790000</a>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248682362	connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
Qty.	132 ST	3.2 mm, tinned, orange, Box

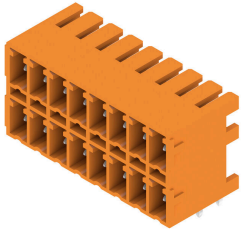
## BCL-SMT 3.81/02/180 1.5SN BK BX

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

## Counterpart

### SCDN 3.81/90G



Extra flat two-tier SCDN pin header for wave soldering.

- Two compact interfaces are used with the flat BCF 3.81 (PUSH IN) socket block.
- Available as 90° (recumbent).
- Connections on a single level, allowing access that is flush over the front board.
- Space for labelling and coding
- Packed in cardboard box.

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.

#### General ordering data

Type	SCDN 3.81/04/90G 3.2SN ...	Version
Order No.	<a href="#">1040790000</a>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248769650	connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, black, Box
Type	SCDN 3.81/04/90G 3.2SN ...	Version
Order No.	<a href="#">1040410000</a>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248769070	connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, orange, Box

### SCDV 3.81/180G



Two-tier SCDV pin header for wave soldering.

- It allows you to use two interfaces on only one surface and with only one step in the work flow.
- Outlet direction: 180° (standing).
- Connections at two offset levels and open access to each row.
- Space for labelling and coding
- Packed in cardboard box.

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.

#### General ordering data

Type	SCDV 3.81/04/180G 3.2SN...	Version
Order No.	<a href="#">1034470000</a>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248763313	connection, 3.81 mm, Number of poles: 4, 180°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, orange, Box

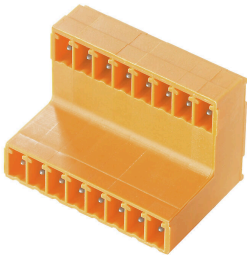
## BCL-SMT 3.81/02/180 1.5SN BK BX

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## Counterpart

### SCDV 3.81/90G



Two-tier SCDV pin header for wave soldering.

- It allows you to use two interfaces on only one surface and with only one step in the work flow.
- Outlet direction: 90° (recumbent)
- Connections at two offset levels and with open access to each row.
- Space for labelling and coding
- Packed in cardboard box.

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.

#### General ordering data

Type	SCDV 3.81/04/90G 3.2SN ...	Version
Order No.	<a href="#">1032260000</a>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248771554	connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, Pale green, Box
Type	SCDV 3.81/04/90G 3.2SN ...	Version
Order No.	<a href="#">1032090000</a>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248771400	connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, orange, Box

### SC-SMT 3.81/135G



The high-temperature-resistant SC-SMT pin header with 135° wire outlet direction: the 135° angle exists between the plugging direction and the solder pin. The wire outlet direction is then diagonal or 45° to the PCB.

- More freedom when designing components and devices.
- Easy access and a high component density when multiple interfaces are arranged in parallel within a single plugging area
- The housing design is application-friendly because of the additional optional wire outlet direction.
- Available as closed (G) and with solder flange (LF).
- 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.

#### General ordering data

Type	SC-SMT 3.81/02/135G 3.2...	Version
Order No.	<a href="#">1977200000</a>	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248685219	connection, 3.81 mm, Number of poles: 2, 135°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, black, Box

## BCL-SMT 3.81/02/180 1.5SN BK BX

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## Counterpart

### SC-SMT 3.81/180G Box



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)

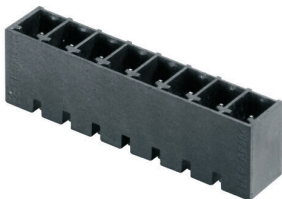
• Pin length of either 1.5 mm or 3.2 mm  
 Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

#### General ordering data

Type	SC-SMT 3.81/02/180G 1.5...	Version
Order No.	<a href="#">1863720000</a>	PCB plug-in connector, male header, closed side, THT/THR solder connection, 3.81 mm, Number of poles: 2, 180°, Solder pin length (l):
GTIN (EAN)	4032248428793	
Qty.	50 ST	1.5 mm, tinned, black, Box

Type	SC-SMT 3.81/02/180G 3.2...	Version
Order No.	<a href="#">1862920000</a>	PCB plug-in connector, male header, closed side, THT/THR solder connection, 3.81 mm, Number of poles: 2, 180°, Solder pin length (l):
GTIN (EAN)	4032248428113	
Qty.	50 ST	3.2 mm, tinned, black, Box

### SC-SMT 3.81/180G Tape



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.

