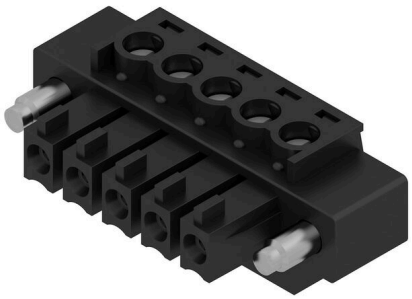
Data sheet

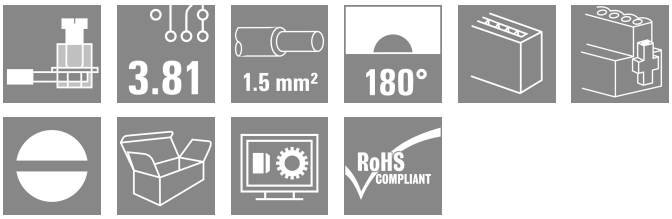
BCZ 3.81/05/180F SN BK BX

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

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Product image





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.

General ordering data

Version	PCB plug-in connector, female plug, 3.81 mm, Number of poles: 5, 180°, Clamping yoke connection, Clamping range, max. : 1.5 mm², Box
Order No.	1792980000
Type	BCZ 3.81/05/180F SN BK BX
GTIN (EAN)	4032248227068
Qty.	50 items
Product data	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16
Packaging	Box

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Data sheet

BCZ 3.81/05/180F SN BK BX

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

Dimensions and weights

Depth	16.1 mm	Depth (inches)	0.6339 inch
Height	11.1 mm	Height (inches)	0.437 inch
Width	29.47 mm	Width (inches)	1.1602 inch
Net weight	5.08 g		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	ea9dd4b8-c51f-409c-885a-41700372be61

System Parameters

Product family	OMNIMATE Signal - series BC/SC 3.81			
Type of connection	Field connection			
Wire connection method	Clamping yoke connection			
Pitch in mm (P)	3.81 mm			
Pitch in inches (P)	0.150 "			
Conductor outlet direction	180°			
Number of poles	5			
L1 in mm	15.24 mm			
L1 in inches	0.600 "			
Number of rows	1			
Pin series quantity	1			
Rated cross-section	1 mm²			
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch			
Touch-safe protection acc. to DIN VDE 0470	IP20 plugged/ IP10 unplugged			
Protection degree	IP20			
Volume resistance	≤5 mΩ			
Can be coded	Yes			
Stripping length	7 mm			
Clamping screw	M 2			
Screwdriver blade	0.4 x 2.5			
Screwdriver blade standard	DIN 5264			
Plugging cycles	25			
Plugging force/pole, max.	7 N			
Pulling force/pole, max.	5 N			
Tightening torque	Torque type	Wire connection		
	Usage information	Tightening torque	min.	0.2 Nm
			max.	0.25 Nm
	Torque type	Screw flange		
	Usage information	Tightening torque	min.	0.15 Nm

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Technical data

				max.	0.2 Nm

Material data

Insulating material	PA 66 GF 30	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	II
Comparative Tracking Index (CTI)	≥ 550	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Cu-alloy
Contact surface	tinned	Layer structure of plug contact	0.5...1.5 µm Cu / 2...5 µm Sn
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

Conductors suitable for connection

Clamping range, min.	0.08 mm²			
Clamping range, max.	1.5 mm²			
Wire connection cross section AWG, min.	AWG 28			
Wire connection cross section AWG, max.	AWG 16			
Solid, min. H05(07) V-U	0.2 mm²			
Solid, max. H05(07) V-U	1.5 mm²			
Flexible, min. H05(07) V-K	0.2 mm²			
Flexible, max. H05(07) V-K	1.5 mm²			
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm²			
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm²			
w. wire end ferrule, DIN 46228 pt 1, min.	0.2 mm²			
w. wire end ferrule, DIN 46228 pt 1, max.	1.5 mm²			
Plug gauge in accordance with EN 60999 a x b; ø	2.4 mm x 1.5 mm			
Clampable conductor	Cross-section for conductor connection	Type	fine-wired	
		nominal	0.5 mm²	
	wire end ferrule	Stripping length	nominal	6 mm
		Recommended wire-end ferrule	H0,5/6	
	Cross-section for conductor connection	Type	fine-wired	
		nominal	0.75 mm²	
	wire end ferrule	Stripping length	nominal	6 mm
		Recommended wire-end ferrule	H0,75/6	
	Cross-section for conductor connection	Type	fine-wired	
		nominal	1 mm²	
	wire end ferrule	Stripping length	nominal	6 mm
		Recommended wire-end ferrule	H1,0/6	
	Cross-section for conductor connection	Type	fine-wired	
		nominal	1.5 mm²	
	wire end ferrule	Stripping length	nominal	7 mm
		Recommended wire-end ferrule	H1,5/7	
Reference text	The outside diameter of the plastic collar should not be larger than the pitch (P), Length of ferrules is to be chosen depending on the product and the rated voltage.			

