

Mounting and release options for the Omnimate Range 5.08 /5.00

BLZ 5.0X 90F	BLZ 5.0X 270F
BLZ 5.08 180LH	BLZ 5.08 180LR
BLZ 5.08 270LH	BLZ 5.08 270LR
BLT 5.08LH	BLT 5.08 LR
BLZF 5.08 LH	BLZF 5.08 LR



By introducing the new screw flange versions for the BLZ 90°/ 270°, we have extended our 5.08 /5.00-mm pitch Omnimate Range of PCB connectors with two further interlocking socket connectors.

- Screw-type attachment for vibration-proof connection of pin headers and socket connectors
- Available for BLZ socket connectors in two pitch sizes and three wire exit versions

Beyond that, with the release lever and the combined lock and release lever, we are offering two innovative interlocking and release options. In combination with SL-SMT flanged pin headers we are able to meet the special requirements of our customers.

- Locking and release without screws for narrowed installation situations without tools
- Simple and effortless release is ideal for high numbers of poles

United Kingdom

Weidmüller Ltd.
1 Abbey Wood Road
Kings Hill
West Malling
Kent ME19 4YT
Phone +44 1732 877000
Fax +44 1732 873873
info@weidmuller.co.uk
www.weidmuller.com

USA

W-Interconnections, Inc.
821 Southlake Boulevard,
Richmond, VA 23236
Phone +1 804 7942877
Fax +1 804 3792593
info@weidmuller.com
www.weidmuller.com

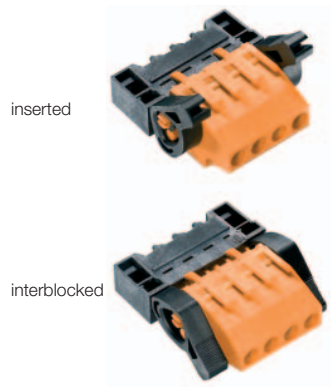
Other countries

Weidmüller Interface GmbH & Co. KG
P.O. Box 3030
32720 Detmold
Phone +49 5231 14-0
Fax +49 5231 14-20 83
info@weidmuller.com
www.weidmuller.com

Socket blocks with interlocking and release options

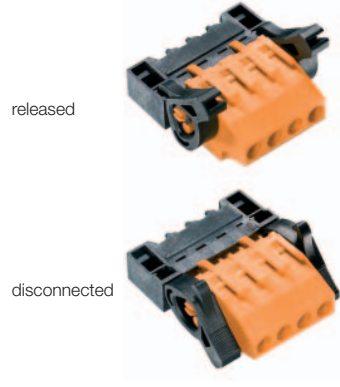
LH release lever

Where applications are installed in confined spaces, it is often quite difficult to gain access and get a grip on the connectors. So in order to be able to simply separate pin and socket connectors, Weidmüller has developed a special plug-in connector with release lever. To guarantee that it functions flawlessly, the release lever requires a flat surface. This is achieved by utilising pin headers with integrated flange or devices with correspondingly designed front plates. The lever can be operated either with a screwdriver or simply by using your fingers.



LR release pin

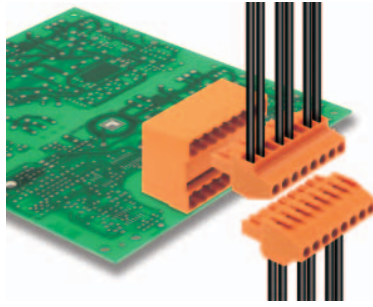
As well as fulfilling the release function, the release pin also fulfils the 'interlocking' function in combination with the flange versions of the SL-SMT pin headers. Once the connectors have been plugged together, the release pins are interlocked. The connection is easily separated by simply pressing on the release pins. The lever can be operated either with a screwdriver or simply by using your fingers.



Flange

Weidmüller has developed a special plug-in connector with integrated screw flanges in order to be able to interlock socket connectors and pin headers – secure and vibration-resistant. The screw flange requires a mating component with thread. This is achieved by utilising SL-SMT pin headers with integrated flange or devices with correspondingly designed front plates.



BLZ 5.08 90/270
BLZ 5.00 90/270


Weidmüller has developed a special plug-in connector with integrated screw flanges in order to be able to interlock socket connectors and pin headers – secure and vibration-resistant.

