



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Product image















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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: 6, 180°, Clamping yoke connec- tion, Clamping range, max. : 1.5 mm², Box
Order No.	<u>1793080000</u>
Туре	BCZ 3.81/06/180F SN GN BX
GTIN (EAN)	4032248227167
Qty.	50 items
Product data	IEC: 320 V / 17.5 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 28 - AWG 16
Packaging	Вох





Weidmüller Interface GmbH & Co. KG

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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	33.28 mm	Width (inches)	1.3102 inch
Net weight	5.86 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

MNIMATE Signal - series BC/SC 3.81 ield connection clamping yoke connection 8.81 mm 9.150 " 80° is 9.05 mm 9.750 " mm² tafe from finger touch			
Clamping yoke connection .81 mm .150 " .80° .9.05 mm .750 "			
.81 mm .150 " 80° 9.05 mm .750 "			
9.05 mm 0.750 "			
9.05 mm 9.750 "			
9.05 mm 9.750 "			
9.05 mm 9.750 " mm ²			
0.750 " mm ²			
mm ²			
afe from finger touch			
P20 plugged/ IP10 unplugged			
20			
5 mΩ			
'es			
mm			
1 2			
.4 x 2.5			
DIN 5264			
5			
N			
N			
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
0 E 6 1 T L	20 5 mΩ es mm 2 4 x 2.5 N 5264 5 N N N Torque type Usage information	20 plugged/ IP10 unplugged 20 pmΩ 2s pm 2	20 plugged/ IP10 unplugged 20

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				max.	0.2 Nm
Material data					
Insulating material	PA 66 GF 30	Colour		green	
Colour chart (similar)		Insulating mate	erial group	II	
Comparative Tracking Index (CTI)		Moisture Level	<u> </u>		
JL 94 flammability rating		Contact materia	<u>'</u>	Cu-alloy	
Contact surface	tinned	Layer structure	of plug contact	0.51.5 μm (Sn	Cu / 25 µr
Storage temperature, min.	-40 °C	Storage temper	rature, max.	70 °C	
Operating temperature, min.	-50 °C	Operating temp	perature, max.	120 °C	
Temperature range, installation, min.	-25 ℃	Temperature ra	nge, installation, max.	120 °C	
Conductors suitable for conn	ection				
Clamping range, min.	0.08 mm ²				
Clamping range, max.	1.5 mm ²				
Wire connection cross section AWG, min.	AWG 28				
Wire connection cross section AWG, max.	AWG 16				
Solid, min. H05(07) V-U	0.2 mm ²				
Solid, max. H05(07) V-U	1.5 mm²				
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 mm ²				
w. plastic collar ferrule, DIN 46228 pt max.	4, 1.5 mm²				
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 c	onnection	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		Туре	fine-wired	
			nominal	0.75 mm ²	
	wire end ferrule		Stripping length	nominal	6 mm
			Recommended wire end ferrule		
	Cross-section for conductor c	onnection	Туре	fine-wired	
			nominal	1 mm²	
	wire end ferrule		Stripping length Recommended wire end ferrule	nominal - <u>H1,0/6</u>	6 mm
	Cross section for conductor comments			fine-wired	
	Cross-section for conductor connection wire end ferrule		Type nominal	1.5 mm ²	
			Stripping length	nominal	7 mm
	wile end lendle		Recommended wire end ferrule		7 111111
Reference text	The outside dismeter of the pl	actic collar cha	uld not be larger than the	nitch (P) Lenc	th of forrul

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Technical data

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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	79.00 mm	VPE height	71.00 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
Test for damage to and accidental	Standard	DIN EN 60999-1 section 9.4 / 12.00
oosening 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
Pull-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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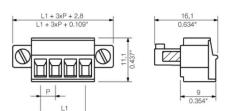
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Dimensional drawing

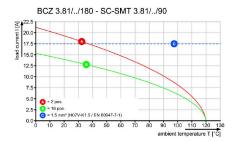
Drawings

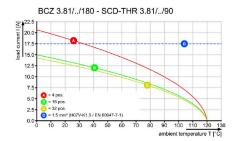
Product image



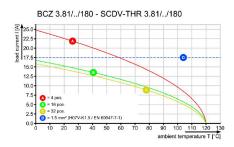


Graph Graph





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

Туре	BCZ 3.81 AH06 BK BX	Version
Order No.	1005310000	PCB plug-in connector, Accessories, Hood, black, Number of poles: 6
GTIN (EAN)	4032248752539	
Qty.	10 ST	

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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 3.81/06/90G 3.2SN OR...
 Version

 Order No.
 1942100000
 PCB plug-in connector, male header, closed side, THT solder

 GTIN (EAN)
 4032248655489
 connection, 3.81 mm, Number of poles: 6, 90°, Solder pin length (I):

 Oty.
 72 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 3.81/06/180G 1.5...
 Version

 Order No.
 1864310000
 PCB plug-in connector, male header, closed side, THT/THR solder

 GTIN (EAN)
 4032248429387
 connection, 3.81 mm, Number of poles: 6, 180°, Solder pin length (I):

 Qty.
 300 ST
 1.5 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-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 3.81/06/90G 3.2S	Version
Order No.	<u>1862880000</u>	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248428014	connection, 3.81 mm, Number of poles: 6, 90°, Solder pin length (I):
Qty.	400 ST	3.2 mm, tinned, black, Tape

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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-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 3.81/06/180G 1.5	Version
Order No.	1863830000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248428946	connection, 3.81 mm, Number of poles: 6, 180°, Solder pin length (I):
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-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 3.81/06/90G 1.5S	Version
Order No.	1863000000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248428106	connection, 3.81 mm, Number of poles: 6, 90°, Solder pin length (I):
Qty.	50 ST	1.5 mm, tinned, black, Box
Туре	SC-SMT 3.81/06/90G 3.2S	Version
Type Order No.	SC-SMT 3.81/06/90G 3.2S 1862510000	Version PCB plug-in connector, male header, closed side, THT/THR solder

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.

