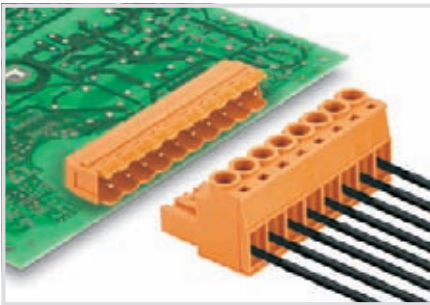


Connectors in 5.00 mm pitch

Series BL/SL 5.00

BLZP 5.00/./180



The BLZP is the functional extension of the BLZ series. The „P“ in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Product data

IEC: 400 V / 19 A / 0.2 - 4 mm²
UL: 300 V / 10 A / AWG 26 - 12

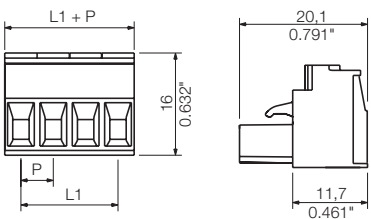
For additional articles and information, refer to catalog.weidmueller.com

- Note:**
- Additional colours on request
 - Rated current related to rated cross-section and 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 drg. = 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.

BLZP 5.00/./180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²	0.13...4		
Solid core H05(07) V-U	mm²	0.2...4		
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²	0.2...4		
Flexible with ferrule	mm ²	0.2...4		
Ferrule with plastic collar	mm ²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.4...0.5		
Rated current, max.	A	19	16	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²	4		
Overvoltage category		III	IIII	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	50	300
Rated current	A	10	10	
AWG conductor	AWG	26-12		
CSA (Use Group)		B	C	D
Rated voltage	V	300	50	300
Rated current	A	10	10	
AWG conductor	AWG	26-12		
General data				
Type of insulation material		PBT		
Flammability class UL 94		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D	mm			
Solder eyelet Ø tolerance	mm			

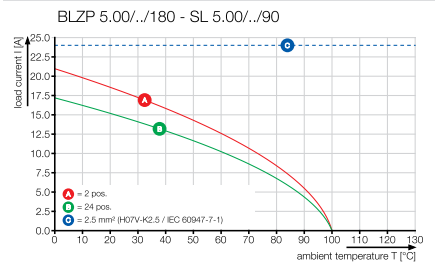
Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Strain relief		Order No.
	BLZ 5.00 ZE4 OR	1652100000
	BLZ 5.00 ZE4 SW	1652120000
	BLZ 5.00 ZE8 OR	1652040000
	BLZ 5.00 ZE8 SW	1652060000
Coding		
	BLZ/SL KO OR	1573010000
	BLZ/SL KO SW	1545710000
Screwdriver		
	SD 0,6x3,5x100	9008330000
	SDI 0,6x3,5x100	9008390000
Crosshead screwdriver		
	SDK PH1	9008480000
	SDK PZ1	9008530000

Ordering data

Solder pin length					
Colour		orange	black		
Pitch	5.00 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	100	1954490000	1955570000
3	10.00	0.394	100	1954480000	1955560000
4	15.00	0.591	100	1954470000	1955550000
5	20.00	0.787	45	1954460000	1955540000
6	25.00	0.984	45	1954450000	1955530000
7	30.00	1.181	45	1954440000	1955520000
8	35.00	1.378	45	1954430000	1955510000
9	40.00	1.575	45	1954420000	1955500000
10	45.00	1.772	45	1954410000	1955490000
11	50.00	1.969	36	1954400000	1955480000
12	55.00	2.165	36	1954390000	1955470000
13	60.00	2.362	36	1954380000	1955460000
14	65.00	2.559	27	1954370000	1955450000
15	70.00	2.756	27	1954360000	1955440000
16	75.00	2.953	27	1954350000	1955430000
17	80.00	3.150	18	1954330000	1955420000
18	85.00	3.346	18	1954320000	1955410000
19	90.00	3.543	18	1954310000	1955400000
20	95.00	3.740	18	1954300000	1955390000
21	100.00	3.937	18	1954290000	1955380000
22	105.00	4.134	18	1954280000	1955370000
23	110.00	4.331	18	1954270000	1955360000
24	115.00	4.528	18	1954260000	1955350000

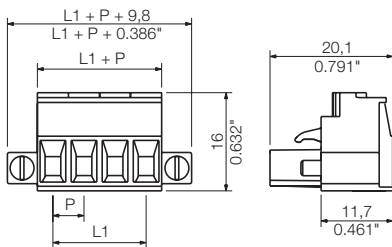
Representative derating curve



BLZP 5.00/./180F



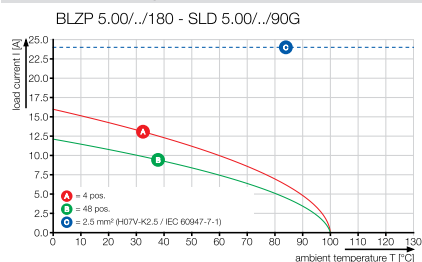
Dimensioned drawing



Ordering data

Solder pin length					
Colour			orange	black	
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	100	1955800000	1956030000
3	10.00	0.394	100	1955790000	1956020000
4	15.00	0.591	100	1955780000	1956010000
5	20.00	0.787	45	1955770000	1956000000
6	25.00	0.984	45	1955760000	1955990000
7	30.00	1.181	45	1955750000	1955980000
8	35.00	1.378	45	1955740000	1955970000
9	40.00	1.575	36	1955730000	1955960000
10	45.00	1.772	36	1955720000	1955950000
11	50.00	1.969	36	1955710000	1955940000
12	55.00	2.165	27	1955700000	1955930000
13	60.00	2.362	27	1955690000	1955920000
14	65.00	2.559	27	1955680000	1955910000
15	70.00	2.756	27	1955670000	1955900000
16	75.00	2.953	18	1955660000	1955890000
17	80.00	3.150	18	1955650000	1955880000
18	85.00	3.346	18	1955640000	1955870000
19	90.00	3.543	18	1955630000	1955860000
20	95.00	3.740	18	1955620000	1955850000
21	100.00	3.937	18	1955610000	1955840000
22	105.00	4.134	18	1955600000	1955830000
23	110.00	4.331	18	1955590000	1955820000
24	115.00	4.528	18	1955580000	1955810000