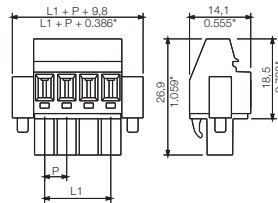
The socket connectors are available in 5.00 and 5.08 pitches. They have ample space for markings and can be coded.

- 0.13 - 3.31 mm² (IEC) / 26 - 12 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 12 A (IEC) / 10 A (UL)

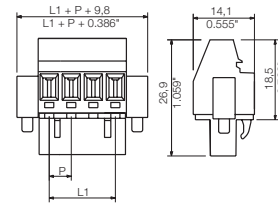
Technical data

Rated data acc. to IEC 60664-1 / IEC 61984			
Clamping range max.	mm²	0.13...3.31	
Solid H05(07) V-U	mm²	0.5...2.5	
Stranded H07 V-R	mm²		
Flexible H05(07) V-K	mm²	0.5...2.5	
Flexible with ferrule	mm²	0.50...2.50	
Ferrule with plastic collar	mm²	0.50...2.50	
Stripping length	mm	7.0	
Screwdriver shaft	mm		
according to norm			
Torque range	Nm	0.40...0.50	
Rated current at ambient temperature			
	A	20 °C	40 °C
		12	10
Overvoltage category			
		III	III II
Pollution severity			
		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL 1059 rated data – E60693		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		26-12	
CSA C22.2 rated data – LR12400 B		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		26-12	
Material data			
Type of insulating material		PBT	
Flammability class acc. UL94		V-0	
Contact base material		CuSn	
Contact plating		tin plated	
Information			

- Information**
- Additional colours on request
 - Gold-plated contact surfaces on request
 - Rated current refers to rated cross-section and min. number of poles
 - Ferrules without plastic collars to DIN 46228/1
 - Ferrules with plastic collars to DIN 46228/4
 - Drawing information P = Pitch
 - Rated data relate to the respective component. Clearance and creepage distances to other components must be devised in accordance with the relevant application standard.

BLZ 5.08/90F
BLZ 5.00/90F

Order data

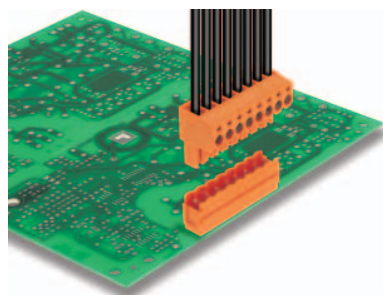
Solder pin length					
Colour		orange		black	
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1888560000	1886280000
3	10.16	(0.400)	100	1888800000	1886290000
4	15.24	(0.600)	100	1888860000	1886300000
5	20.32	(0.800)	50	1888900000	1886310000
6	25.40	(1.000)	50	1888920000	1886320000
7	30.48	(1.200)	50	1888960000	1886330000
8	35.56	(1.400)	50	1888980000	1886340000
9	40.64	(1.600)	50	1889010000	1886360000
10	45.72	(1.800)	50	1889040000	1886380000
11	50.80	(2.000)	50	1889050000	1886400000
12	55.88	(2.200)	50	1889060000	1886410000
13	60.96	(2.400)	50	1889070000	1886420000
14	66.04	(2.600)	50	1889080000	1886430000
15	71.12	(2.800)	50	1889090000	1886450000
16	76.20	(3.000)	50	1889100000	1886460000
17	81.28	(3.200)	20	1889110000	1886470000
18	86.36	(3.400)	20	1889120000	1886480000
19	91.44	(3.600)	20	1889130000	1886490000
20	96.52	(3.800)	20	1889140000	1886500000
21	101.60	(4.000)	20	1889150000	1886510000
22	106.68	(4.200)	20	1889160000	1886520000
23	111.76	(4.400)	20	1889170000	1889920000
24	116.84	(4.600)	20	1889180000	1889930000
Pitch 5.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100	1898820000	1898580000
3	10.00	(0.394)	100	1898830000	1898590000
4	15.00	(0.591)	100	1898840000	1898600000
5	20.00	(0.787)	50	1898850000	1898610000
6	25.00	(0.984)	50	1898860000	1898620000
7	30.00	(1.181)	50	1898870000	1898630000
8	35.00	(1.378)	50	1898880000	1898640000
9	40.00	(1.575)	50	1898890000	1898650000
10	45.00	(1.772)	50	1898900000	1898660000
11	50.00	(1.969)	50	1898910000	1898670000
12	55.00	(2.165)	50	1898920000	1898680000
13	60.00	(2.362)	50	1898930000	1898700000
14	65.00	(2.559)	50	1898940000	1898710000
15	70.00	(2.756)	50	1898950000	1898720000
16	75.00	(2.953)	50	1898960000	1898730000
17	80.00	(3.150)	20	1898970000	1898740000
18	85.00	(3.346)	20	1898980000	1898750000
19	90.00	(3.543)	20	1898990000	1898760000
20	95.00	(3.740)	20	1899000000	1898770000
21	100.00	(3.937)	20	1899010000	1898780000
22	105.00	(4.134)	20	1899020000	1898790000
23	110.00	(4.331)	20	1899030000	1898800000
24	115.00	(4.528)	20	1899040000	1898810000

