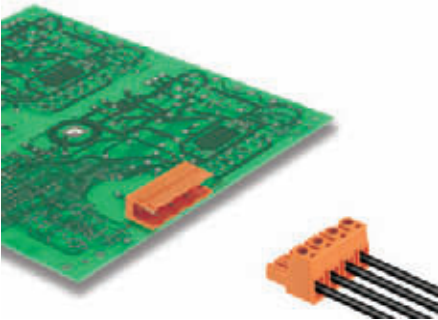


Omnimate Range pitch 7.50 / 7.62

Omnimate Range pitch 7.50 / 7.62	Male connectors with solder connection	G.2
	Male connectors with tension clamp connection	G.6
	Socket connectors with clamping yoke connection	G.8
	Socket connectors with tension clamp connection	G.14

Male connectors with solder connection

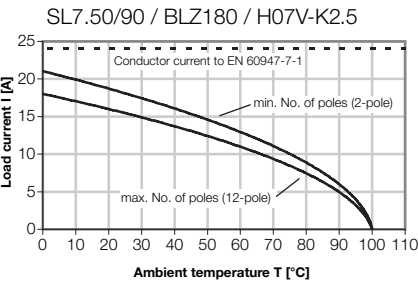
SL 7.62/90
SL 7.50/90



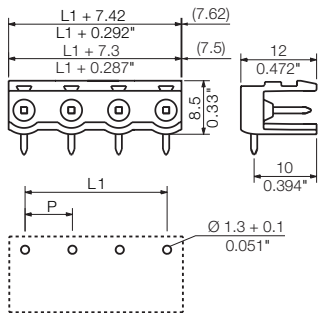
Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering process. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

- 800 V (IEC) / 300 V (UL)
- 18.5 A (IEC) / 15 A (UL)

Derating curve



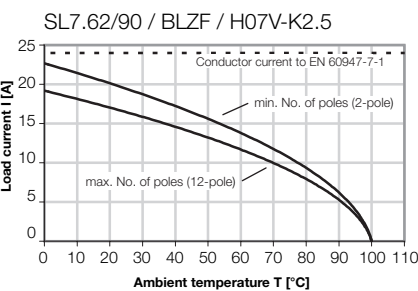
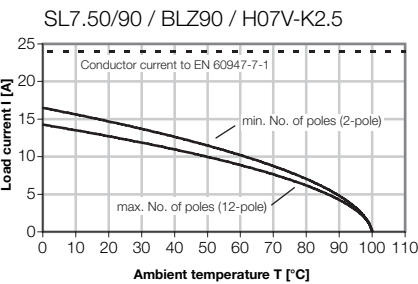
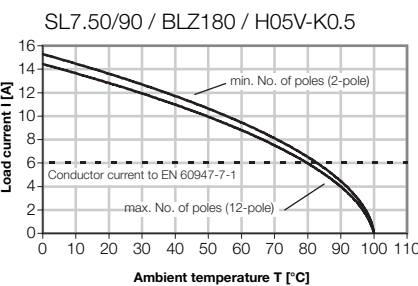
SL 7.62/90
SL 7.50/90



Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm²		
Solid H05(07) V-U	mm²		
Stranded H07 V-R	mm²		
Flexible H05(07) V-K	mm²		
Flexible with ferrule	mm²		
Ferrule with plastic collar	mm²		
Stripping length	mm		
Screwdriver blade	mm		
according to norm			
Tightening torque range	Nm		
Rated current at ambient temperature			
	A	20°C	40°C
		18.5	16
Overvoltage category			
		III	III
Pollution severity			
		3	2
		2	2
Rated voltage	V	500	630
Rated impulse voltage	kV	6	6
		6	6
UL 1059 rated data - E60693			
		B	C
		D	
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			
CSA C22.2 rated data - LR12400 B			
		B	C
		D	
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			
Material data			
Type of insulating material		PBT	
Flammability class acc. UL94		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Rated voltage for 7.62 mm pitch: II/2 = 1000 V / 6 kV
- 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.



