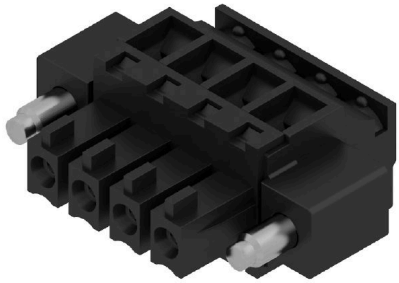
Data sheet

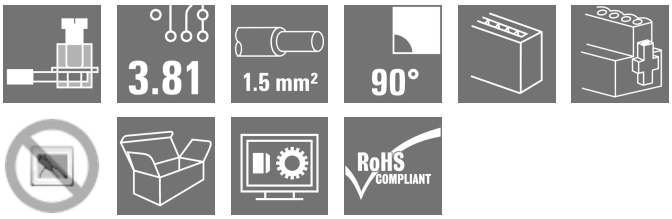
BCZ 3.81/04/90F SN BK BX

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

www.weidmueller.com

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: 4, 90°, Clamping yoke connection, Clamping range, max. : 1.5 mm², Box
Order No.	1798790000
Type	BCZ 3.81/04/90F SN BK BX
GTIN (EAN)	4032248243471
Qty.	50 ST
Product data	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 16
Packaging	Box

Data sheet

BCZ 3.81/04/90F 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	19.1 mm	Depth (inches)	0.752 inch
Height	10.5 mm	Height (inches)	0.4134 inch
Width	25.66 mm	Width (inches)	1.0102 inch
Net weight	4.24 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	90°			
Number of poles	4			
L1 in mm	11.43 mm			
L1 in inches	0.450 "			
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)	15.9 A	Rated current, min. number of poles (Tu=40°C)	17.5 A
Rated current, max. number of poles (Tu=40°C)	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

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	90.00 mm
VPE width	82.00 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 6.0	EC002638	ETIM 7.0	EC002638
ETIM 8.0	EC002638	ETIM 9.0	EC002638
ETIM 10.0	EC002638	ECLASS 9.0	27-44-03-09
ECLASS 9.1	27-44-03-09	ECLASS 10.0	27-44-03-09
ECLASS 11.0	27-46-02-02	ECLASS 12.0	27-46-02-02
ECLASS 13.0	27-46-02-02	ECLASS 14.0	27-46-02-02
ECLASS 15.0	27-46-02-02		

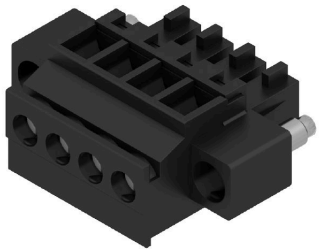
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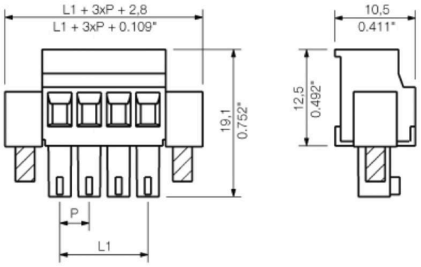
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Drawings