#### General ordering data

Type	SC-SMT 3.81/02/180G 1.5...	Version
Order No.	<a href="#">1864050000</a>	PCB plug-in connector, male header, closed side, THT/THR solder connection, 3.81 mm, Number of poles: 2, 180°, Solder pin length (l):
GTIN (EAN)	4032248429172	
Qty.	300 ST	1.5 mm, tinned, black, Tape

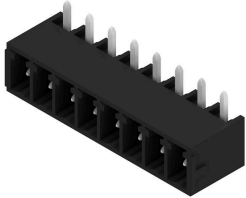
## BCL-SMT 3.81/02/180 1.5SN BK BX

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 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

## Counterpart

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### SC-SMT 3.81/270G



The SC-SMT pin header in 270°-outlet direction: the 270° angle exists between the plugging direction and the solder pin. The plugging direction is then parallel to the PCB. Sockets blocks, however, have an overhead plugging angle.

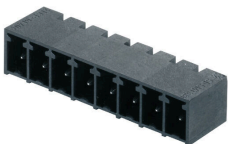
- More freedom when designing components and devices.
- A high component density when multiple PCBs are arranged in parallel within one housing
- The housing design is application-friendly because of the additional optional wire outlet direction.
- Available in closed (G) and screw flange (F) versions.
- 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.

#### General ordering data

Type	SC-SMT 3.81/02/270G 3.2...	Version
Order No.	<a href="#">1036480000</a>	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248765089	connection, 3.81 mm, Number of poles: 2, 270°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, black, Box

### SC-SMT 3.81/90G Box



High-temperature-resistant pin header (SC-SMT 90G) in 3.81-mm pitch (0.15 inch)

- Plugging direction parallel to PCB (recumbent)
- 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.

#### General ordering data

Type	SC-SMT 3.81/02/90G 1.5S...	Version
Order No.	<a href="#">1862960000</a>	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248428069	connection, 3.81 mm, Number of poles: 2, 90°, Solder pin length (l):
Qty.	50 ST	1.5 mm, tinned, black, Box
Type	SC-SMT 3.81/02/90G 3.2S...	Version
Order No.	<a href="#">1862460000</a>	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248427611	connection, 3.81 mm, Number of poles: 2, 90°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, black, Box

**BCL-SMT 3.81/02/180 1.5SN BK BX**

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**Counterpart****SC-SMT 3.81/90G Tape**

High-temperature-resistant pin header (SC-SMT 90G) in 3.81-mm pitch (0.15 inch)

- Plugging direction parallel to PCB (recumbent)
- 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.

**General ordering data**

Type	SC-SMT 3.81/02/90G 1.5S...	Version
Order No.	<a href="#">1863140000</a>	PCB plug-in connector, male header, closed side, THT/THR solder connection, 3.81 mm, Number of poles: 2, 90°, Solder pin length (l):
GTIN (EAN)	4032248428335	1.5 mm, tinned, black, Tape
Qty.	400 ST	
Type	SC-SMT 3.81/02/90G 3.2S...	Version
Order No.	<a href="#">1862810000</a>	PCB plug-in connector, male header, closed side, THT/THR solder connection, 3.81 mm, Number of poles: 2, 90°, Solder pin length (l):
GTIN (EAN)	4032248427772	3.2 mm, tinned, black, Tape
Qty.	400 ST	

**SCD-THR 3.81/180G**

High-temperature-resistant two-tier SCD-THR pin header for reflow soldering.

- It allows you to use two interfaces on only one surface and with only one step in the work flow.
- Outlet direction: 90° (recumbent)
- Connections at the same level and with access that is flush over the front board.
- Space for labelling and coding
- Packed in cardboard box.

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.

**General ordering data**

Type	SCD-THR 3.81/04/180G 3...	Version
Order No.	<a href="#">1030950000</a>	PCB plug-in connector, male header, closed side, THT/THR solder connection, 3.81 mm, Number of poles: 4, 180°, Solder pin length (l):
GTIN (EAN)	4032248760039	3.2 mm, tinned, black, Box
Qty.	50 ST	

**BCL-SMT 3.81/02/180 1.5SN BK BX**

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**Counterpart**

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**SCD-THR 3.81/90G**

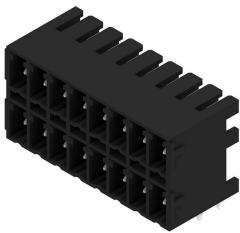
High-temperature-resistant two-tier SCD-THR pin header for reflow soldering.

- It allows you to use two interfaces on only one surface and with only one step in the work flow.
- Outlet direction: 90° (recumbent)
- Connections at the same level and with access that is flush over the front board.
- Space for labelling and coding
- Packed in cardboard box.