BLZ 5.08/270F
BLZ 5.00/270F

Order data

Solder pin length					
Colour		orange		black	
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1894390000	1894620000
3	10.16	(0.400)	100	1894400000	1894630000
4	15.24	(0.600)	100	1894410000	1894640000
5	20.32	(0.800)	50	1894420000	1894650000
6	25.40	(1.000)	50	1894430000	1894660000
7	30.48	(1.200)	50	1894440000	1894670000
8	35.56	(1.400)	50	1894450000	1894680000
9	40.64	(1.600)	50	1894460000	1894690000
10	45.72	(1.800)	50	1894470000	1894700000
11	50.80	(2.000)	50	1894480000	1894800000
12	55.88	(2.200)	50	1894490000	1894810000
13	60.96	(2.400)	50	1894500000	1894820000
14	66.04	(2.600)	50	1894510000	1894830000
15	71.12	(2.800)	50	1894520000	1894840000
16	76.20	(3.000)	50	1894530000	1894850000
17	81.28	(3.200)	20	1894540000	1894860000
18	86.36	(3.400)	20	1894550000	1894870000
19	91.44	(3.600)	20	1894560000	1894880000
20	96.52	(3.800)	20	1894570000	1894890000
21	101.60	(4.000)	20	1894580000	1894900000
22	106.68	(4.200)	20	1894590000	1894910000
23	111.76	(4.400)	20	1894600000	1894920000
24	116.84	(4.600)	20	1894610000	1894930000
Pitch 5.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100	1911080000	1910860000
3	10.00	(0.394)	100	1911090000	1910870000
4	15.00	(0.591)	50	1911100000	1910880000
5	20.00	(0.787)	50	1911110000	1910900000
6	25.00	(0.984)	50	1911120000	1910910000
7	30.00	(1.181)	50	1911130000	1910920000
8	35.00	(1.378)	50	1911140000	1910930000
9	40.00	(1.575)	50	1911150000	1910940000
10	45.00	(1.772)	50	1911160000	1910950000
11	50.00	(1.969)	50	1911170000	1910960000
12	55.00	(2.165)	50	1911180000	1910970000
13	60.00	(2.362)	50	1911190000	1910980000
14	65.00	(2.559)	50	1911200000	1910990000
15	70.00	(2.756)	50	1911210000	1911000000
16	75.00	(2.953)	50	1911220000	1911010000
17	80.00	(3.150)	20	1911230000	1911020000
18	85.00	(3.346)	20	1911240000	1911030000
19	90.00	(3.543)	20	1911250000	1911040000
20	95.00	(3.740)	20	1911260000	1911050000
21	100.00	(3.937)	20	1911270000	1911060000
22	105.00	(4.134)	20	1911280000	1911070000
23	110.00	(4.331)	20	1911290000	1911980000
24	115.00	(4.528)	20	1912010000	1911990000

Socket connectors with clamping yoke connections

BLZ 5.08/180



Socket connectors with clamping yoke connection technology are a byword for connections with enormous performance capabilities. The release lever enables the connection to be separated easily and effortlessly in even the most confined of spaces. In addition to fulfilling the release function, the release pin also fulfils the 'interlocking' function. The lever can be operated either with a screwdriver or simply by using your fingers. The socket connectors have ample space for markings and can be coded.

