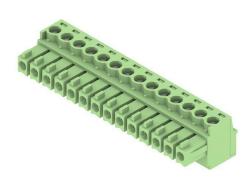


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Product image























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: 14, 180°, Clamping yoke con- nection, Clamping range, max.: 1.5 mm², Box
Order No.	<u>1899470000</u>
Туре	BCZ 3.81/14/180 SN GN BX
GTIN (EAN)	4032248519378
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	Вох



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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	<u>UL Website</u>
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	53.43 mm	Width (inches)	2.1035 inch
Net weight	10.98 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

OMNIMATE Signal - series BC/SC 3.81			
Field connection			
Clamping yoke connection			
3.81 mm			
0.150 "			
180°			
14			
49.53 mm			
1.950 "			
1			
1			
1 mm ²			
Safe from finger touch			
IP20 plugged/ IP10 unplugged			
IP20			
≤5 mΩ			
Yes			
7 mm			
M 2			
0.4 x 2.5			
DIN 5264			
25			
7 N			
5 N			
Torque type	Wire connection		
Usage information	Tightening torque	min.	0.2 Nm
		max.	0.25 Nm
	Field connection Clamping yoke connection 3.81 mm 0.150 " 180° 14 49.53 mm 1.950 " 1 1 mm² Safe from finger touch IP20 plugged/ IP10 unplugged IP20 \leq 5 m Ω Yes 7 mm M 2 0.4 x 2.5 DIN 5264 25 7 N 5 N Torque type	Field connection Clamping yoke connection 3.81 mm 0.150 " 180° 14 49.53 mm 1.950 " 1 1 mm² Safe from finger touch IP20 plugged/ IP10 unplugged IP20 ≤5 mΩ Yes 7 mm M 2 0.4 x 2.5 DIN 5264 25 7 N 5 N Torque type Wire connection	Field connection Clamping yoke connection 3.81 mm 0.150

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Technical data

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N/I	ate	ri a	пи	212

Insulating material	PA 66 GF 30	Colour	green
Colour chart (similar)	RAL 6032	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	0.51.5 μm Cu / 25 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 conn	ection		
Clamping range, min.	0.08 mm ²		
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 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. plastic collar ferrule, DIN 46228 pt min.	4, 0.2 mm²		
w. plastic collar ferrule, DIN 46228 pt max.			
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		
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	Туре	fine-wired
		nominal	0.5 mm ²
	wire end ferrule	Stripping length	nominal 6 mm
		Recommended wire- end ferrule	<u>H0,5/6</u>
	Cross-section for conductor connection	Type	fine-wired
		nominal	0.75 mm ²
	wire end ferrule	Stripping length	nominal 6 mm
		Recommended wire- end ferrule	H0,75/6
	Cross-section for conductor connection	Туре	fine-wired
		nominal	1 mm ²
	wire end ferrule	Stripping length	nominal 6 mm
		Recommended wire- end ferrule	H1,0/6
	Cross-section for conductor connection	Туре	fine-wired
		nominal	1.5 mm ²
	wire end ferrule	Stripping length	nominal 7 mm
		Recommended wire- end ferrule	H1,5/7
Reference text	The outside diameter of the plastic collar shows is to be chosen depending on the product and		tch (P), Length of fer





