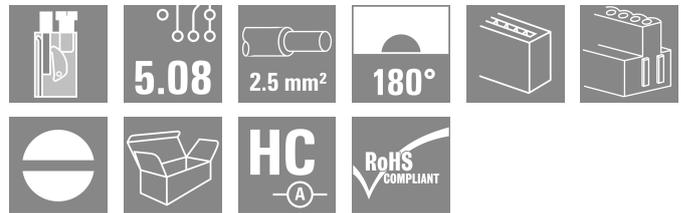


BLT 5.08HC/12/180B SN OR BX

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

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Product image



Female plugs with TOP screw connection system for connecting wires with straight 180° outlet direction. The female connectors provide space for labelling and can be coded. HC = High Current.

General ordering data

Version	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 12, 180°, TOP connection, Clamping range, max. : 2.5 mm², Box
Order No.	1502860000
Type	BLT 5.08HC/12/180B SN OR BX
GTIN (EAN)	4008190069155
Qty.	24 items
Product data	IEC: 400 V / 27 A / 0.2 - 2.5 mm² UL: 300 V / 17 A / AWG 26 - AWG 14
Packaging	Box

BLT 5.08HC/12/180B SN OR 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	31.8 mm	Depth (inches)	1.252 inch
Height	12.2 mm	Height (inches)	0.4803 inch
Width	62.98 mm	Width (inches)	2.4795 inch
Net weight	37.33 g		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

System Parameters

Product family	OMNIMATE Signal - series BL/SL 5.08		
Type of connection	Field connection		
Wire connection method	TOP connection		
Pitch in mm (P)	5.08 mm		
Pitch in inches (P)	0.200 "		
Conductor outlet direction	180°		
Number of poles	12		
L1 in mm	55.88 mm		
L1 in inches	2.200 "		
Number of rows	1		
Pin series quantity	1		
Rated cross-section	2.5 mm ²		
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	13 mm		
Clamping screw	M 2.5		
Screwdriver blade	0.6 x 3.5		
Screwdriver blade standard	DIN 5264		
Plugging cycles	25		
Plugging force/pole, max.	8 N		
Pulling force/pole, max.	7 N		
Tightening torque	Torque type	Wire connection	
	Usage information	Tightening torque	min. 0.4 Nm max. 0.5 Nm

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Technical data

Material data

Insulating material	PBT	Colour	orange
Colour chart (similar)	RAL 2000	Insulating material group	Illa
Comparative Tracking Index (CTI)	≥ 200	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Cu-alloy
Contact surface	tinned	Layer structure of plug contact	4...8 µm Sn hot-dip tinned
Storage temperature, min.	-40 °C	Storage temperature, max.	70 °C
Operating temperature, min.	-50 °C	Operating temperature, max.	100 °C
Temperature range, installation, min.	-25 °C	Temperature range, installation, max.	100 °C

Conductors suitable for connection

Clamping range, min.	0.13 mm ²
Clamping range, max.	2.5 mm ²
Wire connection cross section AWG, min.	AWG 28
Wire connection cross section AWG, max.	AWG 14
Solid, min. H05(07) V-U	0.2 mm ²
Solid, max. H05(07) V-U	2.5 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²
Flexible, max. H05(07) V-K	2.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm ²
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 ; 2.4 mm

Clampable conductor	Cross-section for conductor connection	Type	fine-wired
		nominal	0.5 mm ²
	wire end ferrule	Stripping length	nominal 14 mm
		Recommended wire-end ferrule	H0.5/18 OR
	Cross-section for conductor connection	Type	fine-wired
		nominal	1 mm ²
	wire end ferrule	Stripping length	nominal 15 mm
		Recommended wire-end ferrule	H1.0/18 GE
	Cross-section for conductor connection	Type	fine-wired
		nominal	1.5 mm ²
	wire end ferrule	Stripping length	nominal 15 mm
		Recommended wire-end ferrule	H1.5/18D SW
Stripping length		nominal 12 mm	
Recommended wire-end ferrule		H1.5/12	

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.

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	27 A
Rated current, max. number of poles (Tu=20°C)	19 A	Rated current, min. number of poles (Tu=40°C)	24 A

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Technical data

Rated current, max. number of poles (Tu=40°C)	16 A	Rated voltage for surge voltage class / pollution degree II/2	400 V
Rated voltage for surge voltage class / pollution degree III/2	320 V	Rated voltage for surge voltage class / pollution degree III/3	250 V
Rated impulse voltage for surge voltage class/ pollution degree II/2	4 kV	Rated impulse voltage for surge voltage class/ pollution degree III/2	4 kV
Rated impulse voltage for surge voltage class/ contamination degree III/3	4 kV	Short-time withstand current resistance	3 x 1s with 100 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 D / CSA)	300 V
Rated current (Use group B / CSA)	15 A	Rated current (Use group D / CSA)	15 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 14
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)	17 A	Rated current (Use group D / UL 1059)	10 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 14
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