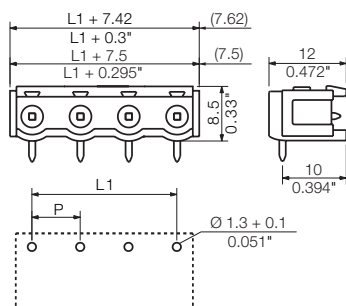
Ordering data

Solder pin length				3.2 mm	
Colour				orange	
Pitch 7.62 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		1624150000
3	15.24	(0.600)	100		1624160000
4	22.86	(0.900)	100		1624170000
5	30.48	(1.200)	50		1624180000
6	38.10	(1.500)	50		1624190000
7	45.72	(1.800)	50		1624200000
8	53.34	(2.100)	50		1624210000
9	60.96	(2.400)	50		1624220000
10	68.58	(2.700)	50		1624230000
11	76.20	(3.000)	50		1624240000
12	83.82	(3.300)	50		1624250000

Pitch 7.50 mm			
Poles	L1 mm (inch)	Qty.	Order No.
2	7.50 (0.295)	100	1628360000
3	15.00 (0.591)	100	1628370000
4	22.50 (0.886)	100	1628380000
5	30.00 (1.181)	50	1628390000
6	37.50 (1.476)	50	1628400000
7	45.00 (1.772)	50	1628410000
8	52.50 (2.067)	50	1628420000
9	60.00 (2.362)	50	1628430000
10	67.50 (2.657)	50	1628440000
11	75.00 (2.953)	50	1628450000
12	82.50 (3.248)	50	1628460000

SL 7.62/90B
SL 7.50/90B

Accessories



Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length	3.2 mm
Colour	orange

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		1624370000
3	15.24	(0.600)	100		1624380000
4	22.86	(0.900)	100		1624390000
5	30.48	(1.200)	50		1624400000
6	38.10	(1.500)	50		1624410000
7	45.72	(1.800)	50		1624420000
8	53.34	(2.100)	50		1624430000
9	60.96	(2.400)	50		1624440000
10	68.58	(2.700)	50		1624450000
11	76.20	(3.000)	50		1624460000
12	83.82	(3.300)	50		1624470000

Pitch 7.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.50	(0.295)	100		1628470000
3	15.00	(0.591)	100		1628480000
4	22.50	(0.886)	100		1628490000
5	30.00	(1.181)	50		1628500000
6	37.50	(1.476)	50		1628510000
7	45.00	(1.772)	50		1628520000
8	52.50	(2.067)	50		1628530000
9	60.00	(2.362)	50		1628540000
10	67.50	(2.657)	50		1628550000
11	75.00	(2.953)	50		1628560000
12	82.50	(3.248)	50		1628570000



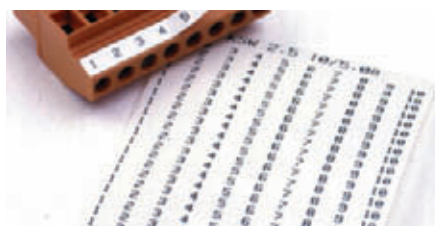
Fixing block

See chapter accessories

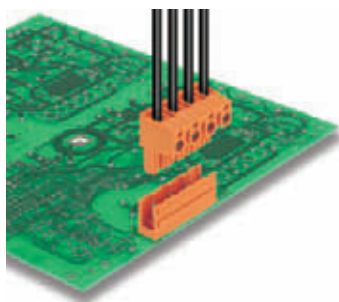


Marking strips

See chapter accessories



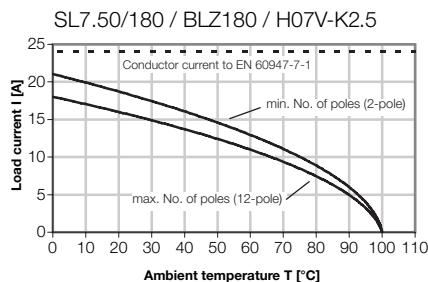
Male connectors with solder connection



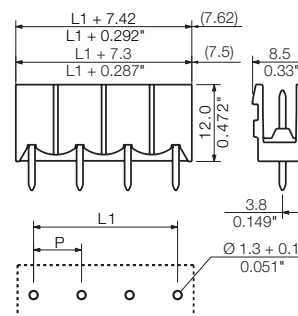
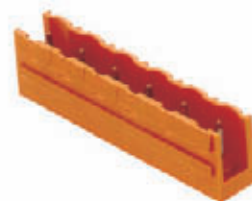
Male connectors, open or closed ended version, with straight 180° outlet direction, for PCB Mounting. The solder pin length is optimised for wave flow soldering process. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