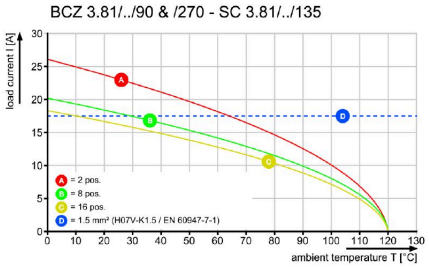
Product image



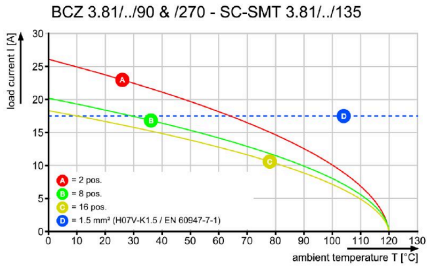
Dimensional drawing



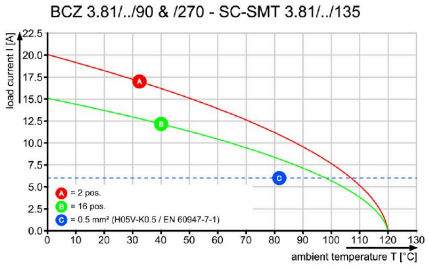
Graph



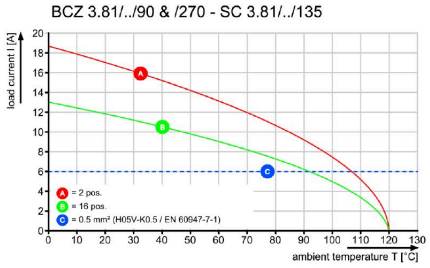
Graph



Graph



Graph



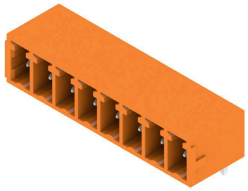
BCZ 3.81/04/90F SN BK BX

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Counterpart

SC 3.81/90G

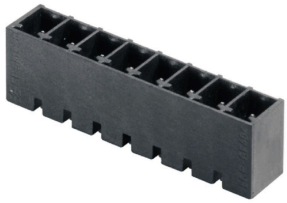


The SC pin header has a parallel (recumbent) plugging direction in relation to the PCB. It is available in closed (G) and screw flange (F) versions.
Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors. They support a flood-light display and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

General ordering data

Type	SC 3.81/04/90G 3.2SN OR...	Version
Order No.	1942070000	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248655502	connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
Qty.	108 ST	3.2 mm, tinned, orange, Box

SC-SMT 3.81/180G Tape



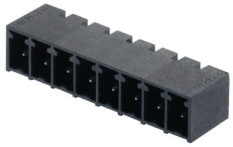
High-temperature-resistant pin header (SC-SMT 180G) in 3.81-mm pitch (0.15 inch)
- Plugging direction is perpendicular to PCB (standing)
- Closed (G) .
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

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 3.81/04/180G 1.5...	Version
Order No.	1864290000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248429363	connection, 3.81 mm, Number of poles: 4, 180°, Solder pin length (l):
Qty.	300 ST	1.5 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 3.81/04/90G 1.5S...	Version
Order No.	1862980000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248428083	connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
Qty.	50 ST	1.5 mm, tinned, black, Box

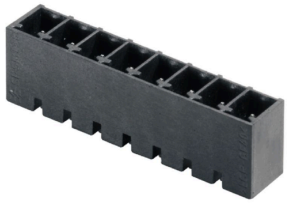
BCZ 3.81/04/90F SN BK BX

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Counterpart

SC-SMT 3.81/180G Tape



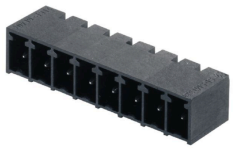
High-temperature-resistant pin header (SC-SMT 180G) in 3.81-mm pitch (0.15 inch)
- Plugging direction is perpendicular to PCB (standing)
- Closed (G) .
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

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 3.81/04/180G 3.2...	Version
Order No.	1863490000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248428571	connection, 3.81 mm, Number of poles: 4, 180°, Solder pin length (l):
Qty.	300 ST	3.2 mm, tinned, black, Tape

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 3.81/04/90G 3.2S...	Version
Order No.	1862860000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248427796	connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
Qty.	400 ST	3.2 mm, tinned, black, Tape

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 3.81/04/180G 1.5...	Version
Order No.	1863750000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248428915	connection, 3.81 mm, Number of poles: 4, 180°, Solder pin length (l):
Qty.	50 ST	1.5 mm, tinned, black, Box

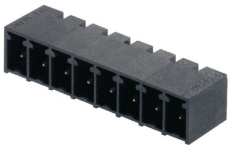
BCZ 3.81/04/90F SN BK BX

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Counterpart

SC-SMT 3.81/90G Box



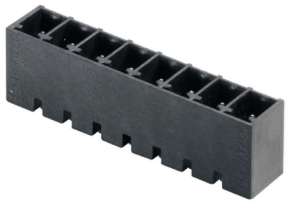
High-temperature-resistant pin header (SC-SMT 90G) in 3.81-mm pitch (0.15 inch)
- Plugging direction parallel to PCB (recumbent)
- Closed (G)
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

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 3.81/04/90G 3.2S...	Version
Order No.	1862490000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248427628	connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, black, Box