Packing

Packaging	Box	VPE length	353.00 mm
VPE width	140.00 mm	VPE height	40.00 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 of material, date clock		
	Evaluation	available		
	Test	durability		
Test: Misengagement (Non-interchangeability)	Evaluation	passed		
	Standard	DIN EN 61984 section 6.3 and 6.9.1 / 09.02, DIN EN 60512-13-5 / 11.06		
	Test	180° turned with coding elements		
	Evaluation	passed		
Test: Clampable cross section	Test	visual examination		
	Evaluation	passed		
	Standard	DIN EN 60999-1 section 7 and 9.1 / 12.00, DIN EN 60947-1 section 8.2.4.5.1 / 12.02		
	Conductor type	Type of conductor and conductor cross-section	solid 0.08 mm ²	
		Type of conductor and conductor cross-section	stranded 0.08 mm ²	
		Type of conductor and conductor cross-section	solid 2.5 mm ²	

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Technical data

		Type of conductor and conductor cross-section	stranded 2.5 mm ²
		Type of conductor and conductor cross-section	AWG 26/1
		Type of conductor and conductor cross-section	AWG 26/19
		Type of conductor and conductor cross-section	AWG 14/1
		Type of conductor and conductor cross-section	AWG 14/19
	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	AWG 28/1
		Type of conductor and conductor cross-section	AWG 26/19
	Evaluation	passed	
	Requirement	0.3 kg	
	Conductor type	Type of conductor and conductor cross-section	solid 0.5 mm ²
		Type of conductor and conductor cross-section	stranded 0.5 mm ²
	Evaluation	passed	
	Requirement	0.7 kg	
Pull-out test	Conductor type	Type of conductor and conductor cross-section	solid 2.5 mm ²
		Type of conductor and conductor cross-section	stranded 2.5 mm ²
		Type of conductor and conductor cross-section	AWG 14/1
		Type of conductor and conductor cross-section	AWG 14/19
	Evaluation	passed	
	Standard	DIN EN 60999-1 section 9.5 / 12.00	
	Requirement	≥5 N	
	Conductor type	Type of conductor and conductor cross-section	AWG 28/1
		Evaluation	passed
	Requirement	≥10 N	
Conductor type	Type of conductor and conductor cross-section	AWG 26/19	
	Evaluation	passed	
Requirement	≥20 N		
Conductor type	Type of conductor and conductor cross-section	solid 0.5 mm ²	

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Technical data

	Type of conductor and conductor cross-section	stranded 0.5 mm ²
Evaluation	passed	
Requirement	≥40 N	
Conductor type	Type of conductor and conductor cross-section	AWG 14/1
	Type of conductor and conductor cross-section	AWG 14/19
Evaluation	passed	
Requirement	≥50 N	
Conductor type	Type of conductor and conductor cross-section	solid 2.5 mm ²
	Type of conductor and conductor cross-section	stranded 2.5 mm ²
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
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

Classifications

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

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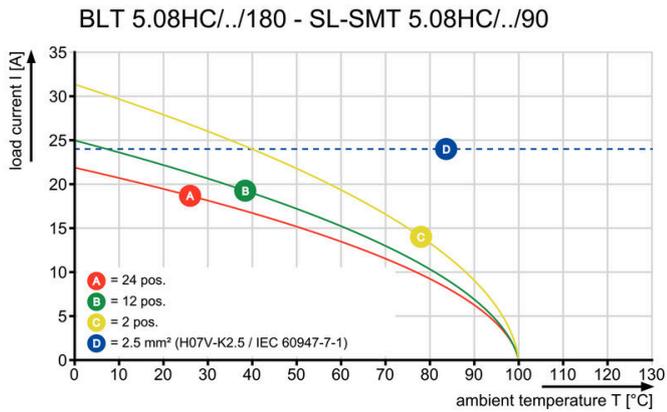
Drawings

Product image



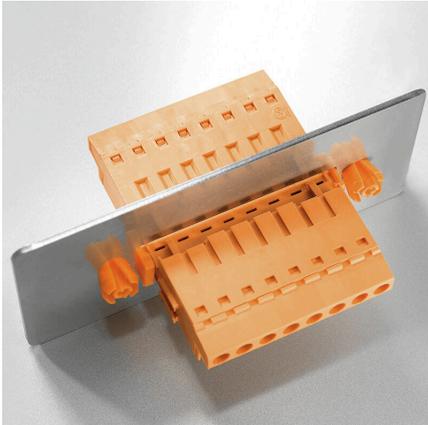
Graph

Product benefits



Lower assembly costs Secure in a matter of seconds

Product benefits



Guaranteed secure fixing
For wall thickness from 0.5 to 2 mm

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Accessories

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Blocks for PCB mounting



Minor component, major effect:

Clip-on attachment elements increase the mechanical resilience of the whole plug connection by

- securing the male connectors to the circuit board
- providing a vibration-proof connection between the sockets and the male connectors

Clip-on or pre-assembled - always the right solution:

- Hard-wearing, precise fitting dovetail joint
- Hard-wearing metal threaded inserts
- Suitable for all outlet directions

Maximum stability, minimum effort:

- Extremely resilient for frequent fastening operations
- Complete set for easy selection

The result: soldering points, contacts and overall module are more resilient against mechanical stress such as vibrations and tensile loads.