- 800 V (IEC) / 300 V (UL)
- 18.5 A (IEC) / 15 A (UL)

Derating curve



SL 7.62/180
SL 7.50/180



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²
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
Ferrule with plastic collar	mm ²
Stripping length	mm
Screwdriver blade	mm
according to norm	
Tightening torque range	Nm

**Rated current
at ambient temperature**

A	18.5	16
---	------	----

Overvoltage category
Pollution severity

Rated voltage	V	500	630	800
Rated impulse voltage	kV	6	6	6

UL 1059 rated data - E60693

Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			

CSA C22.2 rated data - LR12400 B

Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			

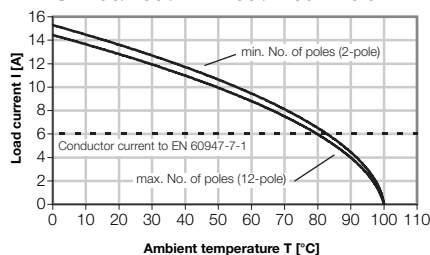
Material data

Type of insulating material	PBT
Flammability class acc. UL94	V-0
Contact base material	CuSn
Material of contact surface	tinned

Information

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Rated voltage for 7.62 mm pitch: $II/2 = 1000 \text{ V} / 6 \text{ kV}$
- 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.

SL7.50/180 / BLZ180 / H05V-K0.5



Ordering data

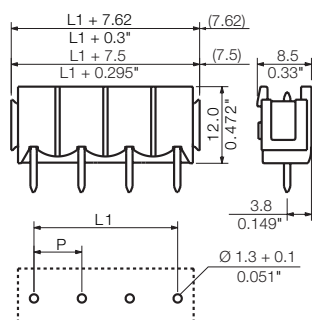
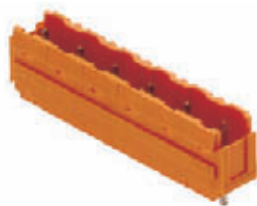
Solder pin length	3.2 mm
Colour	orange

Pitch 7.62 mm

Poles	1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		1625030000
3	15.24	(0.600)	100		1625040000
4	22.86	(0.900)	100		1625050000
5	30.48	(1.200)	50		1625060000
6	38.10	(1.500)	50		1625070000
7	45.72	(1.800)	50		1625080000
8	53.34	(2.100)	50		1625090000
9	60.96	(2.400)	50		1625100000
10	68.58	(2.700)	50		1625110000
11	76.20	(3.000)	50		1625120000
12	83.82	(3.300)	50		1625130000

Pitch 7.50 mm

Poles	1 mm (inch)	Qty.	Order No.	Order No.
2	7.50 (0.295)	100		1629020000
3	15.00 (0.591)	100		1629030000
4	22.50 (0.886)	100		1629040000
5	30.00 (1.181)	50		1629050000
6	37.50 (1.476)	50		1629060000
7	45.00 (1.772)	50		1629070000
8	52.50 (2.067)	50		1629080000
9	60.00 (2.362)	50		1629090000
10	67.50 (2.657)	50		1629100000
11	75.00 (2.953)	50		1629110000
12	82.50 (3.248)	50		1629120000

SL 7.62/180B
SL 7.50/180B

Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length	3.2 mm
Colour	orange

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100		1625250000
3	15.24	(0.600)	100		1625260000
4	22.86	(0.900)	100		1625270000
5	30.48	(1.200)	50		1625280000
6	38.10	(1.500)	50		1625290000
7	45.72	(1.800)	50		1625300000
8	53.34	(2.100)	50		1625310000
9	60.96	(2.400)	50		1625320000
10	68.58	(2.700)	50		1625330000
11	76.20	(3.000)	50		1625340000
12	83.82	(3.300)	50		1625350000