SC-SMT 3.81/180G Box



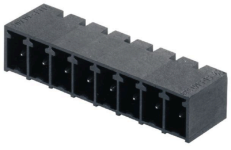
High-temperature-resistant pin header (SC-SMT 180G) in 3.81-mm pitch (0.15 inch)
- Plugging direction is perpendicular to PCB (standing)
- Closed (G) .
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

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 3.81/04/180G 3.2...	Version
Order No.	1862950000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248428137	connection, 3.81 mm, Number of poles: 4, 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 3.81/04/90G 1.5S...	Version
Order No.	1863160000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248428359	connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
Qty.	400 ST	1.5 mm, tinned, black, Tape

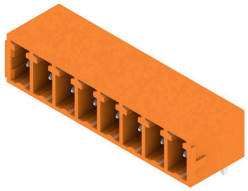
BCZ 3.81/04/90F SN BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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Germany

www.weidmueller.com

Counterpart

SC 3.81/90G

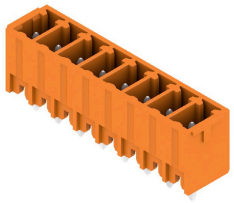


The SC pin header has a parallel (recumbent) plugging direction in relation to the PCB. It is available in closed (G) and screw flange (F) versions.
Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors. They support a flood-light display and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

General ordering data

Type	SC 3.81/04/90G 3.2SN BK...	Version
Order No.	1793150000	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248227648	connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
Qty.	108 ST	3.2 mm, tinned, black, Box

SC 3.81/180G

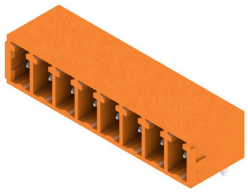


The SC pin header has a perpendicular (standing) plugging direction in relation to the PCB. It is available in closed (G) and screw flange (F) versions.
Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

General ordering data

Type	SC 3.81/04/180G 3.2SN G...	Version
Order No.	1793630000	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248230754	connection, 3.81 mm, Number of poles: 4, 180°, Solder pin length (l):
Qty.	108 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 3.81/04/90G 3.2SN GN...	Version
Order No.	1793260000	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248227730	connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
Qty.	108 ST	3.2 mm, tinned, Pale green, Box

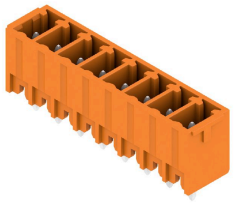
BCZ 3.81/04/90F SN BK BX

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Klingenbergstraße 26
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Counterpart

SC 3.81/180G

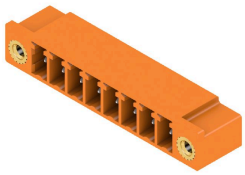


The SC pin header has a perpendicular (standing) plugging direction in relation to the PCB. It is available in closed (G) and screw flange (F) versions.
Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

General ordering data

Type	SC 3.81/04/180G 3.2SN B...	Version
Order No.	1793540000	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248230457	connection, 3.81 mm, Number of poles: 4, 180°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, black, Box
Type	SC 3.81/04/180G 3.2SN O...	Version
Order No.	1942860000	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248654734	connection, 3.81 mm, Number of poles: 4, 180°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, orange, Box

SC 3.81/90F

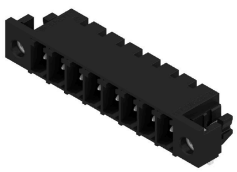


The SC pin header has a parallel (recumbent) plugging direction in relation to the PCB. It is available in closed (G) and screw flange (F) versions.
Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors. They support a flood-light display and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

General ordering data

Type	SC 3.81/04/90F 3.2SN OR...	Version
Order No.	1942470000	PCB plug-in connector, male header, Flange, THT solder connection,
GTIN (EAN)	4032248655120	3.81 mm, Number of poles: 4, 90°, Solder pin length (l): 3.2 mm,
Qty.	66 ST	tinned, orange, Box

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.