Additional derating curves

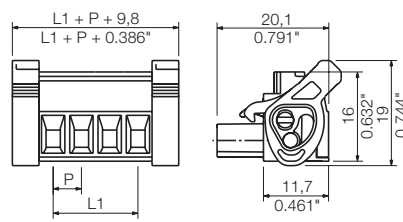


BLZP 5.00/./180LR

with lock and release lever



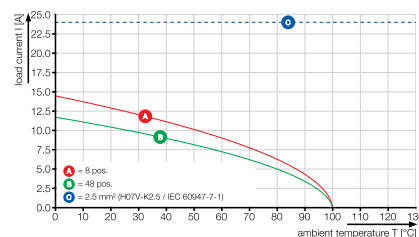
Dimensioned drawing



Ordering data

Solder pin length					
Colour			orange	black	
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	100	1956370000	1956600000
3	10.00	0.394	100	1956360000	1956590000
4	15.00	0.591	100	1956350000	1956580000
5	20.00	0.787	45	1956340000	1956570000
6	25.00	0.984	45	1956330000	1956560000
7	30.00	1.181	45	1956320000	1956550000
8	35.00	1.378	45	1956310000	1956540000
9	40.00	1.575	45	1956300000	1956530000
10	45.00	1.772	36	1956290000	1956520000
11	50.00	1.969	36	1956280000	1956510000
12	55.00	2.165	27	1956270000	1956500000
13	60.00	2.362	27	1956260000	1956490000
14	65.00	2.559	27	1956250000	1956480000
15	70.00	2.756	27	1956240000	1956470000
16	75.00	2.953	27	1956230000	1956460000
17	80.00	3.150	18	1956220000	1956450000
18	85.00	3.346	18	1956210000	1956440000
19	90.00	3.543	18	1956200000	1956430000
20	95.00	3.740	18	1956190000	1956420000
21	100.00	3.937	18	1956180000	1956410000
22	105.00	4.134	18	1956170000	1956400000
23	110.00	4.331	18	1956160000	1956390000
24	115.00	4.528	18	1956150000	1956380000

Additional derating curves



The 2-in-1 contact

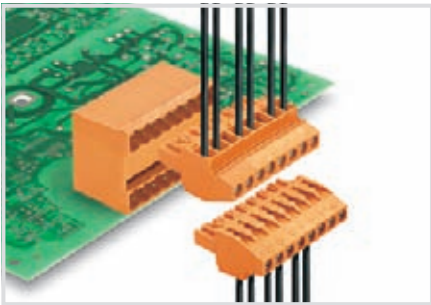
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.00 mm pitch

Series BL/SL 5.00

BLZP 5.00/././90



The BLZP is the functional extension of the BLZ series. The „P“ in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Product data

IEC: 400 V / 15.5 A / 0.2 - 4 mm²
UL: 300 V / 10 A / AWG 26 - 12

For additional articles and information, refer to catalog.weidmueller.com

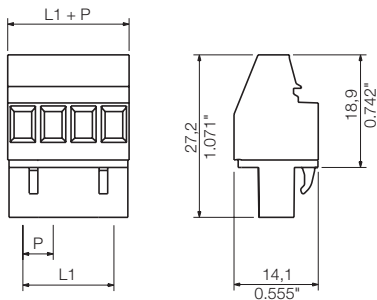
Note:

- Additional colours on request
- Rated current related to rated cross-section and 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 drg. = 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.

BLZP 5.00/././90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm²	0.2...4	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...4	
Flexible with ferrule	mm ²	0.2...4	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	15.5	12
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	4	
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	50
Rated current	A	10	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C
Rated voltage	V	300	50
Rated current	A	10	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
Flammability class UL 94		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

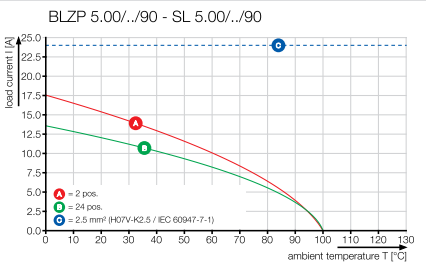
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR	1573010000
BLZ/SL KO SW	1545710000
Screwdriver	
SD 0,6x3,5x100	9008330000
SDI 0,6x3,5x100	9008390000
Crosshead screwdriver	
SDK PH1	9008480000
SDK PZ1	9008530000

Ordering data

Solder pin length					
Colour		orange		black	
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	180	1958300000	1958650000
3	10.00	0.394	120	1958290000	1958640000
4	15.00	0.591	90	1958280000	1958630000
5	20.00	0.787	72	1958270000	1958620000
6	25.00	0.984	60	1958260000	1958610000
7	30.00	1.181	48	1958250000	1958600000
8	35.00	1.378	42	1958230000	1958590000
9	40.00	1.575	36	1958190000	1958580000
10	45.00	1.772	36	1958160000	1958570000
11	50.00	1.969	30	1958130000	1958560000
12	55.00	2.165	30	1958120000	1958550000
13	60.00	2.362	24	1958090000	1958540000
14	65.00	2.559	24	1958060000	1958530000
15	70.00	2.756	24	1958040000	1958520000
16	75.00	2.953	18	1957960000	1958480000
17	80.00	3.150	18	1957910000	1958460000
18	85.00	3.346	18	1957900000	1958430000
19	90.00	3.543	18	1957880000	1958420000
20	95.00	3.740	18	1957850000	1958400000
21	100.00	3.937	12	1957830000	1958380000
22	105.00	4.134	12	1957820000	1958360000
23	110.00	4.331	12	1957800000	1958340000
24	115.00	4.528	12	1957780000	1958310000

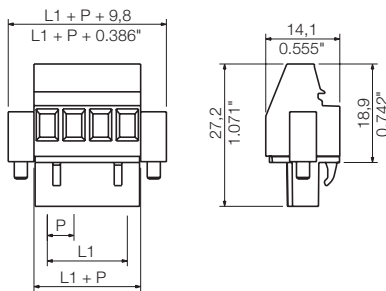
Representative derating curve



BLZP 5.00/./90F



Dimensioned drawing



Ordering data

Solder pin length

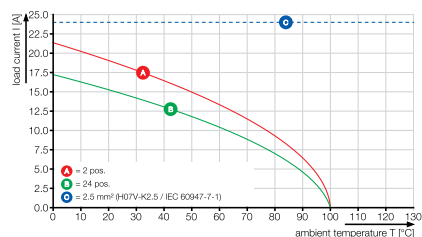
Colour	orange	black
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Pitch 5.00 mm

Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	90	1959520000	1959750000
3	10.00	0.394	72	1959510000	1959740000
4	15.00	0.591	60	1959500000	1959730000
5	20.00	0.787	48	1959490000	1959720000
6	25.00	0.984	42	1959480000	1959710000
7	30.00	1.181	36	1959470000	1959700000
8	35.00	1.378	36	1959460000	1959690000
9	40.00	1.575	30	1959440000	1959680000
10	45.00	1.772	30	1959430000	1959670000
11	50.00	1.969	24	1959390000	1959660000
12	55.00	2.165	24	1959370000	1959650000
13	60.00	2.362	24	1959360000	1959640000
14	65.00	2.559	18	1959350000	1959630000
15	70.00	2.756	18	1959340000	1959620000
16	75.00	2.953	18	1959330000	1959610000
17	80.00	3.150	18	1959320000	1959600000
18	85.00	3.346	18	1959300000	1959590000
19	90.00	3.543	12	1959290000	1959580000
20	95.00	3.740	12	1959270000	1959570000
21	100.00	3.937	12	1959250000	1959560000
22	105.00	4.134	12	1959240000	1959550000
23	110.00	4.331	12	1959220000	1959540000
24	115.00	4.528	12	1959200000	1959530000

Additional derating curves

BLZP 5.00/./90 - SL-SMT 5.00/./90



The 2-in-1 contact

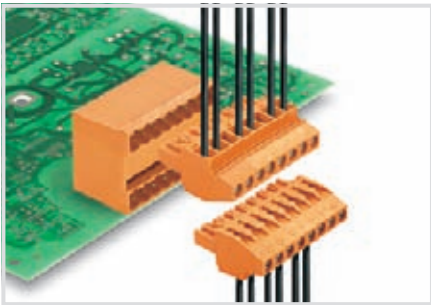
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.00 mm pitch

Series BL/SL 5.00

BLZP 5.00/././270



The BLZP is the functional extension of the BLZ series. The „P“ in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Product data

IEC: 400 V / 15.5 A / 0.2 - 4 mm²
UL: 300 V / 10 A / AWG 26 - 12

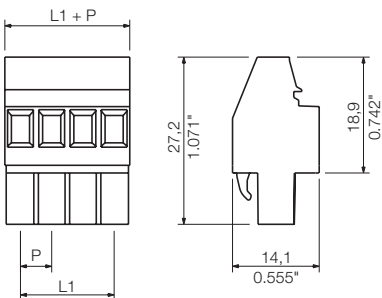
For additional articles and information, refer to catalog.weidmueller.com

- Note:**
- Additional colours on request
 - Rated current related to rated cross-section and 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 drg. = 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.

BLZP 5.00/././270



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm ²	0.2...4	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...4	
Flexible with ferrule	mm ²	0.2...4	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	15.5	12
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	4	
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	50
Rated current	A	10	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C
Rated voltage	V	300	50
Rated current	A	10	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
Flammability class UL 94		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

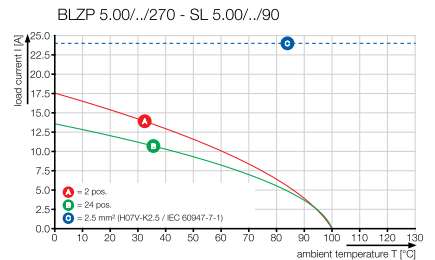
Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BLZ/SL KO OR	1573010000
	BLZ/SL KO SW	1545710000
Screwdriver		
	SD 0,6x3,5x100	9008330000
	SDI 0,6x3,5x100	9008390000
Crosshead screwdriver		
	SDK PH1	9008480000
	SDK PZ1	9008530000

Ordering data

Solder pin length					
Colour		orange	black		
Pitch	5.00 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	180	1958870000	1959100000
3	10.00	0.394	120	1958860000	1959090000
4	15.00	0.591	90	1958850000	1959080000
5	20.00	0.787	72	1958840000	1959070000
6	25.00	0.984	60	1958830000	1959060000
7	30.00	1.181	48	1958820000	1959050000
8	35.00	1.378	42	1958810000	1959040000
9	40.00	1.575	36	1958800000	1959030000
10	45.00	1.772	36	1958790000	1959020000
11	50.00	1.969	30	1958780000	1959010000
12	55.00	2.165	30	1959150000	1959000000
13	60.00	2.362	24	1958770000	1958990000
14	65.00	2.559	24	1958760000	1958980000
15	70.00	2.756	24	1958750000	1958970000
16	75.00	2.953	18	1958740000	1958960000
17	80.00	3.150	18	1958730000	1958950000
18	85.00	3.346	18	1958720000	1958940000
19	90.00	3.543	18	1958710000	1958930000
20	95.00	3.740	18	1958700000	1958920000
21	100.00	3.937	12	1958690000	1958910000
22	105.00	4.134	12	1958680000	1958900000
23	110.00	4.331	12	1958670000	1958890000
24	115.00	4.528	12	1958660000	1958880000