Pitch 7.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.50	(0.295)	100		1629130000
3	15.00	(0.591)	100		1629140000
4	22.50	(0.886)	100		1629150000
5	30.00	(1.181)	50		1629160000
6	37.50	(1.476)	50		1629170000
7	45.00	(1.772)	50		1629180000
8	52.50	(2.067)	50		1629190000
9	60.00	(2.362)	50		1629200000
10	67.50	(2.657)	50		1629210000
11	75.00	(2.953)	50		1629220000
12	82.50	(3.248)	50		1629230000



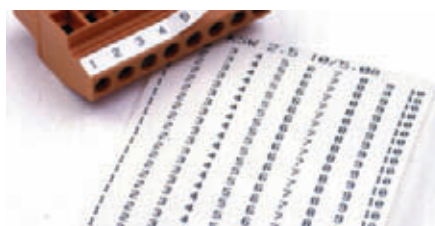
Fixing block

See chapter accessories



Marking strips

See chapter accessories

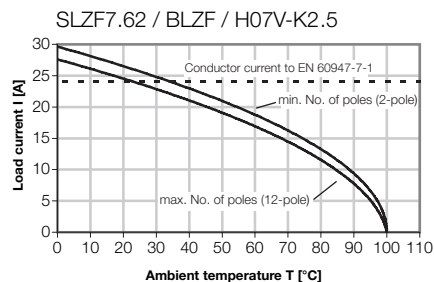


SLZFS 7.62/180

Male connectors for connecting conductors using tension clamp system, with straight 180° outlet direction in thin-element technology. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

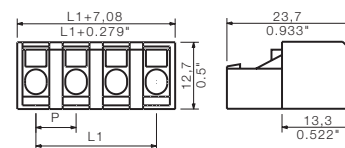
- 0.20 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 800 V (IEC) / 300 V (UL)
- 24 A (IEC) / 10 A (UL)

Derating curve



SLZFS 7.62/180

Thin-element technology



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...2.5
Solid H05(07) V-U	mm ²	0.2...2.5
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	0.2...2.5
Flexible with ferrule	mm ²	0.5...1.5
Ferrule with plastic collar	mm ²	0.5...1.5
Stripping length	mm	7
Screwdriver blade	mm	0.6 x 3.5
according to norm		DIN 5264-A
Tightening torque range	Nm	

**Rated current
at ambient temperature**

A	24	20
---	----	----

Overvoltage category
Pollution severity

Rated voltage	V	500	630	800
Rated impulse voltage	kV	6	6	6

UL 1059 rated data - E60693

Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		26-14	

CSA C22.2 rated data - LR12400 B

Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor		26-14	

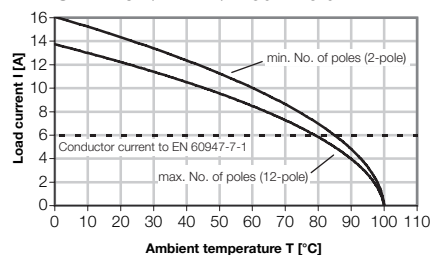
Material data

Type of insulating material	PBT
Flammability class acc. UL94	V-0
Contact base material	E-Cu
Material of contact surface	tinned

Information

- 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 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- 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.

SLZF7.62 / BLZF / H05V-K0.5



Ordering data

Solder pin length

Colour

orange

Pitch 7.62 mm

Poles	1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100	1754450000	
3	15.24	(0.600)	100	1754460000	
4	22.86	(0.900)	100	1754470000	
5	30.48	(1.200)	50	1754480000	
6	38.10	(1.500)	50	1754490000	
7	45.72	(1.800)	50	1754500000	
8	53.34	(2.100)	50	1754510000	
9	60.96	(2.400)	50	1754520000	
10	68.58	(2.700)	50	1754530000	
11	76.20	(3.000)	50	1754540000	
12	83.82	(3.300)	50	1754550000	