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Technical data

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)	17.5 A	Rated current, min. number of poles (Tu=40°C)	17 A
Rated current, max. number of poles (Tu=40°C)	15.2 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

Institute (CSA)	CSA	Certificate No. (CSA)	200039-1121690
Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group C / CSA)	50 V
Rated current (Use group B / CSA)	8 A	Rated current (Use group C / CSA)	8 A
Wire cross-section, AWG, min.	AWG 28	Wire cross-section, AWG, max.	AWG 16
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

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
Wire cross-section, AWG, min.	AWG 28	Wire cross-section, AWG, max.	AWG 16
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

Packing

Packaging	Box	VPE length	91.00 mm
VPE width	80.00 mm	VPE height	70.00 mm

Type tests

Test: Durability of markings	Standard	DIN EN 61984 section 7.3.2 / 09.02 taking pattern from DIN EN 60068-2-70 / 07.96
	Test	mark of origin, type identification, rated voltage, rated cross-section, pitch, type of material, approval marking UL, approval marking CSA
	Evaluation	available
	Test	durability
	Evaluation	passed
Test: Misengagement (Non-interchangeability)	Standard	DIN EN 61984 section 6.3 and 6.9.1 / 09.02, DIN EN 60512-13-5 / 11.06
	Test	180° turned without coding elements
	Evaluation	passed
	Test	visual examination
	Evaluation	passed
Test: Clampable cross section	Standard	DIN EN 60999-1 section 7 and 9.1 / 12.00, DIN EN 60947-1 section 8.2.4.5.1 / 12.02

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Technical data

	Conductor type	Type of conductor and conductor cross-section	solid 0.08 mm²
		Type of conductor and conductor cross-section	stranded 0.08 mm²
		Type of conductor and conductor cross-section	solid 1.5 mm²
		Type of conductor and conductor cross-section	stranded 1.5 mm²
		Type of conductor and conductor cross-section	AWG 28/1
		Type of conductor and conductor cross-section	AWG 28/19
		Type of conductor and conductor cross-section	AWG 16/1
		Type of conductor and conductor cross-section	AWG 16/19
	Evaluation	passed	
Test for damage to and accidental loosening of conductors	Standard	DIN EN 60999-1 section 9.4 / 12.00	
	Requirement	0.2 kg	
	Conductor type	Type of conductor and conductor cross-section	stranded 0.25 mm²
		Type of conductor and conductor cross-section	AWG 28/1
		Type of conductor and conductor cross-section	AWG 28/19
	Evaluation	passed	
	Requirement	0.3 kg	
	Conductor type	Type of conductor and conductor cross-section	solid 0.5 mm²
	Evaluation	passed	
	Requirement	0.4 kg	
	Conductor type	Type of conductor and conductor cross-section	solid 1.5 mm²
		Type of conductor and conductor cross-section	stranded 1.5 mm²
		Type of conductor and conductor cross-section	AWG 16/1
		Type of conductor and conductor cross-section	AWG 16/19
	Evaluation	passed	
Pull-out test	Standard	DIN EN 60999-1 section 9.5 / 12.00	
	Requirement	≥10 N	
	Conductor type	Type of conductor and conductor cross-section	stranded 0.25 mm²
		Type of conductor and conductor cross-section	AWG 28/1

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Technical data

		Type of conductor and conductor cross-section	AWG 28/19
	Evaluation	passed	
	Requirement	≥20 N	
	Conductor type	Type of conductor and conductor cross-section	H05V-U0.5
	Evaluation	passed	
	Requirement	≥40 N	
	Conductor type	Type of conductor and conductor cross-section	H07V-U1.5
		Type of conductor and conductor cross-section	H07V-K1.5
		Type of conductor and conductor cross-section	AWG 16/1
		Type of conductor and conductor cross-section	AWG 16/19
	Evaluation	passed	