General ordering data

Type	BBDF OR	Version
Order No.	1307570000	PCB plug-in connector, Accessories, Mounting block, orange, Number
GTIN (EAN)	4050118109566	of poles: 0
Qty.	100 ST	
Type	BBDF BK	Version
Order No.	1307580000	PCB plug-in connector, Accessories, Mounting block, black, Number
GTIN (EAN)	4050118109764	of poles: 0
Qty.	100 ST	
Type	SLA BB12R SW	Version
Order No.	1626880000	PCB plug-in connector, Accessories, Mounting block, black, Number
GTIN (EAN)	4008190198213	of poles: 0
Qty.	100 ST	
Type	SLA BB11R SW	Version
Order No.	1692340000	PCB plug-in connector, Accessories, Mounting block, black, Number
GTIN (EAN)	4008190864965	of poles: 0
Qty.	20 ST	
Type	SLA BB1R OR	Version
Order No.	1723430000	PCB plug-in connector, Accessories, Mounting block, orange, Number
GTIN (EAN)	4008190365981	of poles: 0
Qty.	20 ST	
Type	SLA BB2R OR	Version
Order No.	1723440000	PCB plug-in connector, Accessories, Mounting block, orange, Number
GTIN (EAN)	4008190365998	of poles: 0
Qty.	20 ST	
Type	SLA BB5R OR	Version
Order No.	1723460000	PCB plug-in connector, Accessories, Mounting block, orange, Number
GTIN (EAN)	4008190366018	of poles: 0
Qty.	20 ST	
Type	SLA BB6R OR	Version
Order No.	1723470000	PCB plug-in connector, Accessories, Mounting block, orange, Number
GTIN (EAN)	4008190366025	of poles: 0
Qty.	20 ST	
Type	SLA BB1R SW	Version
Order No.	1723480000	PCB plug-in connector, Accessories, Mounting block, black, Number
GTIN (EAN)	4008190366032	of poles: 0
Qty.	20 ST	

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Accessories

Type	SLA BB2R SW	Version
Order No.	1723490000	PCB plug-in connector, Accessories, Mounting block, black, Number
GTIN (EAN)	4008190366049	of poles: 0
Qty.	20 ST	
Type	SLA BB5R SW	Version
Order No.	1723510000	PCB plug-in connector, Accessories, Mounting block, black, Number
GTIN (EAN)	4008190366063	of poles: 0
Qty.	20 ST	
Type	SLA BB6R SW	Version
Order No.	1723520000	PCB plug-in connector, Accessories, Mounting block, black, Number
GTIN (EAN)	4008190366070	of poles: 0
Qty.	20 ST	

Coding elements



Only connects what is supposed to be connected: the right connection at the right place.
 Coding elements and locking devices clearly assign connecting elements during the manufacturing process and operation
 The coding elements and locking devices are inserted prior to assembly or during the cable assembly phase.
 The Weidmüller alternative: configure online using the variant configurator to precode prior to delivery.
 Incorrect assembly on the circuit board and incorrect plugging of connecting elements is no longer possible.
 The advantage: no troubleshooting during manufacture and no operational errors by the user.

General ordering data

Type	BLZ/SL KO BK BX	Version
Order No.	1545710000	PCB plug-in connector, Accessories, Coding element, black, Number
GTIN (EAN)	4008190087142	of poles: 1
Qty.	50 ST	
Type	BLZ/SL KO OR BX	Version
Order No.	1573010000	PCB plug-in connector, Accessories, Coding element, orange, Number
GTIN (EAN)	4008190048396	of poles: 1
Qty.	100 ST	

Strain reliefs



For frequent load changes: the "trailer coupling" for plug-in connectors.
 The strain relief can do more than just relieve the strain on conductors:
 Simply clip onto the plug and

- bundle conductors
- guide cables
- use as a connection and disconnection aid

No damage to the connecting points, clear, tidy wiring and easy to handle.
 User advantages: permanent heavy-duty connections for harsh industrial environments and convenient operation ensure improved system availability.

BLT 5.08HC/12/180B SN OR BX

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Accessories

General ordering data

Type	BLAT ZE04 OR BX	Version	
Order No.	1577980000	PCB plug-in connector, Accessories, Strain relief, orange, Number of	
GTIN (EAN)	4008190078249	poles: 4	
Qty.	50 ST		

Blocks for PCB mounting



Minor component, major effect:

Clip-on attachment elements increase the mechanical resilience of the whole plug connection by

- securing the male connectors to the circuit board
- providing a vibration-proof connection between the sockets and the male connectors

Clip-on or pre-assembled - always the right solution:

- Hard-wearing, precise fitting dovetail joint
- Hard-wearing metal threaded inserts
- Suitable for all outlet directions

Maximum stability, minimum effort:

- Extremely resilient for frequent fastening operations
- Complete set for easy selection

The result: soldering points, contacts and overall module are more resilient against mechanical stress such as vibrations and tensile loads.