Accessories

Possible colors

Additional colours on request



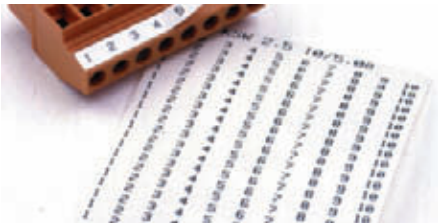
Coding

See chapter accessories



Marking strips

See chapter accessories



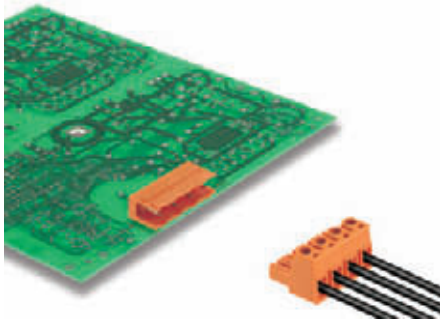
Screwdriver

See chapter accessories
Order No. 9008330000



Socket connectors with clamping yoke connection

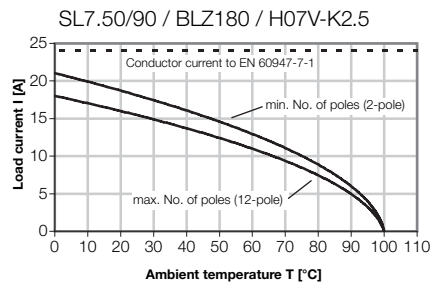
BLZ 7.62/180 BLZ 7.50/180



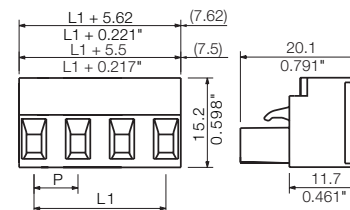
Socket connectors with clamping yoke screw connection for conductor connection with straight 180° outlet direction. The socket connectors provide space for labelling and can be coded. Packaged in cardboard box.

- 0.20 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 800 V (IEC) / 300 V (UL)
- 18.5 A (IEC) / 15 A (UL)

Derating curve



BLZ 7.62/180 BLZ 7.50/180



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...3.31
Solid H05(07) V-U	mm ²	0.2...2.5
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	0.2...2.5
Flexible with ferrule	mm ²	0.2...2.5
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

at ambient temperature	20°C	40°C
A	18.5	16

Overvoltage category

III	III	II
-----	-----	----

Pollution severity

3	2	2
---	---	---

Rated voltage	V	500	630	800
---------------	---	-----	-----	-----

Rated impulse voltage	kV	6	6	6
-----------------------	----	---	---	---

UL 1059 rated data - E60693

Rated voltage	V	300	300
---------------	---	-----	-----

Rated current	A	15	10
---------------	---	----	----

AWG conductor		26-12	
---------------	--	-------	--

@ CSA C22.2 rated data - LR12400 B

Rated voltage	V	300	300
---------------	---	-----	-----

Rated current	A	15	10
---------------	---	----	----

AWG conductor		26-12	
---------------	--	-------	--

Material data

Type of insulating material	PBT
-----------------------------	-----

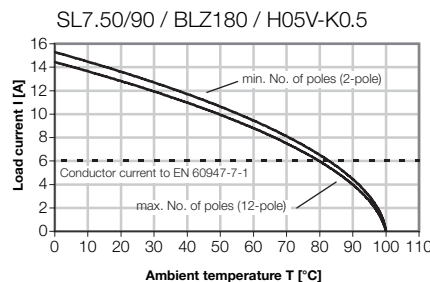
Flammability class acc. UL94	V-0
------------------------------	-----

Contact base material	Cu alloy
-----------------------	----------

Material of contact surface	tinned
-----------------------------	--------

Information

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 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.



Ordering data

Solder pin length

Colour **orange**

Pitch 7.62 mm

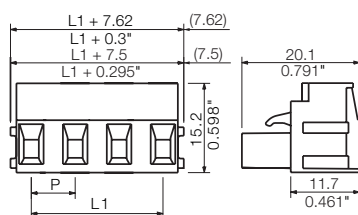
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100	1623050000	
3	15.24	(0.600)	100	1623060000	
4	22.86	(0.900)	100	1623070000	
5	30.48	(1.200)	50	1623080000	
6	38.10	(1.500)	50	1623090000	
7	45.72	(1.800)	50	1623100000	
8	53.34	(2.100)	50	1623110000	
9	60.96	(2.400)	50	1623120000	
10	68.58	(2.700)	50	1623130000	
11	76.20	(3.000)	50	1623140000	
12	83.82	(3.300)	50	1623150000	