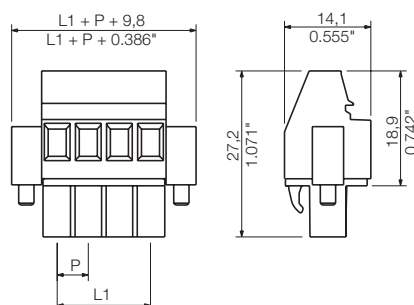
Representative derating curve



BLZP 5.00/./270F



Dimensioned drawing



Ordering data

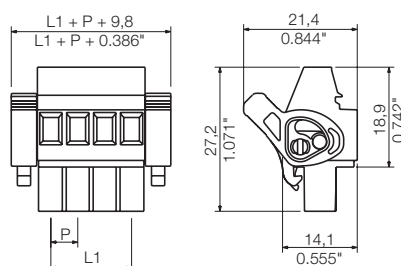
Solder pin length					
Colour			orange	black	
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	90	1960460000	1960730000
3	10.00	0.394	72	1960450000	1960720000
4	15.00	0.591	60	1960440000	1960710000
5	20.00	0.787	48	1960430000	1960700000
6	25.00	0.984	42	1960420000	1960690000
7	30.00	1.181	36	1960410000	1960670000
8	35.00	1.378	36	1960400000	1960660000
9	40.00	1.575	30	1960390000	1960650000
10	45.00	1.772	30	1960380000	1960640000
11	50.00	1.969	24	1960370000	1960630000
12	55.00	2.165	24	1959450000	1960620000
13	60.00	2.362	24	1959420000	1960610000
14	65.00	2.559	18	1959410000	1960600000
15	70.00	2.756	18	1959400000	1960590000
16	75.00	2.953	18	1959380000	1960580000
17	80.00	3.150	18	1959310000	1960570000
18	85.00	3.346	18	1959280000	1960560000
19	90.00	3.543	12	1959260000	1960550000
20	95.00	3.740	12	1959230000	1960540000
21	100.00	3.937	12	1959210000	1960530000
22	105.00	4.134	12	1959190000	1960520000
23	110.00	4.331	12	1959180000	1960510000
24	115.00	4.528	12	1959170000	1960500000

BLZP 5.00/./270LR

with lock and release lever



Dimensioned drawing



Ordering data

Solder pin length					
Colour			orange	black	
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	90	1960960000	1961190000
3	10.00	0.394	72	1960950000	1961180000
4	15.00	0.591	60	1960940000	1961170000
5	20.00	0.787	48	1960930000	1961160000
6	25.00	0.984	42	1960920000	1961150000
7	30.00	1.181	36	1960910000	1961140000
8	35.00	1.378	36	1960900000	1961130000
9	40.00	1.575	30	1960890000	1961120000
10	45.00	1.772	30	1960880000	1961110000
11	50.00	1.969	24	1960870000	1961100000
12	55.00	2.165	24	1960860000	1961090000
13	60.00	2.362	24	1960850000	1961080000
14	65.00	2.559	18	1960840000	1961070000
15	70.00	2.756	18	1960830000	1961060000
16	75.00	2.953	18	1960820000	1961050000
17	80.00	3.150	18	1960810000	1961040000
18	85.00	3.346	18	1960800000	1961030000
19	90.00	3.543	12	1960790000	1961020000
20	95.00	3.740	12	1960780000	1961010000
21	100.00	3.937	12	1960770000	1961000000
22	105.00	4.134	12	1960760000	1960990000
23	110.00	4.331	12	1960750000	1960980000
24	115.00	4.528	12	1960740000	1960970000

The 2-in-1 contact

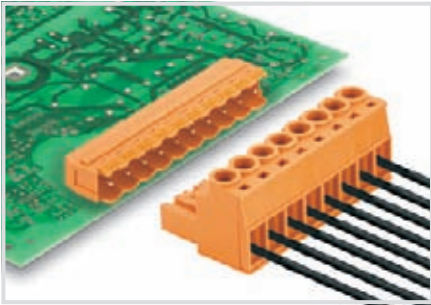
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybrite platform contact ensures a constant quality on a very high level. Hybrite means, that we combine metal material featuring different characteristics by welding, in order to divide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch

Series BL/SL 5.08

BLZP 5.08/./180



The BLZP is the functional extension of the BLZ series. The „P“ in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Product data

IEC: 400 V / 19 A / 0.2 - 4 mm²
UL: 300 V / 10 A / AWG 26 - 12

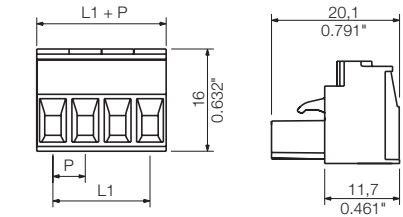
For additional articles and information, refer to catalog.weidmueller.com

- Note:**
- Additional colours on request
 - Rated current related to rated cross-section and 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 drg. = 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.

BLZP 5.08/./180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm²	0.13...4	
Solid core H05(07) V-U	mm²	0.2...4	
Stranded H07 V-R			
Flexible H05(07) V-K	mm²	0.2...4	
Flexible with ferrule	mm²	0.2...4	
Ferrule with plastic collar	mm²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	19	16
At ambient temperature		20°C	40°C
For conductor cross-section	mm²	4	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	50 300
Rated current	A	10	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	50 300
Rated current	A	10	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
Flammability class UL 94		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

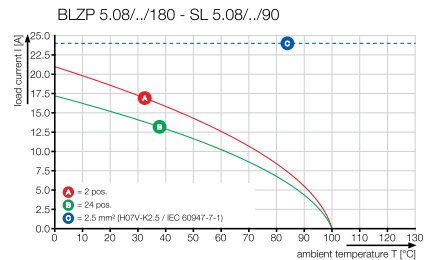
Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Strain relief		Order No.
	BLZ 5.08 ZE4 OR	1652110000
	BLZ 5.08 ZE4 SW	1652130000
	BLZ 5.08 ZE8 OR	1652050000
	BLZ 5.08 ZE8 SW	1652070000
Coding		
	BLZ/SL KO OR	1573010000
	BLZ/SL KO SW	1545710000
Screwdriver		
	SD 0,6x3,5x100	9008330000
	SDI 0,6x3,5x100	9008390000
Crosshead screwdriver		
	SDK PH1	9008480000
	SDK PZ1	9008530000

Ordering data

Solder pin length					
Colour			orange		black
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1943580000	1943810000
3	10.16	0.400	100	1943590000	1943820000
4	15.24	0.600	100	1943600000	1943830000
5	20.32	0.800	45	1943610000	1943840000
6	25.40	1.000	45	1943620000	1943850000
7	30.48	1.200	45	1943630000	1943860000
8	35.56	1.400	45	1943640000	1943870000
9	40.64	1.600	45	1943650000	1943880000
10	45.72	1.800	45	1943660000	1943890000
11	50.80	2.000	36	1943670000	1943900000
12	55.88	2.200	36	1943680000	1943910000
13	60.96	2.400	36	1943690000	1943920000
14	66.04	2.600	27	1943700000	1943930000
15	71.12	2.800	27	1943710000	1943940000
16	76.20	3.000	27	1943720000	1943950000
17	81.28	3.200	18	1943730000	1943960000
18	86.36	3.400	18	1943740000	1943970000
19	91.44	3.600	18	1943750000	1943980000
20	96.52	3.800	18	1943760000	1943990000
21	101.60	4.000	18	1943770000	1944000000
22	106.68	4.200	18	1943780000	1944010000
23	111.76	4.400	18	1943790000	1944020000
24	116.84	4.600	18	1943800000	1944030000