General ordering data

Type	SLA BB 12R OR	Version	
Order No.	1593450000	PCB plug-in connector, Accessories, Mounting block, orange, Number	
GTIN (EAN)	4008190122164	of poles: 0	
Qty.	100 ST		
Type	SLA BB 11R OR	Version	
Order No.	1604120000	PCB plug-in connector, Accessories, Mounting block, orange, Number	
GTIN (EAN)	4008190182977	of poles: 0	
Qty.	20 ST		

BLT 5.08HC/12/180B SN OR BX

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Counterpart

SL 5.00/90

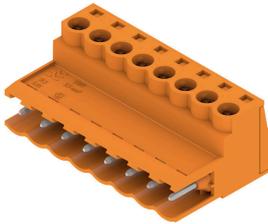


Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

General ordering data

Type	SL 5.00/12/90 4.5SN BK ...	Version
Order No.	1626080000	PCB plug-in connector, male header, open side, THT solder
GTIN (EAN)	4008190197384	connection, 5.00 mm, Number of poles: 12, 90°, Solder pin length (l):
Qty.	50 ST	4.5 mm, tinned, black, Box

SLS 5.08/180 SN



Male plugs with clamping-yoke screw wire-connect system. The male plugs provide space for labelling and can be coded.

General ordering data

Type	SLS 5.08/12/180 SN OR BX	Version
Order No.	1627190000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,
GTIN (EAN)	4008190199708	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm²,
Qty.	30 ST	Box

SLS 5.08/180T SN

General ordering data

Type	SLS 5.08/12/180T SN OR ...	Version
Order No.	1627470000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,
GTIN (EAN)	4008190199982	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm²,
Qty.	30 ST	Box

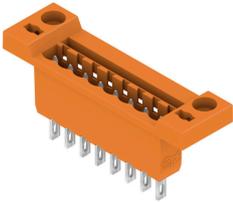
BLT 5.08HC/12/180B SN OR BX

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Counterpart

SLDF 5.08



Male connector for through-panel mounting with optional locking function. Internal connection as flat-blade or solder connection. These male connectors provide space for labelling and can be coded.

General ordering data

Type	SLDF 5.08 L/F 12 SN BK ...	Version
Order No.	1635840000	PCB plug-in connector, male header, 5.08 mm, Number of poles: 12,
GTIN (EAN)	4008190264277	180°, Flat-blade connection, Solder connection, Box
Qty.	50 ST	

SLZF 5.08/90



Male plugs with tension-clamp wire connection. The male plugs provide space for labelling and can be coded.

General ordering data

Type	SLZF 5.08/12/90 SN OR BX	Version
Order No.	1673190000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,
GTIN (EAN)	4008190434908	90°, Tension-clamp connection, Clamping range, max. : 3.31 mm²,
Qty.	50 ST	Box

SLZF 5.08/180



Male plugs with tension-clamp wire connection. The male plugs provide space for labelling and can be coded.

General ordering data

Type	SLZF 5.08/12/180 SN OR ...	Version
Order No.	1709470000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,
GTIN (EAN)	4008190950293	180°, Tension-clamp connection, Clamping range, max. : 3.31 mm²,
Qty.	50 ST	Box

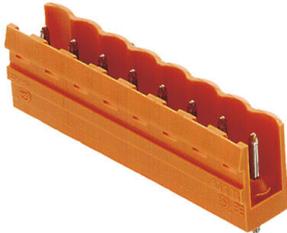
BLT 5.08HC/12/180B SN OR BX

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Counterpart

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SL 5.08/180



Male connectors with straight outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

General ordering data

Type	SL 5.08/12/180 3.2SN DK...	Version
Order No.	1518250000	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length (I): 3.2 mm, tinned, Signal green, Box
GTIN (EAN)	4008190291204	
Qty.	50 ST	
Type	SL 5.08/12/180 3.2SN OR...	Version
Order No.	1518260000	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length (I): 3.2 mm, tinned, orange, Box
GTIN (EAN)	4008190070991	
Qty.	50 ST	
Type	SL 5.08/12/180 4.5SN BK...	Version
Order No.	1522810000	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length (I): 4.5 mm, tinned, black, Box
GTIN (EAN)	4008190291624	
Qty.	50 ST	
Type	SL 5.08/12/180 4.5SN OR...	Version
Order No.	1522860000	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length (I): 4.5 mm, tinned, orange, Box
GTIN (EAN)	4008190076696	
Qty.	50 ST	

SL 5.00/90



Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

General ordering data

Type	SL 5.00/12/90 3.2SN OR ...	Version
Order No.	1571110000	PCB plug-in connector, male header, open side, THT solder connection, 5.00 mm, Number of poles: 12, 90°, Solder pin length (I): 3.2 mm, tinned, orange, Box
GTIN (EAN)	4008190140106	
Qty.	50 ST	

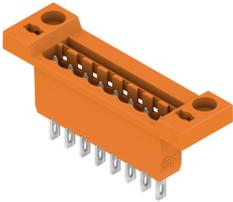
BLT 5.08HC/12/180B SN OR BX

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Counterpart

SLDF 5.08

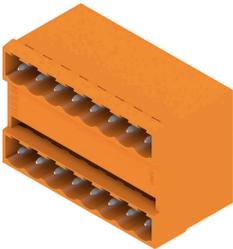


Male connector for through-panel mounting with optional locking function. Internal connection as flat-blade or solder connection. These male connectors provide space for labelling and can be coded.