Pitch 7.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.50	(0.295)	100	1627920000	
3	15.00	(0.591)	100	1627930000	
4	22.50	(0.886)	100	1627940000	
5	30.00	(1.181)	50	1627950000	
6	37.50	(1.476)	50	1627960000	
7	45.00	(1.772)	50	1627970000	
8	52.50	(2.067)	50	1627980000	
9	60.00	(2.362)	50	1627990000	
10	67.50	(2.657)	50	1628000000	
11	75.00	(2.953)	50	1628010000	
12	82.50	(3.248)	50	1628020000	

BLZ 7.62/180B
BLZ 7.50/180B

Accessories



Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length

Colour	orange
--------	--------

Pitch 7.62 mm

Poles	1.1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100	1623380000	
3	15.24	(0.600)	100	1623390000	
4	22.86	(0.900)	100	1623400000	
5	30.48	(1.200)	50	1623410000	
6	38.10	(1.500)	50	1623420000	
7	45.72	(1.800)	50	1623430000	
8	53.34	(2.100)	50	1623440000	
9	60.96	(2.400)	50	1623450000	
10	68.58	(2.700)	50	1623460000	
11	76.20	(3.000)	50	1623470000	
12	83.82	(3.300)	50	1623480000	

Pitch 7.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.50	(0.295)	100	1628140000	
3	15.00	(0.591)	100	1628150000	
4	22.50	(0.886)	100	1628160000	
5	30.00	(1.181)	50	1628170000	
6	37.50	(1.476)	50	1628180000	
7	45.00	(1.772)	50	1628190000	
8	52.50	(2.067)	50	1628200000	
9	60.00	(2.362)	50	1628210000	
10	67.50	(2.657)	50	1628220000	
11	75.00	(2.953)	50	1628230000	
12	82.50	(3.248)	50	1628240000	



Cable grip

See chapter accessories



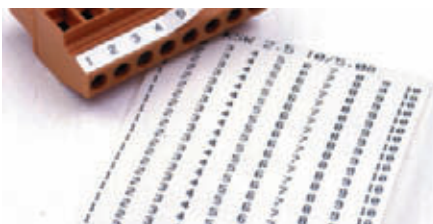
Fixing block

See chapter accessories



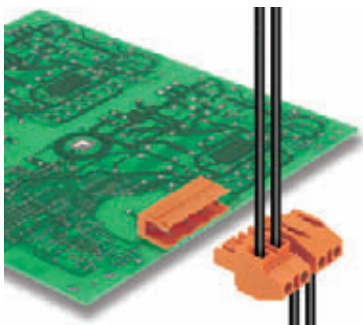
Marking strips

See chapter accessories



Socket connectors with clamping yoke connection

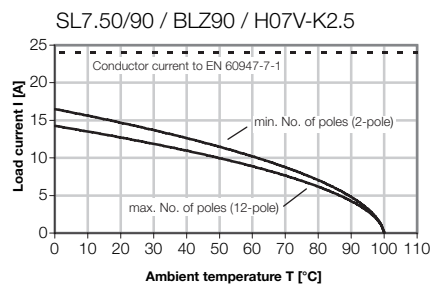
BLZ 7.62/90 BLZ 7.50/90



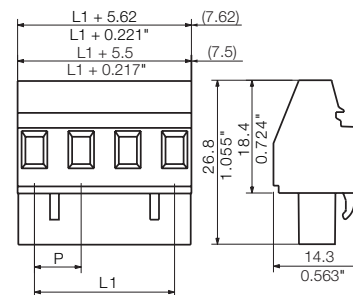
Socket connectors with clamping yoke screw connection for conductor connection with 90° outlet direction, for use with and without mounting blocks. The socket connectors provide space for labelling and can be coded. Packaged in cardboard box.