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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	130.00 mm
VPE width	84.00 mm	VPE height	69.00 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 solid 0.08 mm ² and conductor cross-section
		Type of conductor stranded 0.08 mm ² and conductor cross-section
		Type of conductor solid 1.5 mm ² and conductor cross-section
		Type of conductor stranded 1.5 mm ² and conductor cross-section
		Type of conductor AWG 28/1 and conductor cross-section
		Type of conductor AWG 28/19 and conductor cross-section
		Type of conductor AWG 16/1 and conductor cross-section
		Type of conductor AWG 16/19 and conductor cross-section
	Evaluation	passed
st for damage to and accidental	Standard	DIN EN 60999-1 section 9.4 / 12.00
osening of conductors	Requirement	0.2 kg
	Conductor type	Type of conductor stranded 0.25 mm ² and conductor cross-section
		Type of conductor AWG 28/1 and conductor cross-section
		Type of conductor AWG 28/19 and conductor cross-section
	Evaluation	passed
	Requirement	0.3 kg
	Conductor type	Type of conductor solid 0.5 mm ² and conductor cross-section
	Evaluation	passed
	Requirement	0.4 kg
	Conductor type	Type of conductor solid 1.5 mm ² and conductor cross-section
		Type of conductor stranded 1.5 mm ² and conductor cross-section
		Type of conductor AWG 16/1 and conductor cross-section
		Type of conductor AWG 16/19 and conductor cross-section
	Evaluation	passed
II-out test	Standard	DIN EN 60999-1 section 9.5 / 12.00
	Requirement	≥10 N
	Conductor type	Type of conductor stranded 0.25 mm ² and conductor cross-section
		Type of conductor AWG 28/1 and conductor cross-section





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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 $^{\circ}\text{C}$ 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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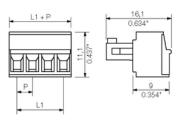
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Drawings

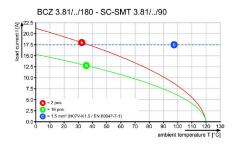
Product image

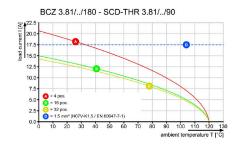


Dimensional drawing

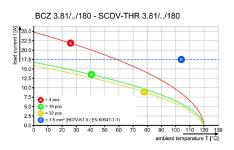


Graph Graph





Graph





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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

-	DOZ O O4 ALIA4 DK DV	· ·
Type	BCZ 3.81 AH14 BK BX	Version
Order No.	1005390000	PCB plug-in connector, Accessories, Hood, black, Number of poles: 14
GTIN (EAN)	4032248752614	
Qty.	10 ST	

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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 3.81/14/90F 3.2SN OR...
 Version

 Order No.
 1942570000
 PCB plug-in connector, male header, Flange, THT solder connection,

 GTIN (EAN)
 4032248655021
 3.81 mm, Number of poles: 14, 90°, Solder pin length (I): 3.2 mm,

 Oty.
 24 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-onreel, 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 3.81/14/90LF 3.2...
 Version

 Order No.
 1863850000
 PCB plug-in connector, male header, Solder flange, THT/THR solder

 GTIN (EAN)
 4032248429073
 connection, 3.81 mm, Number of poles: 14, 90°, Solder pin length (I):

 Qty.
 50 ST
 3.2 mm, tinned, black, Box

SC-SMT 3.81/180LF Box



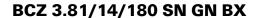
High-temperature-resistant pin header (SC-SMT 180LF) in 3.81-mm pitch (0.15 inch)

- Plugging direction is perpendicular to PCB (standing)
- With solder flange (LF).
- Packed either in box (BX) or on anti-static roll (tape-onreel, 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

Туре	SC-SMT 3.81/14/180LF 1	Version
Order No.	<u>1864190000</u>	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248429493	connection, 3.81 mm, Number of poles: 14, 180°, Solder pin length
Qty.	50 ST	(I): 1.5 mm, tinned, black, Box

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Counterpart

Туре	SC-SMT 3.81/14/180LF 3	Version
Order No.	1863440000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248428656	connection, 3.81 mm, Number of poles: 14, 180°, Solder pin length
Qty.	50 ST	(I): 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

Туре	SC 3.81/14/90F 3.2SN GN	Version
Order No.	<u>1942680000</u>	PCB plug-in connector, male header, Flange, THT solder connection,
GTIN (EAN)	4032248654918	3.81 mm, Number of poles: 14, 90°, Solder pin length (I): 3.2 mm,
Qty.	50 ST	tinned, Pale green, Box
Type	SC 3.81/14/90F 3.2SN BK	Version
Type Order No.	SC 3.81/14/90F 3.2SN BK 1942780000	Version PCB plug-in connector, male header, Flange, THT solder connection,
	, ,	