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	• Additional variants 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. • 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 • Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

Classifications

ETIM 8.0	EC002638	ETIM 9.0	EC002638
ETIM 10.0	EC002638	ECLASS 14.0	27-46-02-02
ECLASS 15.0	27-46-02-02		

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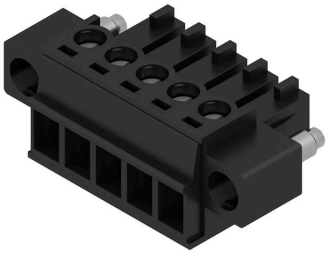
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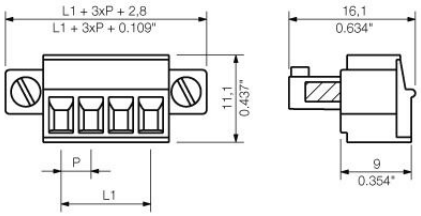
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Drawings

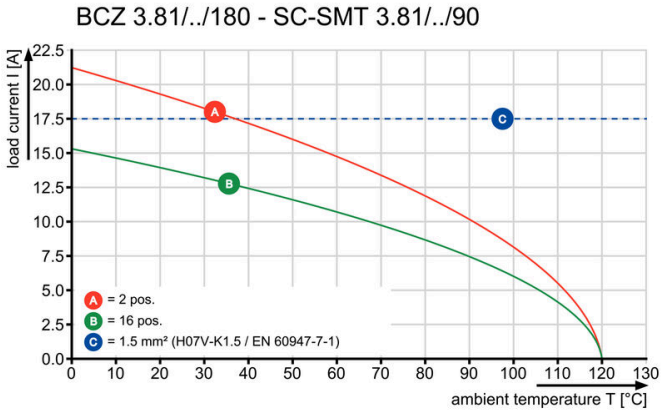
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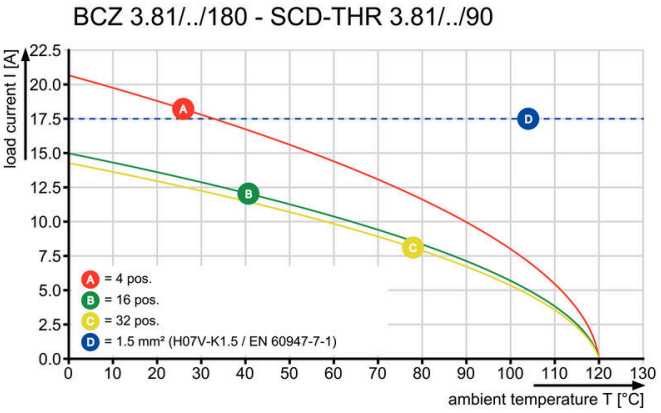
Dimensional drawing



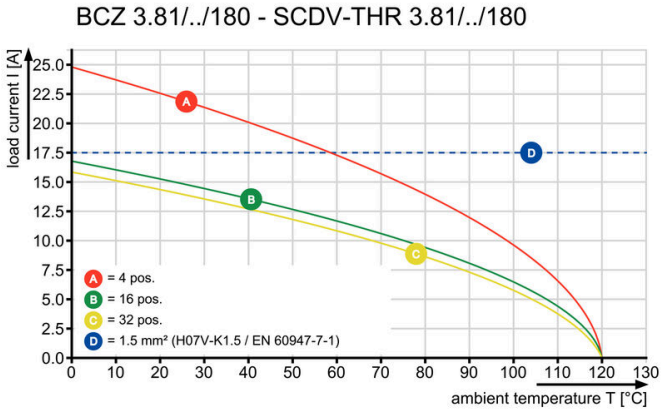
Graph



Graph



Graph



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Accessories

Cover hoods



Effective protection, optimised ergonomics and closed design:
From the strain relief on the connected conductors and the visual/contact protection and the disconnection aid: the optional retrofit hoods perform mechanical, visual and haptic functions.
The two half shells clip together securely, enclose the plug completely and offer the following functions:
- Cable ties or integrated cable clips provide strain relief.
- Marked with dekafix labels or adhesive strips
- Mounting side by side without losing poles or displacing the pitch
- Compatible: suitable for plugs with or without a flange or mounting bracket
- Flexible: 1-3 cable outlets leading in different directions available depending on the size

Weidmüller hoods offer added stability, better identification, complete compatibility and versatility.
The result: maximum reliability and user-friendliness in any application.