General ordering data

Type	SLDF 5.08 L/F 12 SN OR ...	Version
Order No.	1599230000	PCB plug-in connector, male header, 5.08 mm, Number of poles: 12,
GTIN (EAN)	4008190155100	180°, Flat-blade connection, Solder connection, Box
Qty.	18 ST	

SLD 5.08/90G

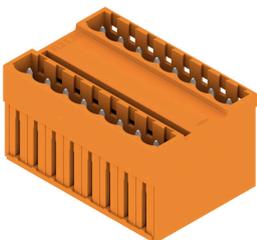


2-tier male header with parallel pin arrangement. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

General ordering data

Type	SLD 5.08/24/90G 3.2SN O...	Version
Order No.	1601890000	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4008190132835	connection, 5.08 mm, Number of poles: 24, 90°, Solder pin length (l):
Qty.	10 ST	3.2 mm, tinned, orange, Box

SLD 5.08/180G



2-tier male header with parallel pin arrangement. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

General ordering data

Type	SLD 5.08/24/180G 3.2SN ...	Version
Order No.	1602490000	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4008190183233	connection, 5.08 mm, Number of poles: 24, 180°, Solder pin length
Qty.	10 ST	(l): 3.2 mm, tinned, orange, Box

BLT 5.08HC/12/180B SN OR BX

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Counterpart

SL 5.08/135



Male connectors with 135° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

General ordering data

Type	SL 5.08/12/135 3.2SN OR...	Version
Order No.	1603160000	PCB plug-in connector, male header, open side, THT solder
GTIN (EAN)	4008190094638	connection, 5.08 mm, Number of poles: 12, 135°, Solder pin length
Qty.	50 ST	(l): 3.2 mm, tinned, orange, Box

SLT 5.08/180



Male plugs with screw TOP wire connection. The male plug provides space for labelling and can be coded.

General ordering data

Type	SLT 5.08/12/180 SN OR BX	Version
Order No.	1611660000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,
GTIN (EAN)	4008190192549	180°, TOP connection, Clamping range, max.: 2.5 mm², Box
Qty.	50 ST	

SL-SMT 5.08HC/90G Box



High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	SL-SMT 5.08HC/12/90G 3....	Version
Order No.	1780280000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248165605	connection, 5.08 mm, Number of poles: 12, 90°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, black, Box

BLT 5.08HC/12/180B SN OR BX

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Counterpart

SLDV-THR 5.08/180F



High-temperature resistant, double level, laterally offset, male connector with flange or solder flange. 1.5 mm solder pin is suitable for reflow soldering. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded.

General ordering data

Type	SLDV-THR 5.08/24/180F 1...	Version
Order No.	1828990000	PCB plug-in connector, male header, Flange, THT/THR solder
GTIN (EAN)	4032248335688	connection, 5.08 mm, Number of poles: 24, 180°, Solder pin length
Qty.	16 ST	(l): 1.5 mm, tinned, black, Box

SLDV-THR 5.08/180FLF



High-temperature resistant, double level, laterally offset, male connector with flange or solder flange. 1.5 mm solder pin is suitable for reflow soldering. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded.

General ordering data

Type	SLDV-THR 5.08/24/180FLF...	Version
Order No.	1829110000	PCB plug-in connector, male header, Flange / Solder flange, THT/THR
GTIN (EAN)	4032248335800	solder connection, 5.08 mm, Number of poles: 24, 180°, Solder pin
Qty.	16 ST	length (l): 3.2 mm, tinned, black, Box

SLDV-THR 5.08/180F



High-temperature resistant, double level, laterally offset, male connector with flange or solder flange. 1.5 mm solder pin is suitable for reflow soldering. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded.

General ordering data

Type	SLDV-THR 5.08/24/180F 3...	Version
Order No.	1828870000	PCB plug-in connector, male header, Flange, THT/THR solder
GTIN (EAN)	4032248335565	connection, 5.08 mm, Number of poles: 24, 180°, Solder pin length
Qty.	16 ST	(l): 3.2 mm, tinned, black, Box

BLT 5.08HC/12/180B SN OR BX

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Counterpart

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SLDV-THR 5.08/180FLF



High-temperature resistant, double level, laterally offset, male connector with flange or solder flange. 1.5 mm solder pin is suitable for reflow soldering. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded.