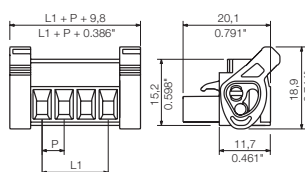
- 0.13 - 3.31 mm² (IEC) / 26 - 12 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

Technical data

Rated data acc. to IEC 60664-1 / IEC 61984				
Clamping range max.	mm²	0.5...2.5		
Solid H05(07) V-U	mm²			
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²	0.50...2.50		
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm²			
Stripping length	mm	0.50...2.50		
Screwdriver shaft	mm			
according to norm				
Torque range	Nm			
Rated current at ambient temperature				
	A	20 °C	40 °C	
		19	16	
Overvoltage category				
Pollution severity				
		III	III	II
		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL 1059 rated data – E60693				
		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor		26-12		
CSA C22.2 rated data – LR12400 B				
		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor		26-12		
Material data				
Type of insulating material		PBT		
Flammability class acc. UL94		V-0		
Contact base material		CuSn		
Contact plating		tin plated		
Information				

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current refers to rated cross-section and min. number of poles
- Ferrules without plastic collars to DIN 46228/1
- Ferrules with plastic collars to DIN 46228/4
- Drawing information P = Pitch
- Rated data relate to the respective component. Clearance and creepage distances to other components must be devised in accordance with the relevant application standard.

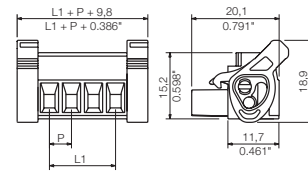
BLZ 5.08 LH



Order data

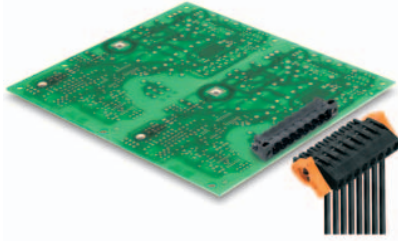
Solder pin length					
Colour			orange	black	
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1892190000	1893600000
3	10.16	(0.400)	100	1892200000	1893610000
4	15.24	(0.600)	100	1892210000	1893620000
5	20.32	(0.800)	50	1892220000	1893630000
6	25.40	(1.000)	50	1892230000	1893640000
7	30.48	(1.200)	50	1892240000	1893650000
8	35.56	(1.400)	50	1892250000	1893660000
9	40.64	(1.600)	50	1892260000	1893670000
10	45.72	(1.800)	50	1892270000	1893680000
11	50.80	(2.000)	50	1892280000	1893690000
12	55.88	(2.200)	50	1892290000	1893700000
13	60.96	(2.400)	50	1892300000	1893710000
14	66.04	(2.600)	50	1892310000	1893720000
15	71.12	(2.800)	50	1892320000	1893730000
16	76.20	(3.000)	50	1892330000	1893740000
17	81.28	(3.200)	20	1892340000	1893750000
18	86.36	(3.400)	20	1892350000	1893760000
19	91.44	(3.600)	20	1892360000	1893770000
20	96.52	(3.800)	20	1892370000	1893780000
21	101.60	(4.000)	20	1892380000	1893790000
22	106.68	(4.200)	20	1892390000	1893800000

BLZ 5.08 LR



Order data

Solder pin length					
Colour			orange	black	
Pitch 5.08 mm					
Poles	1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1851200000	1892950000
3	10.16	(0.400)	100	1851210000	1892960000
4	15.24	(0.600)	100	1851220000	1892970000
5	20.32	(0.800)	50	1851230000	1892980000
6	25.40	(1.000)	50	1851240000	1892990000
7	30.48	(1.200)	50	1851250000	1893000000
8	35.56	(1.400)	50	1851260000	1893010000
9	40.64	(1.600)	50	1851270000	1893020000
10	45.72	(1.800)	50	1851280000	1893030000
11	50.80	(2.000)	50	1851290000	1893040000
12	55.88	(2.200)	50	1851300000	1893050000
13	60.96	(2.400)	50	1851310000	1893060000
14	66.04	(2.600)	50	1851320000	1893070000
15	71.12	(2.800)	50	1851330000	1893080000
16	76.20	(3.000)	50	1851340000	1893090000
17	81.28	(3.200)	20	1851350000	1893100000
18	86.36	(3.400)	20	1851360000	1893110000
19	91.44	(3.600)	20	1851370000	1893120000
20	96.52	(3.800)	20	1851380000	1893130000
21	101.60	(4.000)	20	1851390000	1893140000
22	106.68	(4.200)	20	1851400000	1893150000

