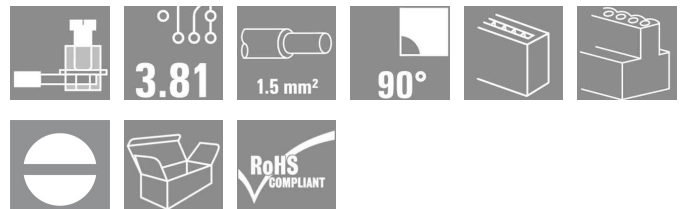


OMNIMATE Signal - series BC/SC 3.81 BCZ 3.81/03/90 SN BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Fon: +49 5231 14-0
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www.weidmueller.com



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 | BCZ 3.81/03/90 SN BK BX |
| Order No. | 1798120000 |
| Version | 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 |
| GTIN (EAN) | 4032248241316 |
| Qty. | 50 pc(s). |
| Product data | IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16 |
| Packaging | Box |

Creation date July 29, 2013 1:04:40 PM CEST

**OMNIMATE Signal - series BC/SC 3.81
BCZ 3.81/03/90 SN BK BX**

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Technical data**Dimensions and weights**

| | |
|------------|--------|
| Net weight | 2.78 g |
|------------|--------|

System parameters

| Product family | OMNIMATE Signal - series BC/SC 3.81 | Wire connection method | Clamping yoke connection |
|--|-------------------------------------|--|--------------------------|
| Conductor outlet direction | 90° | Pitch in mm (P) | 3.81 mm |
| Pitch in inches (P) | 0.15 inch | No. of poles | 3 |
| Screwdriver blade | 0.4 x 2.5 | Screwdriver blade standard | DIN 5264 |
| Tightening torque, min. | 0.2 Nm | Tightening torque, max. | 0.25 Nm |
| Clamping screw | M 2 | Stripping length | 7 mm |
| L1 in mm | 7.62 mm | L1 in inches | 0.3 inch |
| 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 |
| Colour chart (similar) | RAL 9011 | UL 94 flammability rating | V-0 |
| CTI | ≥ 550 | Contact material | Cu-Leg |
| Contact surface | tinned | | |

Connectable conductors

| | | | |
|---|--------------------------|---|---------------------|
| Clamping range, rated connection, min. | 0.08 mm ² | Clamping range, rated connection, max. | 1.5 mm ² |
| Wire connection cross section AWG, min. | AWG 28 | Wire connection cross section AWG, max. | AWG 16 |
| Solid, min. H05(07) V-U | 0.2 mm ² | Solid, max. H05(07) V-U | 1.5 mm ² |
| Flexible, min. H05(07) V-K | 0.2 mm ² | Flexible, max. H05(07) V-K | 1.5 mm ² |
| w. wire end ferrule, DIN 46228 pt 1, min. | 0.2 mm ² | w. wire end ferrule, DIN 46228 pt 1, max. | 1.5 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.2 mm ² | w. plastic collar ferrule, DIN 46228 pt 4, max. | 1.5 mm ² |
| Plug gauge acc. to EN 60999 a x b; Ø | 2.4 mm x 1.5 mm ; 2.4 mm | | |

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) | 15.9 A |
| Rated current, number of poles (Tu=40°C), min | 17.5 A | Rated current, number of poles (Tu=40°C), max. | 14.1 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 | | |

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Technical data

CSA rating data

Institute (CSA)



Rated voltage (Use group B)

300 V

| | |
|-------------------------------|--------|
| Rated current (use group B) | 10 A |
| Rated current (use group D) | 10 A |
| Wire cross-section, AWG, max. | AWG 16 |

| | |
|-------------------------------|--------|
| Rated voltage (use group D) | 300 V |
| Wire cross-section, AWG, min. | AWG 28 |

UL 1059 rating data

| | |
|-------------------------------|--------|
| Rated voltage (use group B) | 300 V |
| Rated voltage (use group D) | 300 V |
| Wire cross-section, AWG, min. | AWG 28 |

| | |
|-------------------------------|--------|
| Rated current (use group B) | 10 A |
| Rated current (use group D) | 10 A |
| Wire cross-section, AWG, max. | AWG 16 |

Classifications

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

Notes

Notes

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- 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.