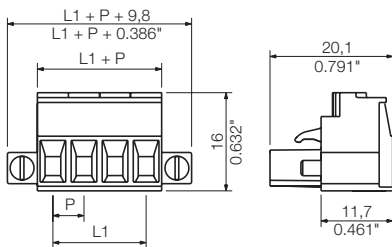
Representative derating curve



BLZP 5.08/./180F



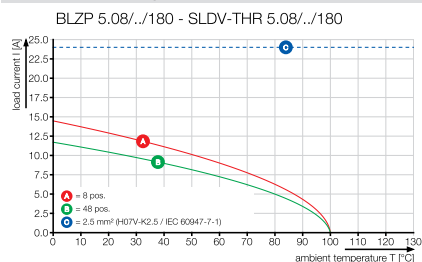
Dimensioned drawing



Ordering data

Solder pin length					
Colour		orange		black	
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1944090000	1944330000
3	10.16	0.400	100	1944100000	1944340000
4	15.24	0.600	100	1944110000	1944350000
5	20.32	0.800	45	1944120000	1944360000
6	25.40	1.000	45	1944130000	1944370000
7	30.48	1.200	45	1944140000	1944380000
8	35.56	1.400	45	1944150000	1944390000
9	40.64	1.600	36	1944160000	1944400000
10	45.72	1.800	36	1944170000	1944410000
11	50.80	2.000	36	1944180000	1944420000
12	55.88	2.200	27	1944190000	1944430000
13	60.96	2.400	27	1944200000	1944440000
14	66.04	2.600	27	1944210000	1944450000
15	71.12	2.800	27	1944220000	1944460000
16	76.20	3.000	18	1944230000	1944470000
17	81.28	3.200	18	1944240000	1944480000
18	86.36	3.400	18	1944250000	1944490000
19	91.44	3.600	18	1944260000	1944500000
20	96.52	3.800	18	1944270000	1944510000
21	101.60	4.000	18	1944280000	1944520000
22	106.68	4.200	18	1944290000	1944530000
23	111.76	4.400	18	1944300000	1944540000
24	116.84	4.600	18	1944310000	1944550000

Additional derating curves

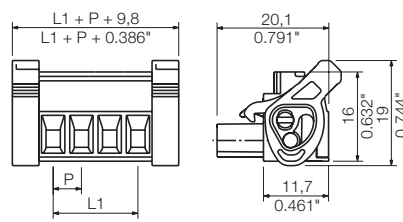


BLZP 5.08/./180LR

with release latch

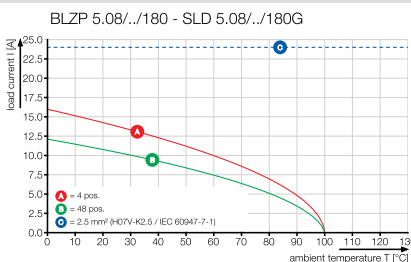


Dimensioned drawing



Ordering data

Solder pin length					
Colour		orange		black	
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1944830000	1945060000
3	10.16	0.400	100	1944840000	1945070000
4	15.24	0.600	100	1944850000	1945080000
5	20.32	0.800	45	1944860000	1945090000
6	25.40	1.000	45	1944870000	1945100000
7	30.48	1.200	45	1944880000	1945110000
8	35.56	1.400	45	1944890000	1945120000
9	40.64	1.600	45	1944900000	1945130000
10	45.72	1.800	36	1944910000	1945140000
11	50.80	2.000	36	1944920000	1945150000
12	55.88	2.200	27	1944930000	1945160000
13	60.96	2.400	27	1944940000	1945170000
14	66.04	2.600	27	1944950000	1945180000
15	71.12	2.800	27	1944960000	1945190000
16	76.20	3.000	27	1944970000	1945200000
17	81.28	3.200	18	1944980000	1945210000
18	86.36	3.400	18	1944990000	1945220000
19	91.44	3.600	18	1945000000	1945230000
20	96.52	3.800	18	1945010000	1945240000
21	101.60	4.000	18	1945020000	1945250000
22	106.68	4.200	18	1945030000	1945260000
23	111.76	4.400	18	1945040000	1945270000
24	116.84	4.600	18	1945050000	1945280000



The 2-in-1 contact

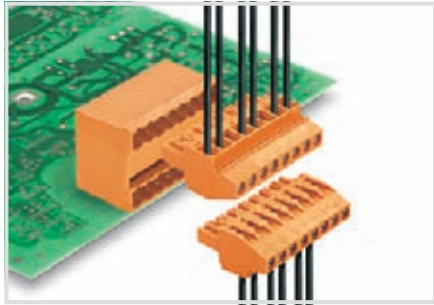
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch

Series BL/SL 5.08

BLZP 5.08/..../90



The BLZP is the functional extension of the BLZ series. The „P“ in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Product data

IEC: 400 V / 15.5 A / 0.2 - 4 mm²
UL: 300 V / 10 A / AWG 26 - 12

For additional articles and information, refer to catalog.weidmuller.com

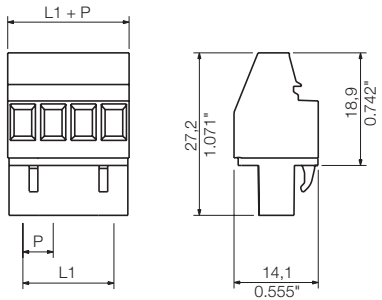
Note:

- Additional colours on request
- Rated current related to rated cross-section and 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 drg. = 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.