BLZ 5.08/270

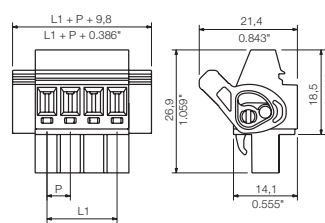
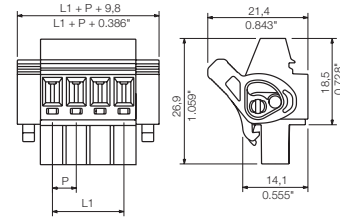
Socket connectors with clamping yoke connection technology are a byword for connections with enormous performance capabilities. The release lever enables the connection to be separated easily and effortlessly in even the most confined of spaces. In addition to fulfilling the release function, the release pin also fulfils the 'interlocking' function. The lever can be operated either with a screwdriver or simply by using your fingers. The socket connectors have ample space for markings and can be coded.

- 0.13 - 3.31 mm² (IEC) / 26 - 12 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 12 A (IEC) / 10 A (UL)

Technical data

Rated data acc. to IEC 60664-1 / IEC 61984				
Clamping range max.	mm ²	0.5...2.5		
Solid H05(07) V-U	mm ²			
Stranded H07 V-R	mm ²			
Flexible H05(07) V-K	mm ²	0.50...2.50		
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm	0.50...2.50		
Screwdriver shaft	mm			
according to norm				
Torque range	Nm			
Rated current at ambient temperature				
		A	20 °C	40 °C
		12	10	
Overvoltage category		III	III	II
		3	2	2
Pollution severity		3	2	2
		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL 1059 rated data – E60693		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor		26-12		
CSA C22.2 rated data – LR12400 B		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor		26-12		
Material data				
Type of insulating material		PBT		
Flammability class acc. UL94		V-0		
Contact base material		CuSn		
Contact plating		tin plated		
Information				

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current refers to rated cross-section and min. number of poles
- Ferrules without plastic collars to DIN 46228/1
- Ferrules with plastic collars to DIN 46228/4
- Drawing information P = Pitch
- Rated data relate to the respective component. Clearance and creepage distances to other components must be devised in accordance with the relevant application standard.

BLZ 5.08/270 LH**BLZ 5.08/270 LR****Order data**

Solder pin length					
Colour				orange	black
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
15	71.12	(2.800)	50	1892400000	1894020000
16	76.20	(3.000)	50	1892410000	1894030000
17	81.28	(3.200)	20	1892420000	1894040000
18	86.36	(3.400)	20	1892430000	1894050000
19	91.44	(3.600)	20	1892440000	1894060000
20	96.52	(3.800)	20	1868940000	1896410000
21	101.60	(4.000)	20	1892450000	1894070000
22	106.68	(4.200)	20	1892460000	1894080000
23	111.76	(4.400)	20	1892470000	1894090000
24	116.84	(4.600)	20	1892480000	1894100000

Order data

Solder pin length						
Colour			orange		black	
Pitch 5.08 mm						
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.	
15	71.12	(2.800)	50	1893900000	1893810000	
16	76.20	(3.000)	50	1893910000	1893820000	
17	81.28	(3.200)	20	1893920000	1893830000	
18	86.36	(3.400)	20	1893930000	1893840000	
19	91.44	(3.600)	20	1893950000	1893850000	
20	96.52	(3.800)	20	1868930000	1896420000	
21	101.60	(4.000)	20	1893960000	1893860000	
22	106.68	(4.200)	20	1893980000	1893870000	
23	111.76	(4.400)	20	1894000000	1893880000	
24	116.84	(4.600)	20	1894010000	1893890000	