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 3.81/14/180F 3.2SN B Version Order No. 1943500000 PCB plug-in connector, male header, Flange, THT solder connection, GTIN (EAN) 4032248654093 3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm, Qty. 24 ST tinned, black, Box Type SC 3.81/14/180F 3.2SN G Version Order No. 1943410000 PCB plug-in connector, male header, Flange, THT solder connection, GTIN (EAN) 4032248654185 3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm, Qty. 50 ST tinned, Pale green, Box Type SC 3.81/14/180F 3.2SN O Version Order No. 1943300000 PCB plug-in connector, male header, Flange, THT solder connection, GTIN (EAN) 4032248654291 3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm, Qty. 24 ST tinned, orange, Box			
GTIN (EAN) 4032248654093 3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm, Oty. 24 ST tinned, black, Box Type SC 3.81/14/180F 3.2SN G Version Order No. 1943410000 PCB plug-in connector, male header, Flange, THT solder connection, GTIN (EAN) 4032248654185 3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm, Oty. 50 ST tinned, Pale green, Box Type SC 3.81/14/180F 3.2SN O Version Order No. 1943300000 PCB plug-in connector, male header, Flange, THT solder connection, GTIN (EAN) 4032248654291 3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm,	Туре	SC 3.81/14/180F 3.2SN B	Version
Oty. 24 ST tinned, black, Box Type SC 3.81/14/180F 3.2SN G Version Order No. 1943410000 PCB plug-in connector, male header, Flange, THT solder connection, GTIN (EAN) 4032248654185 3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm, Qty. 50 ST tinned, Pale green, Box Type SC 3.81/14/180F 3.2SN O Version Order No. 1943300000 PCB plug-in connector, male header, Flange, THT solder connection, GTIN (EAN) 4032248654291 3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm,	Order No.	<u>1943500000</u>	PCB plug-in connector, male header, Flange, THT solder connection,
Type SC 3.81/14/180F 3.2SN G Version Order No. 1943410000 PCB plug-in connector, male header, Flange, THT solder connection, GTIN (EAN) 4032248654185 3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm, Qty. 50 ST tinned, Pale green, Box Type SC 3.81/14/180F 3.2SN O Version Order No. 1943300000 PCB plug-in connector, male header, Flange, THT solder connection, GTIN (EAN) 4032248654291 3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm,	GTIN (EAN)	4032248654093	3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm,
Order No. 1943410000 PCB plug-in connector, male header, Flange, THT solder connection, GTIN (EAN) 4032248654185 3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm, Oty. 50 ST tinned, Pale green, Box Type SC 3.81/14/180F 3.2SN O Version Order No. 1943300000 PCB plug-in connector, male header, Flange, THT solder connection, GTIN (EAN) 4032248654291 3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm,	Qty.	24 ST	tinned, black, Box
GTIN (EAN) 4032248654185 3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm, Qty. 50 ST tinned, Pale green, Box Type SC 3.81/14/180F 3.2SN O Version Order No. 1943300000 PCB plug-in connector, male header, Flange, THT solder connection, GTIN (EAN) 4032248654291 3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm,	Туре	SC 3.81/14/180F 3.2SN G	Version
Oty. 50 ST tinned, Pale green, Box Type SC 3.81/14/180F 3.2SN 0 Version Order No. 1943300000 PCB plug-in connector, male header, Flange, THT solder connection, GTIN (EAN) 4032248654291 3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm,	Order No.	1943410000	PCB plug-in connector, male header, Flange, THT solder connection,
Type SC 3.81/14/180F 3.2SN 0 Version Order No. 1943300000 PCB plug-in connector, male header, Flange, THT solder connection, GTIN (EAN) 4032248654291 3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm,	GTIN (EAN)	4032248654185	3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm,
Order No. 1943300000 PCB plug-in connector, male header, Flange, THT solder connection, 4032248654291 3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm,	Qty.	50 ST	tinned, Pale green, Box
GTIN (EAN) 4032248654291 3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm,	Туре	SC 3.81/14/180F 3.2SN O	Version
	Order No.	<u>1943300000</u>	PCB plug-in connector, male header, Flange, THT solder connection,
Qty. 24 ST tinned, orange, Box	GTIN (EAN)	4032248654291	3.81 mm, Number of poles: 14, 180°, Solder pin length (I): 3.2 mm,
	Qty.	24 ST	tinned, orange, Box