General ordering data

Type	SLDV-THR 5.08/24/180FLF...	Version
Order No.	1829230000	PCB plug-in connector, male header, Flange / Solder flange, THT/THR
GTIN (EAN)	4032248335923	solder connection, 5.08 mm, Number of poles: 24, 180°, Solder pin
Qty.	16 ST	length (l): 1.5 mm, tinned, black, Box

SL-SMT 5.08HC/90F Box

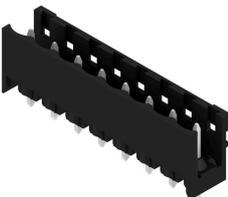


High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	SL-SMT 5.08HC/12/90F 3...	Version
Order No.	1837730000	PCB plug-in connector, male header, Flange, THT/THR solder
GTIN (EAN)	4032248347544	connection, 5.08 mm, Number of poles: 12, 90°, Solder pin length (l):
Qty.	24 ST	3.2 mm, tinned, black, Box

SL-SMT 5.08/180 Box



High-temperature-resistant, straight, open pin header. Packed in box or tape. On tape and with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	SL-SMT 5.08HC/12/180 3...	Version
Order No.	1838080000	PCB plug-in connector, male header, open side, THT/THR solder
GTIN (EAN)	4032248348145	connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length
Qty.	50 ST	(l): 3.2 mm, tinned, black, Box

BLT 5.08HC/12/180B SN OR BX

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Counterpart

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SL-SMT 5.08/180LF Box



High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	SL-SMT 5.08HC/12/180LF ...	Version
Order No.	1838540000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248348602	connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length
Qty.	24 ST	(l): 3.2 mm, tinned, black, Box

SL-SMT 5.00HC/90LF Box

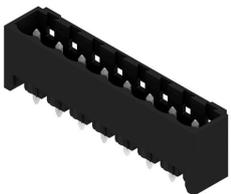


High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	SL-SMT 5.00HC/12/90LF 3...	Version
Order No.	1840450000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248351299	connection, 5.00 mm, Number of poles: 12, 90°, Solder pin length (l):
Qty.	24 ST	3.2 mm, tinned, black, Box

SL-SMT 5.08/180G Box



High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	SL-SMT 5.08HC/12/180G 3...	Version
Order No.	1838310000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248348374	connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length
Qty.	50 ST	(l): 3.2 mm, tinned, black, Box

BLT 5.08HC/12/180B SN OR BX

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Counterpart

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SLZF 5.08/180F



Male plugs with tension-clamp wire connection. The male plugs provide space for labelling and can be coded.

General ordering data

Type	SLZF 5.08/12/180F SN OR...	Version
Order No.	1847080000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,
GTIN (EAN)	4032248363216	180°, Tension-clamp connection, Clamping range, max. : 3.31 mm ² ,
Qty.	50 ST	Box

SLS 5.08/180F



Male plugs with clamping-yoke screw wire-connect system. The male plugs provide space for labelling and can be coded.

General ordering data

Type	SLS 5.08/12/180F SN OR ...	Version
Order No.	1846460000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,
GTIN (EAN)	4032248362769	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm ² ,
Qty.	24 ST	Box

SLS 5.08/180FI



Male plugs with clamping-yoke screw wire-connect system. The male plugs provide space for labelling and can be coded.

General ordering data

Type	SLS 5.08/12/180FI SN OR...	Version
Order No.	1846310000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,
GTIN (EAN)	4032248362592	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm ² ,
Qty.	24 ST	Box

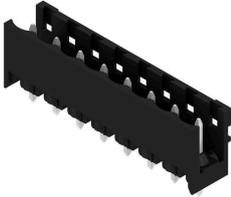
BLT 5.08HC/12/180B SN OR BX

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Counterpart

SL-SMT 5.08/180 Box



High-temperature-resistant, straight, open pin header. Packed in box or tape. On tape and with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	SL-SMT 5.08HC/12/180 1...	Version
Order No.	1775702001	PCB plug-in connector, male header, open side, THT/THR solder
GTIN (EAN)	4032248 158348	connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length
Qty.	50 ST	(l): 1.5 mm, tinned, black, Box

SL-SMT 5.08/180G Box



High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	SL-SMT 5.08HC/12/180G 1...	Version
Order No.	1776022001	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248 159017	connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length
Qty.	50 ST	(l): 1.5 mm, tinned, black, Box

SL-SMT 5.00HC/90LF Box



High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	SL-SMT 5.00HC/12/90LF 1...	Version
Order No.	1797330000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248238118	connection, 5.00 mm, Number of poles: 12, 90°, Solder pin length (l):
Qty.	50 ST	1.5 mm, tinned, black, Box

BLT 5.08HC/12/180B SN OR BX

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Counterpart

SL-SMT 5.08HC/90G Box



High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	SL-SMT 5.08HC/12/90G 1...	Version
Order No.	1775102001	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248156573	connection, 5.08 mm, Number of poles: 12, 90°, Solder pin length (l):
Qty.	50 ST	1.5 mm, tinned, black, Box

SL-SMT 5.08/180LF Box



High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	SL-SMT 5.08HC/12/180LF ...	Version
Order No.	1776462001	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248159345	connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length
Qty.	24 ST	(l): 1.5 mm, tinned, black, Box

SL-SMT 5.08HC/90LF Box



High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	SL-SMT 5.08HC/12/90LF 1...	Version
Order No.	1775332001	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248157310	connection, 5.08 mm, Number of poles: 12, 90°, Solder pin length (l):
Qty.	24 ST	1.5 mm, tinned, black, Box