General ordering data

Type	BCZ 3.81 AH05 BK BX	Version
Order No.	1005300000	PCB plug-in connector, Accessories, Hood, black, Number of poles: 5
GTIN (EAN)	4032248752522	
Qty.	100 ST	

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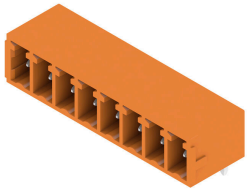
BCZ 3.81/05/180F SN BK BX

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Counterpart

SC 3.81/90G

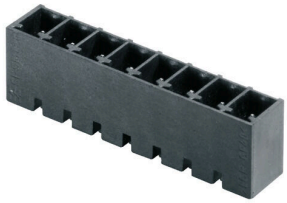


The SC pin header has a parallel (recumbent) plugging direction in relation to the PCB. It is available in closed (G) and screw flange (F) versions.
Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors. They support a flood-light display and offer space for labelling and coding.

General ordering data

Type	SC 3.81/05/90G 3.2SN OR...	Version
Order No.	1942090000	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248655496	connection, 3.81 mm, Number of poles: 5, 90°, Solder pin length (l):
Qty.	84 ST	3.2 mm, tinned, orange, Box

SC-SMT 3.81/180G Box



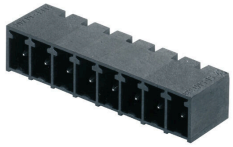
High-temperature-resistant pin header (SC-SMT 180G) in 3.81-mm pitch (0.15 inch)
- Plugging direction is perpendicular to PCB (standing)
- Closed (G) .
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

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 3.81/05/180G 1.5...	Version
Order No.	1863780000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248428922	connection, 3.81 mm, Number of poles: 5, 180°, Solder pin length (l):
Qty.	50 ST	1.5 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 3.81/05/90G 1.5S...	Version
Order No.	1862990000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248428090	connection, 3.81 mm, Number of poles: 5, 90°, Solder pin length (l):
Qty.	50 ST	1.5 mm, tinned, black, Box

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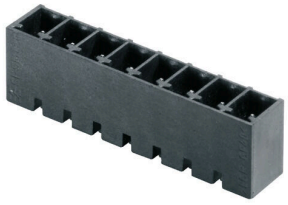
BCZ 3.81/05/180F SN BK BX

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Counterpart

SC-SMT 3.81/180G Tape



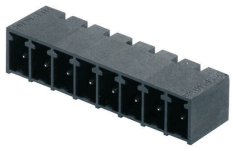
High-temperature-resistant pin header (SC-SMT 180G) in 3.81-mm pitch (0.15 inch)
- Plugging direction is perpendicular to PCB (standing)
- Closed (G) .
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

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 3.81/05/180G 3.2...	Version
Order No.	1863540000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248428588	connection, 3.81 mm, Number of poles: 5, 180°, Solder pin length (l):
Qty.	300 ST	3.2 mm, tinned, black, Tape

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 3.81/05/90G 3.2S...	Version
Order No.	1862500000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248427635	connection, 3.81 mm, Number of poles: 5, 90°, Solder pin length (l):
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 3.81/05/180G 1.5...	Version
Order No.	1864300000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248429370	connection, 3.81 mm, Number of poles: 5, 180°, Solder pin length (l):
Qty.	300 ST	1.5 mm, tinned, black, Tape

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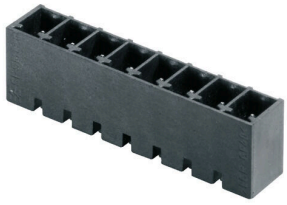
BCZ 3.81/05/180F SN BK BX

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Counterpart

SC-SMT 3.81/180G Box



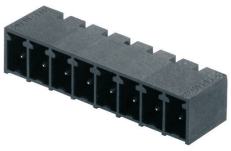
High-temperature-resistant pin header (SC-SMT 180G) in 3.81-mm pitch (0.15 inch)
- Plugging direction is perpendicular to PCB (standing)
- Closed (G) .
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

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 3.81/05/180G 3.2...	Version
Order No.	1863010000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248428144	connection, 3.81 mm, Number of poles: 5, 180°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, black, Box