BLZP 5.08/..../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...4
Solid core H05(07) V-U	mm²	0.2...4
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...4
Flexible with ferrule	mm ²	0.2...4
Ferrule with plastic collar	mm ²	0.2...2.5
Stripping length	mm	7
Screwdriver blade	mm	0.6 x 3.5
According to norm		DIN 5264
Tightening torque range	Nm	0.4...0.5
Rated current, max.	A	15.5 12
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	4
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	250 320 400
Rated impulse voltage	kV	4 4 4

UL / CUL (Use Group)

Rated voltage	V	300 50 300
Rated current	A	10 10 10
AWG conductor	AWG	26-12
CSA (Use Group)	B C D	
Rated voltage	V	300 50 300
Rated current	A	10 10 10
AWG conductor	AWG	26-12

General data

Type of insulation material	PBT
Flammability class UL 94	V-0
Contact base material	Copper alloy
Material of contact surface	tinned
Pin dimensions = d	mm
Solder eyelet Ø = D	mm
Solder eyelet Ø tolerance	mm

Accessories

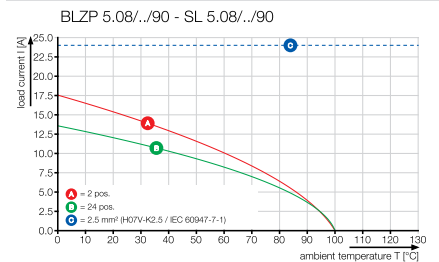
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR	1573010000
BLZ/SL KO SW	1545710000
Screwdriver	
SD 0,6x3,5x100	9008330000
SDI 0,6x3,5x100	9008390000
Crosshead screwdriver	
SDK PH1	9008480000
SDK PZ1	9008530000

Ordering data

Solder pin length						
Colour			orange		black	
Pitch	5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	5.08	0.200	180	1948000000	1948240000	
3	10.16	0.400	120	1948010000	1948250000	
4	15.24	0.600	90	1948020000	1948260000	
5	20.32	0.800	72	1948030000	1948270000	
6	25.40	1.000	60	1948040000	1948280000	
7	30.48	1.200	48	1948050000	1948290000	
8	35.56	1.400	42	1948060000	1948300000	
9	40.64	1.600	36	1948070000	1948310000	
10	45.72	1.800	36	1948080000	1948320000	
11	50.80	2.000	30	1948100000	1948330000	
12	55.88	2.200	30	1948110000	1948340000	
13	60.96	2.400	24	1948120000	1948350000	
14	66.04	2.600	24	1948130000	1948360000	
15	71.12	2.800	24	1948140000	1948370000	
16	76.20	3.000	18	1948150000	1948380000	
17	81.28	3.200	18	1948160000	1948390000	
18	86.36	3.400	18	1948170000	1948400000	
19	91.44	3.600	18	1948180000	1948410000	
20	96.52	3.800	18	1948190000	1948420000	
21	101.60	4.000	12	1948200000	1948430000	
22	106.68	4.200	12	1948210000	1948440000	
23	111.76	4.400	12	1948220000	1948450000	
24	116.84	4.600	12	1948230000	1948460000	

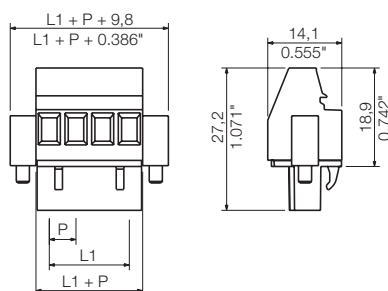
Representative derating curve



BLZP 5.08/./90F



Dimensioned drawing



Ordering data

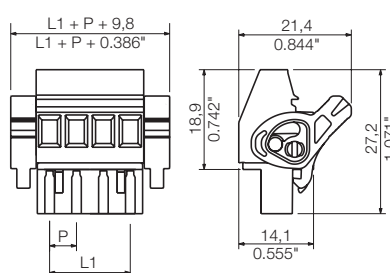
Solder pin length					
Colour			orange		black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1949800000	1950040000
3	10.16	0.400	72	1949810000	1950050000
4	15.24	0.600	60	1949820000	1950060000
5	20.32	0.800	48	1949830000	1950070000
6	25.40	1.000	42	1949840000	1950080000
7	30.48	1.200	36	1949850000	1950090000
8	35.56	1.400	36	1949860000	1950100000
9	40.64	1.600	30	1949870000	1950110000
10	45.72	1.800	30	1949880000	1950120000
11	50.80	2.000	24	1949890000	1950130000
12	55.88	2.200	24	1949900000	1950140000
13	60.96	2.400	24	1949910000	1950150000
14	66.04	2.600	18	1949920000	1950160000
15	71.12	2.800	18	1949930000	1950170000
16	76.20	3.000	18	1949940000	1950180000
17	81.28	3.200	18	1949950000	1950190000
18	86.36	3.400	18	1949960000	1950200000
19	91.44	3.600	12	1949970000	1950210000
20	96.52	3.800	12	1949980000	1950220000
21	101.60	4.000	12	1949990000	1950230000
22	106.68	4.200	12	1950010000	1950240000
23	111.76	4.400	12	1950020000	1950250000
24	116.84	4.600	12	1950030000	1950260000

BLZP 5.08/./90LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length					
Colour			orange		black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1087250000	1087020000
3	10.16	0.400	72	1087260000	1087030000
4	15.24	0.600	60	1087270000	1087040000
5	20.32	0.800	48	1087280000	1087050000
6	25.40	1.000	42	1087290000	1087060000
7	30.48	1.200	36	1087300000	1087070000
8	35.56	1.400	36	1087310000	1087080000
9	40.64	1.600	30	1087320000	1087100000
10	45.72	1.800	30	1087330000	1087110000
11	50.80	2.000	24	1087340000	1087120000
12	55.88	2.200	24	1087350000	1087130000
13	60.96	2.400	24	1087360000	1087140000
14	66.04	2.600	18	1087370000	1087150000
15	71.12	2.800	18	1087380000	1087160000
16	76.20	3.000	18	1087390000	1068510000
17	81.28	3.200	18	1087400000	1087170000
18	86.36	3.400	18	1087410000	1087180000
19	91.44	3.600	12	1087420000	1087190000
20	96.52	3.800	12	1087430000	1087200000
21	101.60	4.000	12	1087440000	1087210000
22	106.68	4.200	12	1087450000	1087220000
23	111.76	4.400	12	1087460000	1087230000
24	116.84	4.600	12	1087470000	1087240000

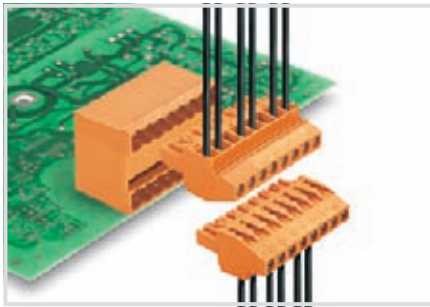
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybrite platform contact ensures a constant quality on a very high level. Hybrite means, that we combine metal material featuring different characteristics by welding, in order to divide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLZP 5.08/././270



The BLZP is the functional extension of the BLZ series. The „P“ in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Product data

IEC: 400 V / 15.5 A / 0.2 - 4 mm²
UL: 300 V / 10 A / AWG 26 - 12

For additional articles and information, refer to catalog.weidmueller.com

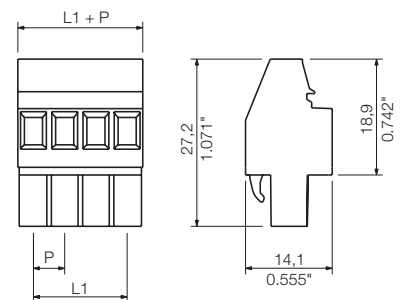
Note:

- Additional colours on request
- Rated current related to rated cross-section and 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 drg. = 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.