BLT 5.08HC/12/180B SN OR BX

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Counterpart

Type	SL-SMT 5.08HC/12/90LF 3...	Version
Order No.	1780510000	PCB plug-in connector, male header, Solder flange, THT/THR solder
GTIN (EAN)	4032248165834	connection, 5.08 mm, Number of poles: 12, 90°, Solder pin length (l):
Qty.	24 ST	3.2 mm, tinned, black, Box

SL-SMT 5.08HC/90 Box



High-temperature-resistant, 90° angled, open male header. Packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	SL-SMT 5.08HC/12/90 3.2...	Version
Order No.	1780050000	PCB plug-in connector, male header, open side, THT/THR solder
GTIN (EAN)	4032248165377	connection, 5.08 mm, Number of poles: 12, 90°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, black, Box

SL-SMT 5.08/180F Box



High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	SL-SMT 5.08HC/12/180F 3...	Version
Order No.	1820630000	PCB plug-in connector, male header, Flange, THT/THR solder
GTIN (EAN)	4032248316595	connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length
Qty.	24 ST	(l): 3.2 mm, tinned, black, Box

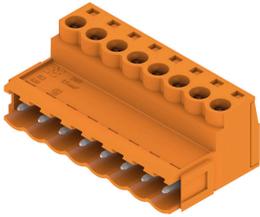
BLT 5.08HC/12/180B SN OR BX

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Counterpart

SLS 5.08/180B

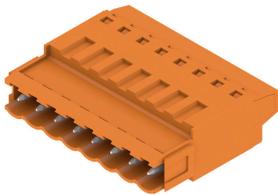


Male plugs with clamping-yoke screw wire-connect system. The male plugs provide space for labelling and can be coded.

General ordering data

Type	SLS 5.08/12/180B SN OR ...	Version
Order No.	1627340000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,
GTIN (EAN)	4008190199852	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm²,
Qty.	24 ST	Box

SLT 5.08B

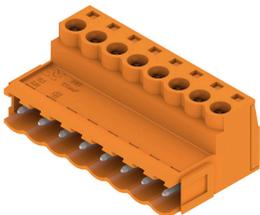


Male plugs with screw TOP wire connection. The male plug provides space for labelling and can be coded.

General ordering data

Type	SLT 5.08/12/180B SN BK ...	Version
Order No.	1640690000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,
GTIN (EAN)	4008190278939	180°, TOP connection, Clamping range, max. : 2.5 mm², Box
Qty.	50 ST	

SLS 5.08/180B



Male plugs with clamping-yoke screw wire-connect system. The male plugs provide space for labelling and can be coded.

General ordering data

Type	SLS 5.08/12/180B SN BK ...	Version
Order No.	1645330000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,
GTIN (EAN)	4008190284541	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm²,
Qty.	24 ST	Box

BLT 5.08HC/12/180B SN OR BX

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Counterpart

SLZF 5.08/90B



Male plugs with tension-clamp wire connection. The male plugs provide space for labelling and can be coded.

General ordering data

Type	SLZF 5.08/12/90B SN OR ...	Version
Order No.	1673650000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,
GTIN (EAN)	4008190435363	90°, Tension-clamp connection, Clamping range, max. : 3.31 mm²,
Qty.	50 ST	Box

SLZF 5.08/180B



Male plugs with tension-clamp wire connection. The male plugs provide space for labelling and can be coded.

General ordering data

Type	SLZF 5.08/12/180B SN OR...	Version
Order No.	1710310000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,
GTIN (EAN)	4008190319625	180°, Tension-clamp connection, Clamping range, max. : 3.31 mm²,
Qty.	50 ST	Box
Type	SLZF 5.08/12/180B SN BK...	Version
Order No.	1710540000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,
GTIN (EAN)	4008190319854	180°, Tension-clamp connection, Clamping range, max. : 3.31 mm²,
Qty.	50 ST	Box

SL 5.08/90



Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

BLT 5.08HC/12/180B SN OR BX

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Counterpart

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General ordering data

Type	SL 5.08/12/90 3.2SN OR ...	Version
Order No.	1509060000	PCB plug-in connector, male header, open side, THT solder
GTIN (EAN)	4008190105983	connection, 5.08 mm, Number of poles: 12, 90°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, orange, Box

SL 5.08/90B



Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

General ordering data

Type	SL 5.08/12/90B 3.2SN OR...	Version
Order No.	1511360000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4008190015985	solder connection, 5.08 mm, Number of poles: 12, 90°, Solder pin
Qty.	50 ST	length (l): 3.2 mm, tinned, orange, Box

SL 5.08/90



Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

General ordering data

Type	SL 5.08/12/90 4.5SN BK ...	Version
Order No.	1513610000	PCB plug-in connector, male header, open side, THT solder
GTIN (EAN)	4008190292560	connection, 5.08 mm, Number of poles: 12, 90°, Solder pin length (l):
Qty.	50 ST	4.5 mm, tinned, black, Box
Type	SL 5.08/12/90 4.5SN OR ...	Version
Order No.	1513660000	PCB plug-in connector, male header, open side, THT solder
GTIN (EAN)	4008190086206	connection, 5.08 mm, Number of poles: 12, 90°, Solder pin length (l):
Qty.	50 ST	4.5 mm, tinned, orange, Box