Approvals

Approvals



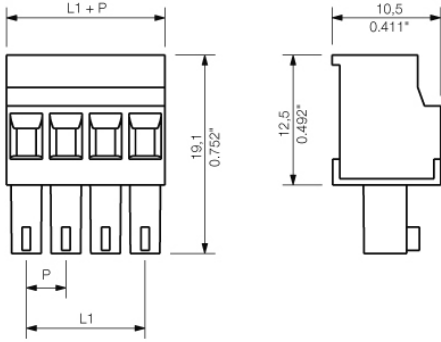
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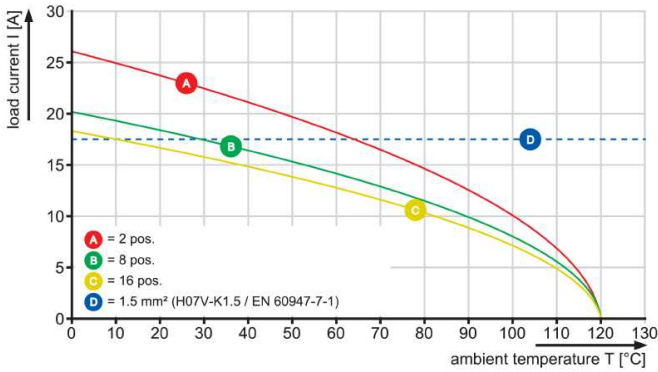
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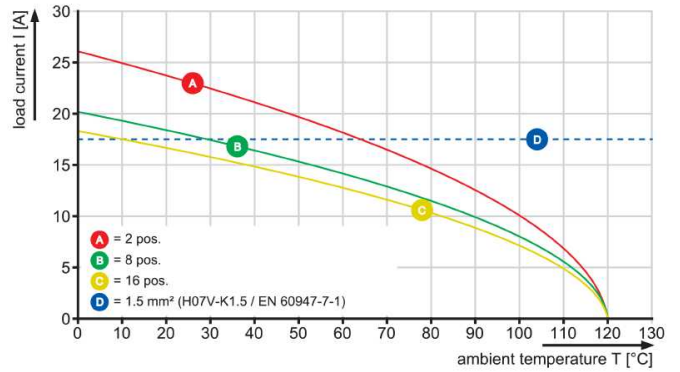
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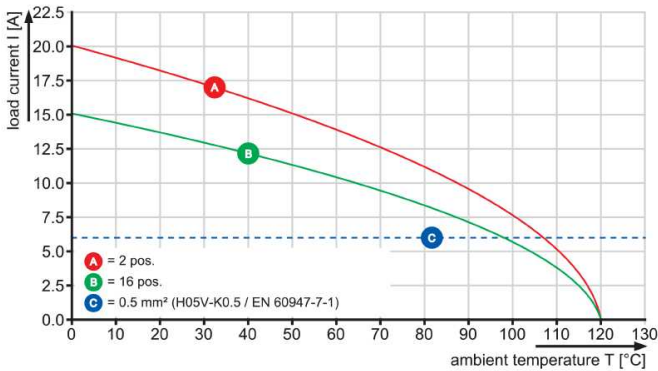
BCZ 3.81../90 & /270 - SC 3.81../135



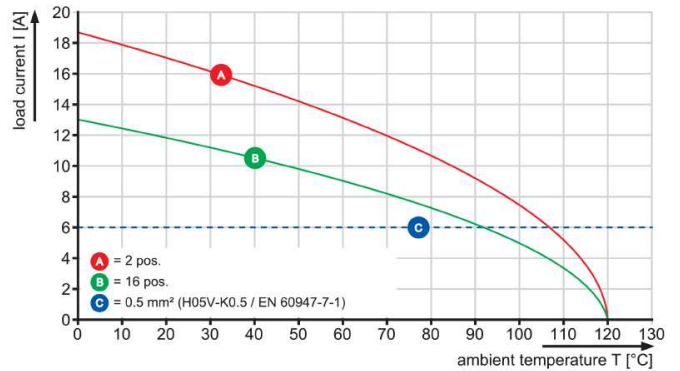
BCZ 3.81../90 & /270 - SC-SMT 3.81../135



BCZ 3.81../90 & /270 - SC-SMT 3.81../135



BCZ 3.81../90 & /270 - SC 3.81../135



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Mating connector (fully pluggable)
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.