BLT 5.08



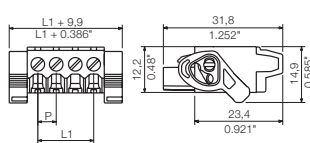
Cable insertion and screw-type interlocking are on the same side of the connector housing of socket connectors featuring TOP connection technology. This simplifies wiring a great deal in even the most confined of environments. The release lever enables the connection to be separated easily and effortlessly in even the most confined of spaces. In addition to fulfilling the release function, the release pin also fulfils the 'interlocking' function. The lever can be operated either with a screwdriver or simply by using your fingers. The socket connectors have ample space for markings and can be coded.

- 0.13 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

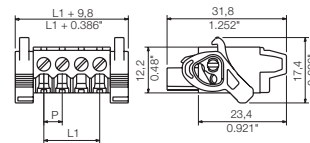
Technical data

Rated data acc. to IEC 60664-1 / IEC 61984				
Clamping range max.	mm²	0.5...2.5		
Solid H05(07) V-U	mm²			
Stranded H07 V-R	mm²	0.50...1.50		
Flexible H05(07) V-K	mm²			
Flexible with ferrule	mm²	0.50...2.50		
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver shaft	mm			
according to norm				
Torque range	Nm			
Rated current at ambient temperature				
	A	20 °C	40 °C	
		15	13	
Overvoltage category				
		III	III	II
Pollution severity				
		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL 1059 rated data – E60693				
		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor		26-14		
CSA C22.2 rated data – LR12400 B				
		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor		26-14		
Material data				
Type of insulating material		PBT		
Flammability class acc. UL94		V-0		
Contact base material		CuSn		
Contact plating		tin plated		
Information				

BLT 5.08 LH



BLT 5.08 LR

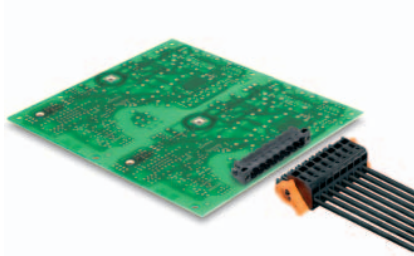


Order data

Solder pin length					
Colour			orange	black	
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1889960000	1892490000
3	10.16	(0.400)	100	1889970000	1892500000
4	15.24	(0.600)	100	1889980000	1892510000
5	20.32	(0.800)	50	1889990000	1892520000
6	25.40	(1.000)	50	1890030000	1892530000
7	30.48	(1.200)	50	1890040000	1892540000
8	35.56	(1.400)	50	1890050000	1892550000
9	40.64	(1.600)	50	1890060000	1892560000
10	45.72	(1.800)	50	1890070000	1892570000
11	50.80	(2.000)	50	1890080000	1892580000
12	55.88	(2.200)	50	1890090000	1892590000
13	60.96	(2.400)	50	1890100000	1892600000
14	66.04	(2.600)	50	1890110000	1892610000
15	71.12	(2.800)	50	1890120000	1892620000
16	76.20	(3.000)	50	1890130000	1892630000
17	81.28	(3.200)	20	1890140000	1892640000
18	86.36	(3.400)	20	1890150000	1892650000
19	91.44	(3.600)	20	1890160000	1892660000
20	96.52	(3.800)	20	1890170000	1892670000
21	101.60	(4.000)	20	1890180000	1892680000
22	106.68	(4.200)	20	1890190000	1892690000
23	111.76	(4.400)	20	1890200000	1892700000
24	116.84	(4.600)	20	1890210000	1892710000