SC-SMT 3.81/90G Tape



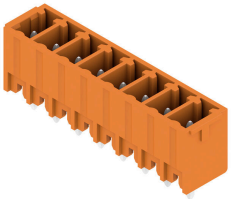
High-temperature-resistant pin header (SC-SMT 90G) in 3.81-mm pitch (0.15 inch)
- Plugging direction parallel to PCB (recumbent)
- Closed (G)
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

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 3.81/05/90G 3.2S...	Version
Order No.	1862870000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248427802	connection, 3.81 mm, Number of poles: 5, 90°, Solder pin length (l):
Qty.	400 ST	3.2 mm, tinned, black, Tape
Type	SC-SMT 3.81/05/90G 1.5S...	Version
Order No.	1863170000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248428366	connection, 3.81 mm, Number of poles: 5, 90°, Solder pin length (l):
Qty.	400 ST	1.5 mm, tinned, black, Tape

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.

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BCZ 3.81/05/180F SN BK BX

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Germany

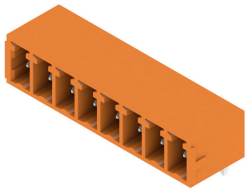
www.weidmueller.com

Counterpart

General ordering data

Type	SC 3.81/05/180G 3.2SN G...	Version
Order No.	1793640000	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248230761	connection, 3.81 mm, Number of poles: 5, 180°, Solder pin length (l):
Qty.	84 ST	3.2 mm, tinned, Pale green, Box

SC 3.81/90G

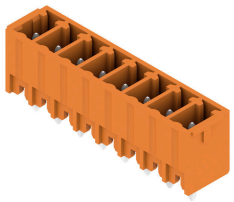


The SC pin header has a parallel (recumbent) plugging direction in relation to the PCB. It is available in closed (G) and screw flange (F) versions.
Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors. They support a flood-light display and offer space for labelling and coding.

General ordering data

Type	SC 3.81/05/90G 3.2SN BK...	Version
Order No.	1793160000	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248227655	connection, 3.81 mm, Number of poles: 5, 90°, Solder pin length (l):
Qty.	84 ST	3.2 mm, tinned, black, Box
Type	SC 3.81/05/90G 3.2SN GN...	Version
Order No.	1793270000	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248227747	connection, 3.81 mm, Number of poles: 5, 90°, Solder pin length (l):
Qty.	84 ST	3.2 mm, tinned, Pale green, 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.

General ordering data

Type	SC 3.81/05/180G 3.2SN B...	Version
Order No.	1793550000	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248230464	connection, 3.81 mm, Number of poles: 5, 180°, Solder pin length (l):
Qty.	84 ST	3.2 mm, tinned, black, Box
Type	SC 3.81/05/180G 3.2SN O...	Version
Order No.	1942870000	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248654727	connection, 3.81 mm, Number of poles: 5, 180°, Solder pin length (l):
Qty.	84 ST	3.2 mm, tinned, orange, Box

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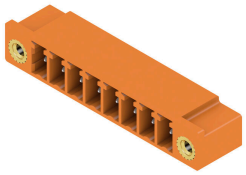
BCZ 3.81/05/180F SN BK BX

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Counterpart

SC 3.81/90F

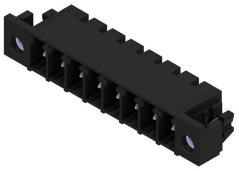


The SC pin header has a parallel (recumbent) plugging direction in relation to the PCB. It is available in closed (G) and screw flange (F) versions.
Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors. They support a flood-light display and offer space for labelling and coding.

General ordering data

Type	SC 3.81/05/90F 3.2SN OR...	Version
Order No.	1942480000	PCB plug-in connector, male header, Flange, THT solder connection,
GTIN (EAN)	4032248655113	3.81 mm, Number of poles: 5, 90°, Solder pin length (I): 3.2 mm,
Qty.	60 ST	tinned, orange, Box

SC-SMT 3.81/90LF Tape



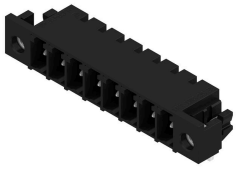
High-temperature-resistant pin header (SC-SMT 90LF) in 3.81-mm pitch (0.15 inch)
- Plugging direction parallel to PCB (recumbent)
- With solder flange (LF).
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

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.