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|---------------------------------------|----------------------------|--|---------------|-----------|---|-----------|
| SC-SMT 3.81/02/180G 3.2SN BK BX | 1862920000 | PCB plug-in connector, male header, closed side, Reflow solder connection, 3.81 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box | 4032248428113 | 50 pc(s). | IEC: 320 V / 17.5 A UL: 300 V / 10 A | Box |
| SC-SMT 3.81/02/180G 1.5SN BK BX | 1863720000 | PCB plug-in connector, male header, closed side, Reflow solder connection, 3.81 mm, No. of poles: 2, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box | 4032248428793 | 50 pc(s). | IEC: 320 V / 17.5 A UL: 300 V / 10 A | 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.

- 320 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 |
|----------------------------------|----------------------------|---|---------------|-----------|---|-----------|
| SC 3.81/02/90G 3.2SN GN BX | 1793240000 | 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, Pale green, Box | 4032248227716 | 50 pc(s). | IEC: 320 V / 17.5 A UL: 300 V / 10 A | Box |
| SC 3.81/02/90G 3.2SN OR BX | 1942020000 | PCB plug-in connector, male header, closed side, Solder connection, 3.81 mm, No. | 4032248655526 | 50 pc(s). | IEC: 320 V / 17.5 A UL: 300 V / 10 A | Box |

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BCZ 3.81/03/90 SN BK BX**

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www.weidmueller.com

Mating connector (fully pluggable)

of poles: 2, 90°, Solder pin
length (l): 3.2 mm, tinned,
Orange, Box

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

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.

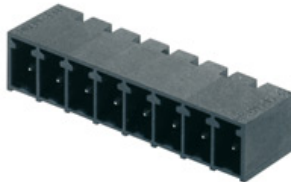
- 320 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|--------------|----------------------------|-------------------------------|-------------------------|------|---------------------|-----------|
| SC | 1793520000 | PCB plug-in connector, male | 4032248230433 50 pc(s). | | IEC: 320 V / 17.5 A | Box |
| 3.81/02/180G | | header, closed side, Solder | | | UL: 300 V / 10 A | |
| 3.2SN BK BX | | connection, 3.81 mm, No. | | | | |
| | | of poles: 2, 180°, Solder pin | | | | |
| | | length (l): 3.2 mm, tinned, | | | | |
| | | Black, Box | | | | |
| SC | 1793610000 | PCB plug-in connector, male | 4032248230730 50 pc(s). | | IEC: 320 V / 17.5 A | Box |
| 3.81/02/180G | | header, closed side, Solder | | | UL: 300 V / 10 A | |
| 3.2SN GN BX | | connection, 3.81 mm, No. | | | | |
| | | of poles: 2, 180°, Solder pin | | | | |
| | | length (l): 3.2 mm, tinned, | | | | |
| | | Pale green, Box | | | | |
| SC | 1942840000 | PCB plug-in connector, male | 4032248654758 50 pc(s). | | IEC: 320 V / 17.5 A | Box |
| 3.81/02/180G | | header, closed side, Solder | | | UL: 300 V / 10 A | |
| 3.2SN OR BX | | connection, 3.81 mm, No. | | | | |
| | | of poles: 2, 180°, Solder pin | | | | |
| | | length (l): 3.2 mm, tinned, | | | | |
| | | Orange, Box | | | | |

**OMNIMATE Signal - series BC/SC 3.81
BCZ 3.81/03/90 SN BK BX**

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Mating connector (fully pluggable)
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.

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|--------------------------------------|----------------------------|--|---------------|-----------|---|-----------|
| SC-SMT 3.81/02/90G 3.2SN BK BX | 1862460000 | PCB plug-in connector, male header, closed side, Reflow solder connection, 3.81 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box | 4032248427611 | 50 pc(s). | IEC: 320 V / 17.5 A UL: 300 V / 10 A | Box |
| SC-SMT 3.81/02/90G 1.5SN BK BX | 1862960000 | PCB plug-in connector, male header, closed side, Reflow solder connection, 3.81 mm, No. of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box | 4032248428069 | 50 pc(s). | IEC: 320 V / 17.5 A UL: 300 V / 10 A | 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.