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.

**General ordering data**

Type	SCD-THR 3.81/04/90G 3.2...	Version
Order No.	<a href="#">1973730000</a>	PCB plug-in connector, male header, closed side, THT/THR solder connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
GTIN (EAN)	4032248683246	3.2 mm, tinned, black, Box
Qty.	50 ST	

**SCDN-THR 3.81/90G**

Extra flat high-temperature-resistant two-tier SCDN-THR pin header for reflow soldering.

- Two compact interfaces are used with the flat BCF 3.81 (PUSH IN) socket block.
- Available as 90° (recumbent).
- Connections on a single level, allowing access that is flush over the front board.
- Space for labelling and coding
- Packed in cardboard box.

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.

**General ordering data**

Type	SCDN-THR 3.81/04/90G 1....	Version
Order No.	<a href="#">1039270000</a>	PCB plug-in connector, male header, closed side, THT/THR solder connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
GTIN (EAN)	4032248772599	1.5 mm, tinned, black, Box
Qty.	50 ST	
Type	SCDN-THR 3.81/04/90G 3....	Version
Order No.	<a href="#">1038950000</a>	PCB plug-in connector, male header, closed side, THT/THR solder connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
GTIN (EAN)	4032248767601	3.2 mm, tinned, black, Box
Qty.	50 ST	

## BCL-SMT 3.81/02/180 1.5SN BK BX

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## Counterpart

### SCDV-THR 3.81/180G



High-temperature-resistant two-tier SCDV-THR pin header for reflow soldering.

- It allows you to use two interfaces on only one surface and with only one step in the work flow.
- Outlet direction: 90° (recumbent)
- Connections at two offset levels and open access to each row.
- Space for labelling and coding
- Packed in cardboard box.

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.

#### General ordering data

Type	SCDV-THR 3.81/04/180G 3...	Version
Order No.	<a href="#">1035470000</a>	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248764235	connection, 3.81 mm, Number of poles: 4, 180°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, black, Box

### SCDV-THR 3.81/90G



High-temperature-resistant two-tier SCDV-THR pin header for reflow soldering.

- It allows you to use two interfaces on only one surface and with only one step in the work flow.
- Outlet direction: 90° (recumbent)
- Connections at two offset levels and open access to each row.
- Space for labelling and coding
- Packed in cardboard box.

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.

#### General ordering data

Type	SCDV-THR 3.81/04/90G 3....	Version
Order No.	<a href="#">1033490000</a>	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248762415	connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, black, Box

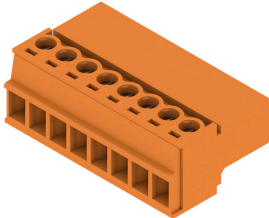
## BCL-SMT 3.81/02/180 1.5SN BK BX

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## Counterpart

### SCZ 3.81/180G



The inverted SCZ pin plug with clamping-yoke screw connection is designed for straight wire connections in 3.81-mm pitch. It can be used in two ways:

- for wire-to-wire connections together with the BCZ
- as a mating plug for the touch-safe BCL socket block on the PCB.

The SCZ is available in four different versions:

- Without flange ("G", closed)
- With standard flange ("F", with socket nut)
- With inverted flange ("FI", with screw)
- and with Weidmüller's patented release latch for a tool-free, no-strain disconnect

The SCZ provides space for labelling and can be coded.

### General ordering data

Type	SCZ 3.81/02/180G SN GN ...	Version
Order No.	<a href="#">1969750000</a>	PCB plug-in connector, male plug, 3.81 mm, Number of poles: 2,
GTIN (EAN)	4032248679287	180°, Clamping yoke connection, Clamping range, max. : 1.5 mm <sup>2</sup> ,
Qty.	50 ST	Box
Type	SCZ 3.81/02/180G SN OR ...	Version
Order No.	<a href="#">1969520000</a>	PCB plug-in connector, male plug, 3.81 mm, Number of poles: 2,
GTIN (EAN)	4032248679133	180°, Clamping yoke connection, Clamping range, max. : 1.5 mm <sup>2</sup> ,
Qty.	50 ST	Box
Type	SCZ 3.81/02/180G SN BK ...	Version
Order No.	<a href="#">1970010000</a>	PCB plug-in connector, male plug, 3.81 mm, Number of poles: 2,
GTIN (EAN)	4032248679430	180°, Clamping yoke connection, Clamping range, max. : 1.5 mm <sup>2</sup> ,
Qty.	50 ST	Box