General ordering data

Type	SC-SMT 3.81/05/90LF 1.5...	Version
Order No.	1862790000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248427970	connection, 3.81 mm, Number of poles: 5, 90°, Solder pin length (I):
Qty.	400 ST	1.5 mm, tinned, black, Tape

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.

General ordering data

Type	SC-SMT 3.81/05/90LF 1.5...	Version
Order No.	1862600000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248427567	connection, 3.81 mm, Number of poles: 5, 90°, Solder pin length (I):
Qty.	50 ST	1.5 mm, tinned, black, Box

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BCZ 3.81/05/180F SN BK BX

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Counterpart

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.

General ordering data

Type	SC-SMT 3.81/05/180LF 1....	Version
Order No.	1864100000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248429301	connection, 3.81 mm, Number of poles: 5, 180°, Solder pin length (l):
Qty.	50 ST	1.5 mm, tinned, black, Box

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.

General ordering data

Type	SC-SMT 3.81/05/180LF 1....	Version
Order No.	1864250000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248429554	connection, 3.81 mm, Number of poles: 5, 180°, Solder pin length (l):
Qty.	300 ST	1.5 mm, tinned, black, Tape

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.

General ordering data

Type	SC-SMT 3.81/05/180LF 3....	Version
Order No.	1863280000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248428465	connection, 3.81 mm, Number of poles: 5, 180°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, black, Box

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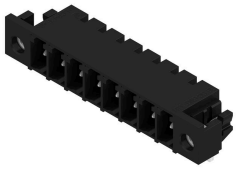
BCZ 3.81/05/180F SN BK BX

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Klingenbergstraße 26
D-32758 Detmold
Germany

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Counterpart

SC-SMT 3.81/90LF Box



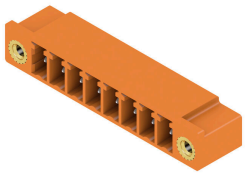
High-temperature-resistant pin header (SC-SMT 90LF) in 3.81-mm pitch (0.15 inch)
- Plugging direction parallel to PCB (recumbent)
- With solder flange (LF).
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

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.

General ordering data

Type	SC-SMT 3.81/05/90LF 3.2...	Version
Order No.	1863700000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248428885	connection, 3.81 mm, Number of poles: 5, 90°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, black, Box

SC 3.81/90F

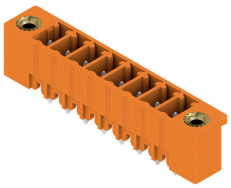


The SC pin header has a parallel (recumbent) plugging direction in relation to the PCB. It is available in closed (G) and screw flange (F) versions.
Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors. They support a flood-light display and offer space for labelling and coding.

General ordering data

Type	SC 3.81/05/90F 3.2SN GN...	Version
Order No.	1793450000	PCB plug-in connector, male header, Flange, THT solder connection,
GTIN (EAN)	4032248228720	3.81 mm, Number of poles: 5, 90°, Solder pin length (l): 3.2 mm,
Qty.	60 ST	tinned, Pale green, Box
Type	SC 3.81/05/90F 3.2SN BK...	Version
Order No.	1793360000	PCB plug-in connector, male header, Flange, THT solder connection,
GTIN (EAN)	4032248228430	3.81 mm, Number of poles: 5, 90°, Solder pin length (l): 3.2 mm,
Qty.	60 ST	tinned, black, Box

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.

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BCZ 3.81/05/180F SN BK BX

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Counterpart

General ordering data

Type	SC 3.81/05/180F 3.2SN G...	Version
Order No.	1793820000	PCB plug-in connector, male header, Flange, THT solder connection,
GTIN (EAN)	4032248230945	3.81 mm, Number of poles: 5, 180°, Solder pin length (l): 3.2 mm,
Qty.	60 ST	tinned, Pale green, Box
Type	SC 3.81/05/180F 3.2SN B...	Version
Order No.	1793730000	PCB plug-in connector, male header, Flange, THT solder connection,
GTIN (EAN)	4032248230853	3.81 mm, Number of poles: 5, 180°, Solder pin length (l): 3.2 mm,
Qty.	60 ST	tinned, black, Box
Type	SC 3.81/05/180F 3.2SN O...	Version
Order No.	1943210000	PCB plug-in connector, male header, Flange, THT solder connection,
GTIN (EAN)	4032248654383	3.81 mm, Number of poles: 5, 180°, Solder pin length (l): 3.2 mm,
Qty.	60 ST	tinned, orange, Box

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