BLZP 5.08/././270



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...4
Solid core H05(07) V-U	mm²	0.2...4
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...4
Flexible with ferrule	mm ²	0.2...4
Ferrule with plastic collar	mm ²	0.2...2.5
Stripping length	mm	7
Screwdriver blade	mm	0.6 x 3.5
According to norm		DIN 5264
Tightening torque range	Nm	0.4...0.5
Rated current, max.	A	15.5 12
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	4
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	250 320 400
Rated impulse voltage	kV	4 4 4
UL / CUL (Use Group)	B C D	
Rated voltage	V	300 50 300
Rated current	A	10 10 10
AWG conductor	AWG	26-12
CSA (Use Group)	B C D	
Rated voltage	V	300 50 300
Rated current	A	10 10 10
AWG conductor	AWG	26-12
General data		
Type of insulation material		PBT
Flammability class UL 94		V-0
Contact base material		Copper alloy
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Accessories

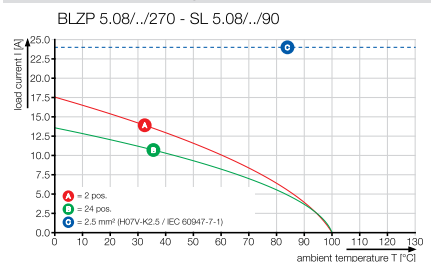
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR	1573010000
BLZ/SL KO SW	1545710000
Screwdriver	
SD 0,6x3,5x100	9008330000
SDI 0,6x3,5x100	9008390000
Crosshead screwdriver	
SDK PH1	9008480000
SDK PZ1	9008530000

Ordering data

Solder pin length					
Colour			orange		black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	180	1948790000	1949020000
3	10.16	0.400	120	1948800000	1949030000
4	15.24	0.600	90	1948810000	1949040000
5	20.32	0.800	72	1948820000	1949050000
6	25.40	1.000	60	1948830000	1949060000
7	30.48	1.200	48	1948840000	1949070000
8	35.56	1.400	42	1948850000	1949080000
9	40.64	1.600	36	1948860000	1949090000
10	45.72	1.800	36	1948870000	1949100000
11	50.80	2.000	30	1948880000	1949110000
12	55.88	2.200	30	1948890000	1949120000
13	60.96	2.400	24	1948900000	1949130000
14	66.04	2.600	24	1948910000	1949140000
15	71.12	2.800	24	1948920000	1949150000
16	76.20	3.000	18	1948930000	1949160000
17	81.28	3.200	18	1948940000	1949170000
18	86.36	3.400	18	1948950000	1949180000
19	91.44	3.600	18	1948960000	1949190000
20	96.52	3.800	18	1948970000	1949200000
21	101.60	4.000	12	1948980000	1949210000
22	106.68	4.200	12	1948990000	1949220000
23	111.76	4.400	12	1949000000	1949230000
24	116.84	4.600	12	1949010000	1949240000

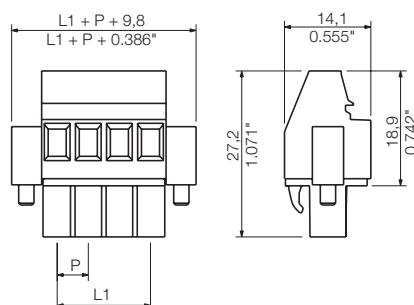
Representative derating curve



BLZP 5.08/./270F



Dimensioned drawing



Ordering data

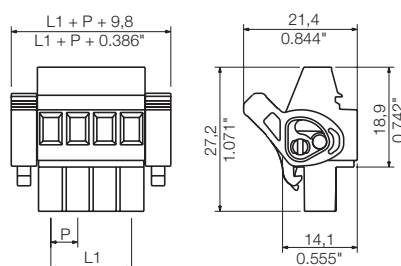
Solder pin length					
Colour			orange		black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1950310000	1950550000
3	10.16	0.400	72	1950320000	1950560000
4	15.24	0.600	60	1950330000	1950570000
5	20.32	0.800	48	1950340000	1950580000
6	25.40	1.000	42	1950350000	1950620000
7	30.48	1.200	36	1950360000	1950630000
8	35.56	1.400	36	1950370000	1950640000
9	40.64	1.600	30	1950380000	1950650000
10	45.72	1.800	30	1950390000	1950660000
11	50.80	2.000	24	1950400000	1950670000
12	55.88	2.200	24	1950410000	1950690000
13	60.96	2.400	24	1950420000	1950700000
14	66.04	2.600	18	1950430000	1950710000
15	71.12	2.800	18	1950440000	1950720000
16	76.20	3.000	18	1950450000	1950730000
17	81.28	3.200	18	1950460000	1950740000
18	86.36	3.400	18	1950470000	1950750000
19	91.44	3.600	12	1950480000	1950760000
20	96.52	3.800	12	1950490000	1950770000
21	101.60	4.000	12	1950500000	1950780000
22	106.68	4.200	12	1950510000	1950790000
23	111.76	4.400	12	1950520000	1950800000
24	116.84	4.600	12	1950540000	1950810000