- 0.20 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 800 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

Derating curve



BLZ 7.62/90 BLZ 7.50/90



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...3.31
Solid H05(07) V-U	mm ²	0.2...2.5
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	0.2...2.5
Flexible with ferrule	mm ²	0.2...2.5
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

at ambient temperature	20°C	40°C
A	15	12.5

Overvoltage category

	III	III	II
--	-----	-----	----

Pollution severity

	3	2	2
--	---	---	---

UL 1059 rated data - E60693

Rated voltage	V	300	300
Rated impulse voltage	kV	6	8
		8	8

@ CSA C22.2 rated data - LR12400 B

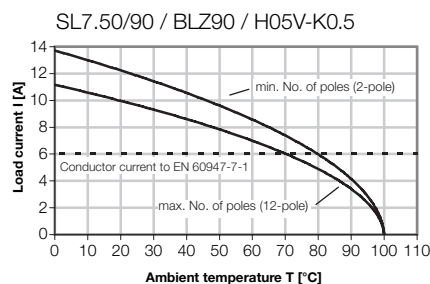
	B	C	D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor		26-12	

Material data

Type of insulating material	PBT
Flammability class acc. UL94	V-0
Contact base material	Cu alloy
Material of contact surface	tinned

Information

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 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.



Ordering data

Solder pin length

Colour orange

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100	1702670000	
3	15.24	(0.600)	100	1702680000	
4	22.86	(0.900)	100	1702690000	
5	30.48	(1.200)	50	1702700000	
6	38.10	(1.500)	50	1702710000	
7	45.72	(1.800)	50	1702720000	
8	53.34	(2.100)	50	1702730000	
9	60.96	(2.400)	50	1702740000	
10	68.58	(2.700)	50	1702750000	
11	76.20	(3.000)	50	1702760000	
12	83.82	(3.300)	50	1702770000	

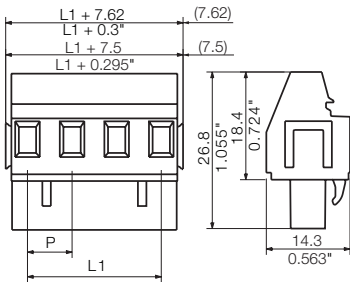
Pitch 7.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.50	(0.295)	100	1701790000	
3	15.00	(0.591)	100	1701800000	
4	22.50	(0.886)	100	1701810000	
5	30.00	(1.181)	50	1701820000	
6	37.50	(1.476)	50	1701830000	
7	45.00	(1.772)	50	1701840000	
8	52.50	(2.067)	50	1701850000	
9	60.00	(2.362)	50	1701860000	
10	67.50	(2.657)	50	1701870000	
11	75.00	(2.953)	50	1701880000	
12	82.50	(3.248)	50	1701890000	

BLZ 7.62/90B
BLZ 7.50/90B

Accessories

Omnimate Range
pitch 7.50 / 7.62



Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length

Colour orange

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100	1702890000	
3	15.24	(0.600)	100	1702900000	
4	22.86	(0.900)	100	1702910000	
5	30.48	(1.200)	50	1702920000	
6	38.10	(1.500)	50	1702930000	
7	45.72	(1.800)	50	1702940000	
8	53.34	(2.100)	50	1702950000	
9	60.96	(2.400)	50	1702960000	
10	68.58	(2.700)	50	1702970000	
11	76.20	(3.000)	50	1702980000	
12	83.82	(3.300)	50	1702990000	

Pitch 7.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.50	(0.295)	100	1702010000	
3	15.00	(0.591)	100	1702020000	
4	22.50	(0.886)	100	1702030000	
5	30.00	(1.181)	50	1702040000	
6	37.50	(1.476)	50	1702050000	
7	45.00	(1.772)	50	1702060000	
8	52.50	(2.067)	50	1702070000	
9	60.00	(2.362)	50	1702080000	
10	67.50	(2.657)	50	1702090000	
11	75.00	(2.953)	50	1702100000	
12	82.50	(3.248)	50	1702110000	