Order data

Solder pin length					
Colour			orange	black	
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1890220000	1894130000
3	10.16	(0.400)	100	1890230000	1894140000
4	15.24	(0.600)	100	1890240000	1894150000
5	20.32	(0.800)	50	1890250000	1894160000
6	25.40	(1.000)	50	1890260000	1894170000
7	30.48	(1.200)	50	1890270000	1894180000
8	35.56	(1.400)	50	1890280000	1894190000
9	40.64	(1.600)	50	1890290000	1894200000
10	45.72	(1.800)	50	1890300000	1894210000
11	50.80	(2.000)	50	1890310000	1894220000
12	55.88	(2.200)	50	1890320000	1894230000
13	60.96	(2.400)	50	1890330000	1894240000
14	66.04	(2.600)	50	1890340000	1894250000
15	71.12	(2.800)	50	1890350000	1894260000
16	76.20	(3.000)	50	1890360000	1894270000
17	81.28	(3.200)	20	1890370000	1894280000
18	86.36	(3.400)	20	1890380000	1894290000
19	91.44	(3.600)	20	1890390000	1894310000
20	96.52	(3.800)	20	1890400000	1894330000
21	101.60	(4.000)	20	1890410000	1894340000
22	106.68	(4.200)	20	1890420000	1894350000
23	111.76	(4.400)	20	1890430000	1894360000
24	116.84	(4.600)	20	1890440000	1894370000

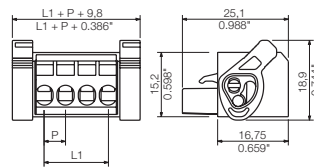
BLZF 5.08/180

Socket connectors with tension clamp connection technology enable fast and simple wiring – in other words, efficient wiring. The release lever enables the connection to be separated easily and effortlessly in even the most confined of spaces. In addition to fulfilling the release function, the release pin also fulfils the 'interlocking' function. The lever can be operated either with a screwdriver or simply by using your fingers. The socket connectors have ample space for markings and can be coded.

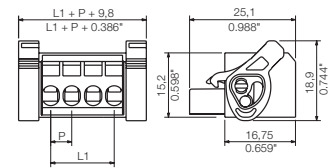
- 0.13 - 3.31 mm² (IEC) / 26 - 12 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 17 A (IEC) / 15 A (UL)

Technical data

Rated data acc. to IEC 60664-1 / IEC 61984			
Clamping range max.	mm ²	0.5...2.5	
Solid H05(07) V-U	mm ²		
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²	0.50...1.50	
Ferrule with plastic collar	mm ²	0.50...2.50	
Stripping length	mm		
Screwdriver shaft	mm		
according to norm			
Torque range	Nm		
Rated current at ambient temperature			
	A	20 °C	40 °C
		17	14.5
Overvoltage category			
		III	III II
Pollution severity			
		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL 1059 rated data – E60693			
		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			26-12
CSA C22.2 rated data – LR12400 B			
		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			26-12
Material data			
Type of insulating material		PBT	
Flammability class acc. UL94		V-0	
Contact base material		CuSn	
Contact plating		tin plated	
Information			
• Additional colours on request			
• Gold-plated contact surfaces on request			
• Rated current refers to rated cross-section and min. number of poles			
• Ferrules without plastic collars to DIN 46228/1			
• Ferrules with plastic collars to DIN 46228/4			
• Drawing information P = Pitch			
• Rated data relate to the respective component. Clearance and creepage distances to other components must be devised in accordance with the relevant application standard.			

BLZF 5.08/180 LH**Order data**

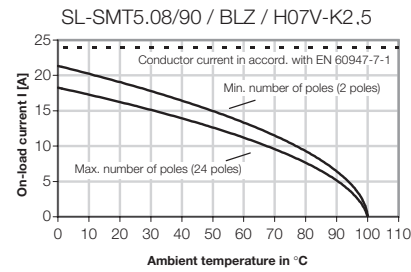
Solder pin length					
Colour			orange	black	
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1895720000	1893160000
3	10.16	(0.400)	100	1895730000	1893170000
4	15.24	(0.600)	100	1895740000	1893180000
5	20.32	(0.800)	50	1895750000	1893190000
6	25.40	(1.000)	50	1895760000	1893200000
7	30.48	(1.200)	50	1895770000	1893210000
8	35.56	(1.400)	50	1895780000	1893220000
9	40.64	(1.600)	50	1895790000	1893230000
10	45.72	(1.800)	50	1895800000	1893240000
11	50.80	(2.000)	50	1895810000	1893250000
12	55.88	(2.200)	50	1895820000	1893260000
13	60.96	(2.400)	50	1895830000	1893270000
14	66.04	(2.600)	50	1895840000	1893280000
15	71.12	(2.800)	50	1895850000	1893290000
16	76.20	(3.000)	50	1895860000	1893300000
17	81.28	(3.200)	20	1895870000	1893310000
18	86.36	(3.400)	20	1895880000	1893320000
19	91.44	(3.600)	20	1895890000	1893330000
20	96.52	(3.800)	20	1895900000	1893340000
21	101.60	(4.000)	20	1895910000	1893350000
22	106.68	(4.200)	20	1895920000	1893360000
23	111.76	(4.400)	20	1895930000	1893370000
24	116.84	(4.600)	20	1895940000	1893380000