BLZP 5.08/./270LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length					
Colour			orange		black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1947530000	1947760000
3	10.16	0.400	72	1947540000	1947770000
4	15.24	0.600	60	1947550000	1947780000
5	20.32	0.800	48	1947560000	1947790000
6	25.40	1.000	42	1947570000	1947800000
7	30.48	1.200	36	1947580000	1947810000
8	35.56	1.400	36	1947590000	1947820000
9	40.64	1.600	30	1947600000	1947830000
10	45.72	1.800	30	1947610000	1947840000
11	50.80	2.000	24	1947620000	1947850000
12	55.88	2.200	24	1947630000	1947860000
13	60.96	2.400	24	1947640000	1947870000
14	66.04	2.600	18	1947650000	1947880000
15	71.12	2.800	18	1947660000	1947890000
16	76.20	3.000	18	1947670000	1947900000
17	81.28	3.200	18	1947680000	1947910000
18	86.36	3.400	18	1947690000	1947920000
19	91.44	3.600	12	1947700000	1947930000
20	96.52	3.800	12	1947710000	1947940000
21	101.60	4.000	12	1947720000	1947950000
22	106.68	4.200	12	1947730000	1947960000
23	111.76	4.400	12	1947740000	1947970000
24	116.84	4.600	12	1947750000	1947980000

The 2-in-1 contact

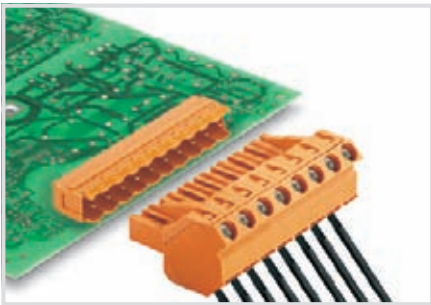
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybrite platform contact ensures a constant quality on a very high level. Hybrite means, that we combine metal material featuring different characteristics by welding, in order to divide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch

Series BL/SL 5.08

BLZP 5.08/././225



The BLZP is the functional extension of the BLZ series. The „P“ in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Product data

IEC: 400 V / 17.5 A / 0.2 - 4 mm²
UL: 300 V / 10 A / AWG 26 - 12

For additional articles and information, refer to catalog.weidmueller.com

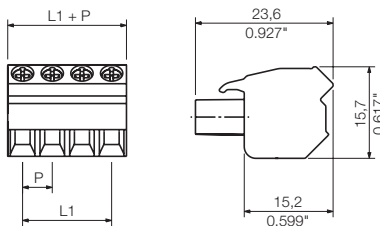
Note:

- Additional colours on request
- Rated current related to rated cross-section and 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 drg. = 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.

BLZP 5.08/././225



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm²	0.2...4	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...4	
Flexible with ferrule	mm ²	0.2...4	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	17.5	14
At ambient temperature	20°C	40°C	
For conductor cross-section	mm ²	4	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	50 300
Rated current	A	10	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	50 300
Rated current	A	10	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
Flammability class UL 94		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

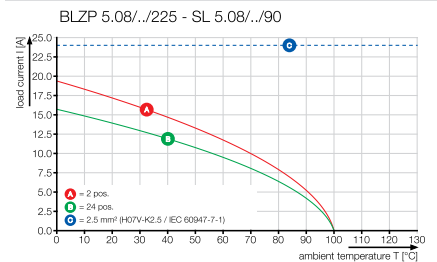
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO OR	1573010000
BLZ/SL KO SW	1545710000
Screwdriver	
SD 0,6x3,5x100	9008330000
SDI 0,6x3,5x100	9008390000
Crosshead screwdriver	
SDK PH1	9008480000
SDK PZ1	9008530000

Ordering data

Solder pin length					
Colour		orange		black	
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	180	1946250000	1946560000
3	10.16	0.400	120	1946260000	1946570000
4	15.24	0.600	90	1946270000	1946580000
5	20.32	0.800	72	1946280000	1946590000
6	25.40	1.000	60	1946290000	1946600000
7	30.48	1.200	48	1946300000	1946610000
8	35.56	1.400	42	1946310000	1946620000
9	40.64	1.600	36	1946320000	1946630000
10	45.72	1.800	36	1946330000	1946640000
11	50.80	2.000	30	1946340000	1946650000
12	55.88	2.200	30	1946350000	1946660000
13	60.96	2.400	24	1946360000	1946670000
14	66.04	2.600	24	1946370000	1946680000
15	71.12	2.800	24	1946380000	1946690000
16	76.20	3.000	18	1946390000	1946700000
17	81.28	3.200	18	1946400000	1946710000
18	86.36	3.400	18	1946410000	1946720000
19	91.44	3.600	18	1946420000	1946730000
20	96.52	3.800	18	1946430000	1946740000
21	101.60	4.000	12	1946440000	1946750000
22	106.68	4.200	12	1946450000	1946760000
23	111.76	4.400	12	1946460000	1946770000
24	116.84	4.600	12	1946480000	1946780000

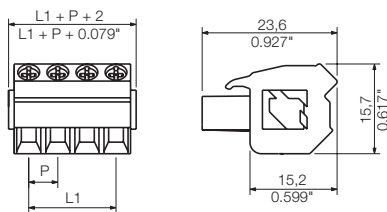
Representative derating curve



BLZP 5.08/././225B



Dimensioned drawing



Ordering data

Solder pin length

Colour	orange	black
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Pitch 5.08 mm

Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	150	1945750000	1945980000
3	10.16	0.400	108	1945760000	1945990000
4	15.24	0.600	78	1945770000	1946000000
5	20.32	0.800	66	1945780000	1946010000
6	25.40	1.000	54	1945790000	1946020000
7	30.48	1.200	48	1945800000	1946030000
8	35.56	1.400	42	1945810000	1946040000
9	40.64	1.600	36	1945820000	1946050000
10	45.72	1.800	30	1945830000	1946060000
11	50.80	2.000	30	1945840000	1946070000
12	55.88	2.200	24	1945850000	1946080000
13	60.96	2.400	24	1945860000	1946090000
14	66.04	2.600	24	1945870000	1946100000
15	71.12	2.800	24	1945880000	1946110000
16	76.20	3.000	18	1945890000	1946120000
17	81.28	3.200	18	1945900000	1946130000
18	86.36	3.400	18	1945910000	1946140000
19	91.44	3.600	18	1945920000	1946150000
20	96.52	3.800	18	1945930000	1946160000
21	101.60	4.000	12	1945940000	1946170000
22	106.68	4.200	12	1945950000	1946180000
23	111.76	4.400	12	1945960000	1946190000
24	116.84	4.600	12	1945970000	1946200000

The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.