BLT 5.08HC/12/180B SN OR BX

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SL 5.08/90B



Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

General ordering data

Type	SL 5.08/12/90B 4.5SN BK...	Version
Order No.	1515910000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4008190090630	solder connection, 5.08 mm, Number of poles: 12, 90°, Solder pin
Qty.	50 ST	length (l): 4.5 mm, tinned, black, Box
Type	SL 5.08/12/90B 4.5SN OR...	Version
Order No.	1515960000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4008190161019	solder connection, 5.08 mm, Number of poles: 12, 90°, Solder pin
Qty.	50 ST	length (l): 4.5 mm, tinned, orange, Box

SL 5.08/180B



Male connectors with straight outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

General ordering data

Type	SL 5.08/12/180B 3.2SN D...	Version
Order No.	1520550000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4008190291419	solder connection, 5.08 mm, Number of poles: 12, 180°, Solder pin
Qty.	50 ST	length (l): 3.2 mm, tinned, Signal green, Box
Type	SL 5.08/12/180B 3.2SN O...	Version
Order No.	1520560000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4008190169077	solder connection, 5.08 mm, Number of poles: 12, 180°, Solder pin
Qty.	50 ST	length (l): 3.2 mm, tinned, orange, Box
Type	SL 5.08/12/180B 4.5SN B...	Version
Order No.	1525110000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4008190072124	solder connection, 5.08 mm, Number of poles: 12, 180°, Solder pin
Qty.	50 ST	length (l): 4.5 mm, tinned, black, Box
Type	SL 5.08/12/180B 4.5SN O...	Version
Order No.	1525160000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4008190148195	solder connection, 5.08 mm, Number of poles: 12, 180°, Solder pin
Qty.	50 ST	length (l): 4.5 mm, tinned, orange, Box

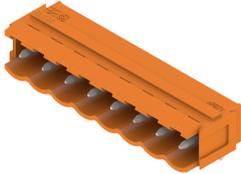
BLT 5.08HC/12/180B SN OR BX

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

www.weidmueller.com

Counterpart

SL 5.00/90B



Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

General ordering data

Type	SL 5.00/12/90B 3.2SN OR...	Version
Order No.	1580960000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4008190071851	solder connection, 5.00 mm, Number of poles: 12, 90°, Solder pin
Qty.	50 ST	length (l): 3.2 mm, tinned, orange, Box

SL 5.08/135B

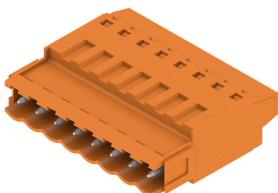


Male connectors with 135° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

General ordering data

Type	SL 5.08/12/135B 3.2SN O...	Version
Order No.	1605630000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4008190068738	solder connection, 5.08 mm, Number of poles: 12, 135°, Solder pin
Qty.	50 ST	length (l): 3.2 mm, tinned, orange, Box
Type	SL 5.08/12/135B 4.5SN O...	Version
Order No.	1606090000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4008190042820	solder connection, 5.08 mm, Number of poles: 12, 135°, Solder pin
Qty.	50 ST	length (l): 4.5 mm, tinned, orange, Box

SLT 5.08B



Male plugs with screw TOP wire connection. The male plug provides space for labelling and can be coded.

BLT 5.08HC/12/180B SN OR BX

Weidmüller Interface GmbH & Co. KG
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 Germany

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Counterpart

General ordering data

Type	SLT 5.08/12/180B SN OR ...	Version
Order No.	1611810000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,
GTIN (EAN)	4008190192693	180°, TOP connection, Clamping range, max. : 2.5 mm ² , Box
Qty.	50 ST	

SLS 5.08TB RF15



Male plugs with clamping-yoke screw wire-connect system. With clip-on feet for attaching the male plugs on rail. The male plugs provide space for labelling and can be coded.

General ordering data

Type	SLS 5.08/12/180TB RF15 ...	Version
Order No.	1846090000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,
GTIN (EAN)	4032248362370	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm ² ,
Qty.	10 ST	Box

SLS 5.08TB KF35



Male plugs with clamping-yoke screw wire-connect system. With clip-on feet for attaching the male plugs on rail. The male plugs provide space for labelling and can be coded.

General ordering data

Type	SLS 5.08/12/180TB KF SN...	Version
Order No.	1846170000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,
GTIN (EAN)	4032248362455	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm ² ,
Qty.	10 ST	Box

BLT 5.08HC/12/180B SN OR BX

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 Germany

Counterpart

www.weidmueller.com

SL 5.08/90B



Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

General ordering data

Type	SL 5.08/12/90B 3.2SN BK...	Version
Order No.	1814440000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4032248300792	solder connection, 5.08 mm, Number of poles: 12, 90°, Solder pin
Qty.	50 ST	length (l): 3.2 mm, tinned, black, Box