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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 3.81/02/90G 3.2SN 0R...
 Version

 Order No.
 1942020000
 PCB plug-in connector, male header, closed side, THT solder

 GTIN (EAN)
 4032248655526
 connection, 3.81 mm, Number of poles: 2, 90°, Solder pin length (I):

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

General ordering data

 Type
 SC-SMT 3.81/02/180G 1.5...
 Version

 Order No.
 1864050000
 PCB plug-in connector, male header, closed side, THT/THR solder

 GTIN (EAN)
 4032248429172
 connection, 3.81 mm, Number of poles: 2, 180°, Solder pin length (I):

 Qty.
 300 ST
 1.5 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-onreel, 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

Creation date 09.11.2025 12:01:22 MEZ

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



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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-onreel, 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

Туре	SC-SMT 3.81/02/90G 3.2S	Version	
Order No.	1862460000	PCB plug-in connector, male header, closed side, THT/THR solder	
GTIN (EAN)	4032248427611	connection, 3.81 mm, Number of poles: 2, 90°, Solder pin length (I):	
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-onreel, 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

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

SC-SMT 3.81/90G Box



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

- Plugging direction parallel to PCB (recumbent)
- Closed (G)
- Packed either in box (BX) or on anti-static roll (tape-onreel, 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

Creation date 09.11.2025 12:01:22 MEZ

Туре	SC-SMT 3.81/02/90G 1.5S	Version
Order No.	<u>1862960000</u>	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248428069	connection, 3.81 mm, Number of poles: 2, 90°, Solder pin length (I):
Qty.	50 ST	1.5 mm, tinned, black, Box



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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 3.81/02/180G 3.2SN B...
 Version

 Order No.
 1793520000
 PCB plug-in connector, male header, closed side, THT solder

 GTIN (EAN)
 4032248230433
 connection, 3.81 mm, Number of poles: 2, 180°, Solder pin length (I):

 Oty.
 50 ST
 3.2 mm, tinned, black, 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

Туре	SC 3.81/02/90G 3.2SN BK	Version
Order No.	<u>1793130000</u>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248227624	connection, 3.81 mm, Number of poles: 2, 90°, Solder pin length (I):
Qty.	198 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

Creation date 09.11.2025 12:01:22 MEZ

Туре	SC 3.81/02/180G 3.2SN G	Version
Order No.	<u>1793610000</u>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248230730	connection, 3.81 mm, Number of poles: 2, 180°, Solder pin length (I):
Qty.	198 ST	3.2 mm, tinned, Pale green, Box



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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 3.81/02/90G 3.2SN GN...
 Version

 Order No.
 1793240000
 PCB plug-in connector, male header, closed side, THT solder

 GTIN (EAN)
 4032248227716
 connection, 3.81 mm, Number of poles: 2, 90°, Solder pin length (I):

 Qty.
 198 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.

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General ordering data

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Туре	SC 3.81/02/180G 3.2SN O	Version
Order No.	<u>1942840000</u>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248654758	connection, 3.81 mm, Number of poles: 2, 180°, Solder pin length (I):
Qty.	198 ST	3.2 mm, tinned, orange, Box