BCZ 3.81/04/90F SN BK BX

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Counterpart

General ordering data

Type	SC-SMT 3.81/04/90LF 1.5...	Version
Order No.	1862590000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248427550	connection, 3.81 mm, Number of poles: 4, 90°, 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 3.81/04/180LF 1....	Version
Order No.	1864240000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248429547	connection, 3.81 mm, Number of poles: 4, 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 3.81/04/180LF 3....	Version
Order No.	1863260000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248428458	connection, 3.81 mm, Number of poles: 4, 180°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, black, Box

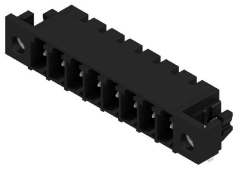
BCZ 3.81/04/90F SN BK BX

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Counterpart

SC-SMT 3.81/90LF Box



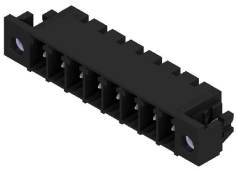
High-temperature-resistant pin header (SC-SMT 90LF) in 3.81-mm pitch (0.15 inch)
- Plugging direction parallel to PCB (recumbent)
- With solder flange (LF).
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

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 3.81/04/90LF 3.2...	Version
Order No.	1863690000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248428878	connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, black, 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 3.81/04/90LF 3.2...	Version
Order No.	1863980000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248429226	connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
Qty.	400 ST	3.2 mm, tinned, black, Tape
Type	SC-SMT 3.81/04/90LF 1.5...	Version
Order No.	1862770000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248427963	connection, 3.81 mm, Number of poles: 4, 90°, Solder pin length (l):
Qty.	400 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.

BCZ 3.81/04/90F SN BK BX

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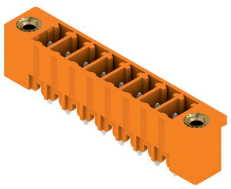
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Counterpart

General ordering data

Type	SC-SMT 3.81/04/180LF 1....	Version
Order No.	1864090000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248429295	connection, 3.81 mm, Number of poles: 4, 180°, Solder pin length (l):
Qty.	50 ST	1.5 mm, tinned, black, Box

SC 3.81/180F

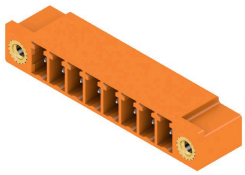


The SC pin header has a perpendicular (standing) plugging direction in relation to the PCB. It is available in closed (G) and screw flange (F) versions.
Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

General ordering data

Type	SC 3.81/04/180F 3.2SN B...	Version
Order No.	1793720000	PCB plug-in connector, male header, Flange, THT solder connection,
GTIN (EAN)	4032248230846	3.81 mm, Number of poles: 4, 180°, Solder pin length (l): 3.2 mm,
Qty.	66 ST	tinned, black, Box
Type	SC 3.81/04/180F 3.2SN G...	Version
Order No.	1793810000	PCB plug-in connector, male header, Flange, THT solder connection,
GTIN (EAN)	4032248230938	3.81 mm, Number of poles: 4, 180°, Solder pin length (l): 3.2 mm,
Qty.	66 ST	tinned, Pale green, 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 3.81/04/90F 3.2SN BK...	Version
Order No.	1793350000	PCB plug-in connector, male header, Flange, THT solder connection,
GTIN (EAN)	4032248228423	3.81 mm, Number of poles: 4, 90°, Solder pin length (l): 3.2 mm,
Qty.	66 ST	tinned, black, Box
Type	SC 3.81/04/90F 3.2SN GN...	Version
Order No.	1793440000	PCB plug-in connector, male header, Flange, THT solder connection,
GTIN (EAN)	4032248228713	3.81 mm, Number of poles: 4, 90°, Solder pin length (l): 3.2 mm,
Qty.	66 ST	tinned, Pale green, Box

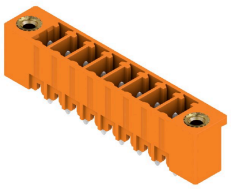
BCZ 3.81/04/90F SN BK BX

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Counterpart

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.

General ordering data

Type	SC 3.81/04/180F 3.2SN O...	Version
Order No.	1943200000	PCB plug-in connector, male header, Flange, THT solder connection,
GTIN (EAN)	4032248654390	3.81 mm, Number of poles: 4, 180°, Solder pin length (l): 3.2 mm,
Qty.	66 ST	tinned, orange, Box