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|---------------------------------------|----------------------------|--|---------------|------------|---|-----------|
| SC-SMT 3.81/02/180G 3.2SN BK RL | 1863450000 | PCB plug-in connector, male header, closed side, Reflow solder connection, 3.81 mm, No. of poles: 2, 180° | 4032248428557 | 300 pc(s). | IEC: 320 V / 17.5 A UL: 300 V / 10 A | Tape |

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BCZ 3.81/03/90 SN BK BX**

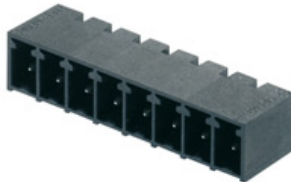
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Mating connector (fully pluggable)

| | | | | |
|--------------|----------------------------|--|--------------------------|---|
| | | Solder pin length (l): 3.2 mm, tinned, Black, Tape | | |
| SC-SMT | 1864050000 | PCB plug-in connector, male | 4032248429172 300 pc(s). | IEC: 320 V / 17.5 A UL: 300 V / 10 A |
| 3.81/02/180G | | header, closed side, Reflow | | Tape |
| 1.5SN BK RL | | solder connection, 3.81 mm, No. of poles: 2, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Tape | | |

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Mating connector (conditionally pluggable)
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.

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|--------------------------------------|----------------------------|---|---------------|------------|---|-----------|
| SC-SMT 3.81/03/90G 3.2SN BK RL | 1862840000 | PCB plug-in connector, male header, closed side, Reflow solder connection, 3.81 mm, No. of poles: 3, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Tape | 4032248427789 | 400 pc(s). | IEC: 320 V / 17.5 A UL: 300 V / 10 A | Tape |
| SC-SMT 3.81/03/90G 1.5SN BK RL | 1863150000 | PCB plug-in connector, male header, closed side, Reflow solder connection, 3.81 mm, No. of poles: 3, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Tape | 4032248428342 | 400 pc(s). | IEC: 320 V / 17.5 A UL: 300 V / 10 A | Tape |

SC-SMT 3.81/180LF Tape


High-temperature-resistant pin header (SC-SMT 180LF) in 3.81-mm pitch (0.15 inch)

- Plugging direction is perpendicular to PCB (standing)
- With solder flange (LF).
- 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.

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|--|----------------------------|---|---------------|------------|---|-----------|
| SC-SMT 3.81/03/180LF 1.5SN BK RL | 1864230000 | PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.81 mm, No. of poles: 3, | 4032248429530 | 300 pc(s). | IEC: 320 V / 17.5 A UL: 300 V / 10 A | Tape |

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Mating connector (conditionally pluggable)

| | | | | |
|---------------|----------------------------|---|--------------------------|---|
| | | 180°, Solder pin length (l): 1.5 mm, tinned, Black, Tape | | |
| SC-SMT | 1863510000 | PCB plug-in connector, | 4032248428694 300 pc(s). | IEC: 320 V / 17.5 A UL: 300 V / 10 A |
| 3.81/03/180LF | | male header, Solder flange, | | Tape |
| 3.2SN BK RL | | Reflow solder connection, 3.81 mm, No. of poles: 3, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Tape | | |

SC-SMT 3.81/90LF Tape


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

- Plugging direction parallel to PCB (recumbent)
- With solder flange (LF).
- 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.

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|--------------|----------------------------|--|--------------------------|------|---|-----------|
| SC-SMT | 1862750000 | PCB plug-in connector, | 4032248427956 400 pc(s). | | IEC: 320 V / 17.5 A UL: 300 V / 10 A | Tape |
| 3.81/03/90LF | | male header, Solder flange, | | | | |
| 1.5SN BK RL | | Reflow solder connection, 3.81 mm, No. of poles: 3, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Tape | | | | |
| SC-SMT | 1863970000 | PCB plug-in connector, | 4032248429219 400 pc(s). | | IEC: 320 V / 17.5 A UL: 300 V / 10 A | Tape |
| 3.81/03/90LF | | male header, Solder flange, | | | | |
| 3.2SN BK RL | | Reflow solder connection, 3.81 mm, No. of poles: 3, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Tape | | | | |

OMNIMATE Signal - series BC/SC 3.81 BCZ 3.81/03/90 SN BK BX

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Mating connector (conditionally pluggable)

SC-SMT 3.81/90LF Box



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

- Plugging direction parallel to PCB (recumbent)
- With solder flange (LF).
- 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.