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Counterpart

General ordering data

Type SC-SMT 3.81/06/180G 3.2... Version
Order No. 1863020000 PCB plug

Order No. 1863020000 PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN) 4032248428151 connection, 3.81 mm, Number of poles: 6, 180°, Solder pin length (I):

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-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 3.81/06/90G 1.5S	Version
Order No.	1863180000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248428373	connection, 3.81 mm, Number of poles: 6, 90°, Solder pin length (I):
Qty.	400 ST	1.5 mm, tinned, black, Tape

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 3.81/06/90G 3.2SN BK	Version
Order No.	<u>1793170000</u>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248227662	connection, 3.81 mm, Number of poles: 6, 90°, Solder pin length (I):
Qty.	72 ST	3.2 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 3.81/06/180G 3.2SN G	Version
Order No.	<u>1793650000</u>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248230778	connection, 3.81 mm, Number of poles: 6, 180°, Solder pin length (I):
Qty.	72 ST	3.2 mm, tinned, Pale green, Box
Туре	SC 3.81/06/180G 3.2SN B	Version
Type Order No.	SC 3.81/06/180G 3.2SN B 1793560000	Version PCB plug-in connector, male header, closed side, THT solder
	, ,	

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 3.81/06/90G 3.2SN GN	Version
Order No.	<u>1793280000</u>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248227754	connection, 3.81 mm, Number of poles: 6, 90°, Solder pin length (I):
Qty.	72 ST	3.2 mm, tinned, Pale green, Box

SC 3.81/180G



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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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Counterpart

General ordering data

Type SC 3.81/06/180G 3.2SN O... Version

Order No. 1942880000 PCB plug-in connector, male header, closed side, THT solder

GTIN (EAN) 4032248654710 connection, 3.81 mm, Number of poles: 6, 180°, Solder pin length (I):

Oty. 72 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 3.81/06/90F 3.2SN OR...
 Version

 Order No.
 1942490000
 PCB plug-in connector, male header, Flange, THT solder connection,

 GTIN (EAN)
 4032248655106
 3.81 mm, Number of poles: 6, 90°, Solder pin length (I): 3.2 mm,

 Qty.
 54 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 BI)
- 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 3.81/06/90LF 3.2	Version
Order No.	1863710000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248428892	connection, 3.81 mm, Number of poles: 6, 90°, Solder pin length (I):
Qty.	50 ST	3.2 mm, tinned, black, Box

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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-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 3.81/06/180LF 3	Version
Order No.	1863300000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248428472	connection, 3.81 mm, Number of poles: 6, 180°, Solder pin length (I):
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-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 3.81/06/90LF 1.5	Version
Order No.	<u>1862820000</u>	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248427987	connection, 3.81 mm, Number of poles: 6, 90°, Solder pin length (I):
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.

General ordering data

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Туре	SC-SMT 3.81/06/180LF 1	Version
Order No.	<u>1864110000</u>	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248429417	connection, 3.81 mm, Number of poles: 6, 180°, Solder pin length (I):
Qty.	50 ST	1.5 mm, tinned, black, Box



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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-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 3.81/06/90LF 1.5	Version	
Order No.	<u>1862610000</u>	PCB plug-in connector, male header, Solder flange, THT/THR solder	
GTIN (EAN)	4032248427574	connection, 3.81 mm, Number of poles: 6, 90°, Solder pin length (I):	
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-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 3.81/06/180LF 1	Version
Order No.	<u>1864260000</u>	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248429561	connection, 3.81 mm, Number of poles: 6, 180°, Solder pin length (I):
Qty.	300 ST	1.5 mm, tinned, black, Tape

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

Creation date 12.11.2025 05:52:04 MEZ

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Туре	SC 3.81/06/180F 3.2SN B	Version	
Order No.	<u>1793740000</u>	PCB plug-in connector, male header, Flange, THT solder connection,	
GTIN (EAN)	4032248230860	3.81 mm, Number of poles: 6, 180°, Solder pin length (I): 3.2 mm,	
Qty.	54 ST	tinned, black, Box	



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Counterpart

Туре	SC 3.81/06/180F 3.2SN G	Version
Order No.	<u>1793830000</u>	PCB plug-in connector, male header, Flange, THT solder connection,
GTIN (EAN)	4032248230952	3.81 mm, Number of poles: 6, 180°, Solder pin length (I): 3.2 mm,
Qty.	54 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

Туре	SC 3.81/06/90F 3.2SN GN	Version
Order No.	<u>1793460000</u>	PCB plug-in connector, male header, Flange, THT solder connection,
GTIN (EAN)	4032248228737	3.81 mm, Number of poles: 6, 90°, Solder pin length (I): 3.2 mm,
Qty.	50 ST	tinned, Pale green, Box
Туре	SC 3.81/06/90F 3.2SN BK	Version
Type Order No.	SC 3.81/06/90F 3.2SN BK 1793370000	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.

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General ordering data

Туре	SC 3.81/06/180F 3.2SN O	Version
Order No.	<u>1943220000</u>	PCB plug-in connector, male header, Flange, THT solder connection,
GTIN (EAN)	4032248654376	3.81 mm, Number of poles: 6, 180°, Solder pin length (I): 3.2 mm,
Qty.	54 ST	tinned, orange, Box