BLZF 5.08/180 LR**Order data**

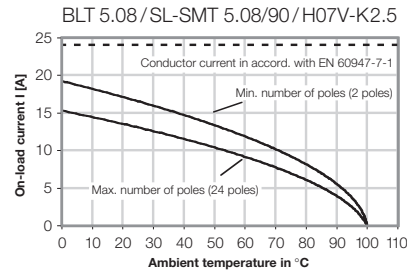
Solder pin length					
Colour			orange	black	
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1851410000	1892720000
3	10.16	(0.400)	100	1851420000	1892730000
4	15.24	(0.600)	100	1851430000	1892740000
5	20.32	(0.800)	50	1851440000	1892750000
6	25.40	(1.000)	50	1851450000	1892760000
7	30.48	(1.200)	50	1851460000	1892770000
8	35.56	(1.400)	50	1851470000	1892780000
9	40.64	(1.600)	50	1851480000	1892790000
10	45.72	(1.800)	50	1851490000	1892800000
11	50.80	(2.000)	50	1851510000	1892810000
12	55.88	(2.200)	50	1851520000	1892820000
13	60.96	(2.400)	50	1851530000	1892830000
14	66.04	(2.600)	50	1851550000	1892840000
15	71.12	(2.800)	50	1851560000	1892850000
16	76.20	(3.000)	50	1851580000	1892860000
17	81.28	(3.200)	20	1851600000	1892870000
18	86.36	(3.400)	20	1851610000	1892880000
19	91.44	(3.600)	20	1851620000	1892890000
20	96.52	(3.800)	20	1851630000	1892900000
21	101.60	(4.000)	20	1851640000	1892910000
22	106.68	(4.200)	20	1851650000	1892920000
23	111.76	(4.400)	20	1851660000	1892930000
24	116.84	(4.600)	20	1851670000	1892940000

Derating curves

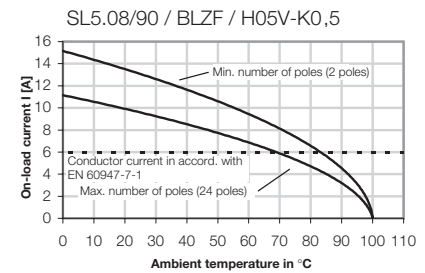
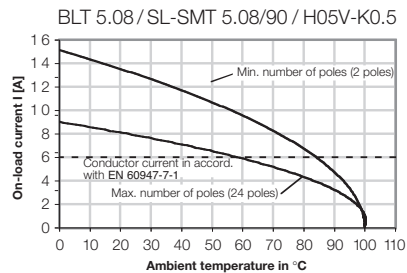
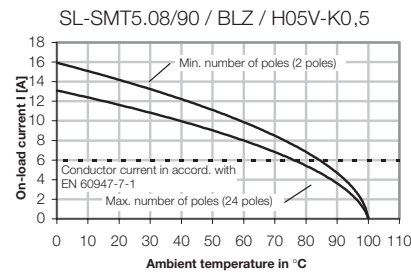
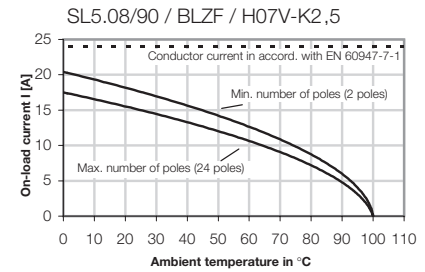
BLZ 5.08 LH BLZ 5.08 LR



BLT 5.08 LH BLT 5.08 LR



BLZF 5.08 LH BLZF 5.08 LR



BLZ 5.08/90/270 BLZ 5.00/90/270