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|---------------------------------------|----------------------------|--|---------------|-----------|---|-----------|
| SC-SMT 3.81/03/90LF 1.5SN BK BX | 1862580000 | PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.81 mm, No. of poles: 3, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box | 4032248427543 | 50 pc(s). | IEC: 320 V / 17.5 A UL: 300 V / 10 A | Box |
| SC-SMT 3.81/03/90LF 3.2SN BK BX | 1863680000 | PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.81 mm, No. of poles: 3, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box | 4032248428861 | 50 pc(s). | IEC: 320 V / 17.5 A UL: 300 V / 10 A | Box |

SC-SMT 3.81/180LF Box



High-temperature-resistant pin header (SC-SMT 180LF) in 3.81-mm pitch (0.15 inch)

- Plugging direction is perpendicular to PCB (standing)
- With solder flange (LF).
- 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.

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|--|----------------------------|---|---------------|-----------|---|-----------|
| SC-SMT 3.81/03/180LF 1.5SN BK BX | 1864080000 | PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.81 mm, No. of poles: 3, | 4032248429288 | 50 pc(s). | IEC: 320 V / 17.5 A UL: 300 V / 10 A | Box |

**OMNIMATE Signal - series BC/SC 3.81
BCZ 3.81/03/90 SN 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)

| | | | | |
|--|----------------------------|---|--|-----|
| | | 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box | | |
| SC-SMT 3.81/03/180LF 3.2SN BK BX | 1863250000 | PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.81 mm, No. of poles: 3, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box | 4032248428441 50 pc(s). IEC: 320 V / 17.5 A UL: 300 V / 10 A | Box |

SC 3.81/90F


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 | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|----------------------------------|----------------------------|---|-------------------------|------|---|-----------|
| SC 3.81/03/90F 3.2SN BK BX | 1793340000 | PCB plug-in connector, male header, Flange, Solder connection, 3.81 mm, No. of poles: 3, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box | 4032248378333 50 pc(s). | | IEC: 320 V / 17.5 A UL: 300 V / 10 A | Box |
| SC 3.81/03/90F 3.2SN OR BX | 1942460000 | PCB plug-in connector, male header, Flange, Solder connection, 3.81 mm, No. of poles: 3, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | 4032248655137 50 pc(s). | | IEC: 320 V / 17.5 A UL: 300 V / 10 A | Box |
| SC 3.81/03/90F 3.2SN GN BX | 1793430000 | PCB plug-in connector, male header, Flange, Solder connection, 3.81 mm, No. of poles: 3, 90°, Solder pin length (l): 3.2 mm, tinned, Pale green, Box | 4032248228508 50 pc(s). | | IEC: 320 V / 17.5 A UL: 300 V / 10 A | Box |

**OMNIMATE Signal - series BC/SC 3.81
BCZ 3.81/03/90 SN BK BX**

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 Fax: +49 5231 14-292083
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Mating connector (conditionally pluggable)
SC 3.81/180F


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.

- 320 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 |
|-----------------------------------|----------------------------|--|---------------|-----------|---|-----------|
| SC 3.81/03/180F 3.2SN BK BX | 1793710000 | PCB plug-in connector, male header, Flange, Solder connection, 3.81 mm, No. of poles: 3, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box | 4032248230839 | 50 pc(s). | IEC: 320 V / 17.5 A UL: 300 V / 10 A | Box |
| SC 3.81/03/180F 3.2SN OR BX | 1943190000 | PCB plug-in connector, male header, Flange, Solder connection, 3.81 mm, No. of poles: 3, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | 4032248654406 | 50 pc(s). | IEC: 320 V / 17.5 A UL: 300 V / 10 A | Box |
| SC 3.81/03/180F 3.2SN GN BX | 1793800000 | PCB plug-in connector, male header, Flange, Solder connection, 3.81 mm, No. of poles: 3, 180°, Solder pin length (l): 3.2 mm, tinned, Pale green, Box | 4032248230921 | 50 pc(s). | IEC: 320 V / 17.5 A UL: 300 V / 10 A | Box |