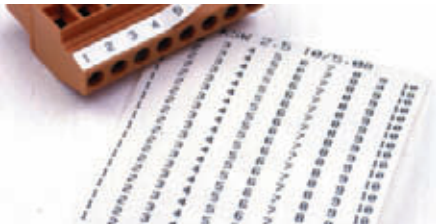
Fixing block

See chapter accessories



Marking strips

See chapter accessories



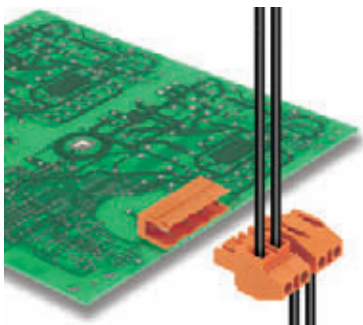
Screwdriver

See chapter accessories
Order No. 9008390000



Socket connectors with clamping yoke connection

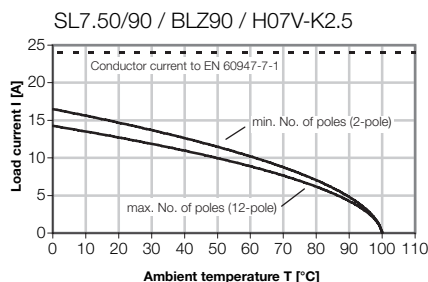
BLZ 7.62/270 BLZ 7.50/270



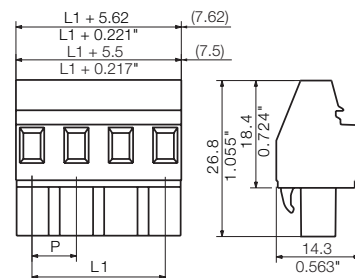
Socket connectors with clamping yoke screw connection, offering versions for use with and without mounting blocks, for conductor connection with 270° outlet direction. The socket connectors provide space for labelling and can be coded. Packaged in cardboard box.

- 0.20 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 800 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

Derating curve



BLZ 7.62/270 BLZ 7.50/270



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...3.31
Solid H05(07) V-U	mm ²	0.2...2.5
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	0.2...2.5
Flexible with ferrule	mm ²	0.2...2.5
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

at ambient temperature	20°C	40°C
A	15	12.5

Overvoltage category

	III	III	II
--	-----	-----	----

Pollution severity

	3	2	2
--	---	---	---

UL 1059 rated data - E60693

Rated voltage	V	300	300
Rated impulse voltage	kV	6	8
		B	C
Rated current	A	10	10
AWG conductor		26-12	

@ CSA C22.2 rated data - LR12400 B

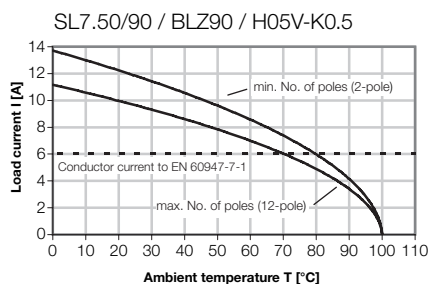
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor		26-12	

Material data

Type of insulating material	PBT
Flammability class acc. UL94	V-0
Contact base material	Cu alloy
Material of contact surface	tinned

Information

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 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.



Ordering data

Solder pin length

Colour **orange**

Pitch 7.62 mm

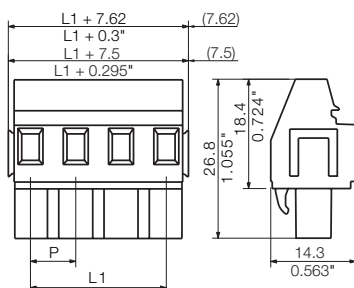
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100	1703110000	
3	15.24	(0.600)	100	1703120000	
4	22.86	(0.900)	100	1703130000	
5	30.48	(1.200)	50	1703140000	
6	38.10	(1.500)	50	1703150000	
7	45.72	(1.800)	50	1703160000	
8	53.34	(2.100)	50	1703170000	
9	60.96	(2.400)	50	1703180000	
10	68.58	(2.700)	50	1703190000	
11	76.20	(3.000)	50	1703200000	
12	83.82	(3.300)	50	1703210000	

Pitch 7.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.50	(0.295)	100	1702230000	
3	15.00	(0.591)	100	1702240000	
4	22.50	(0.886)	100	1702250000	
5	30.00	(1.181)	50	1702260000	
6	37.50	(1.476)	50	1702270000	
7	45.00	(1.772)	50	1702280000	
8	52.50	(2.067)	50	1702290000	
9	60.00	(2.362)	50	1702300000	
10	67.50	(2.657)	50	1702310000	
11	75.00	(2.953)	50	1702320000	
12	82.50	(3.248)	50	1702330000	

BLZ 7.62/270B
BLZ 7.50/270B

Accessories



Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length

Colour	orange
--------	--------

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100	1703330000	
3	15.24	(0.600)	100	1703340000	
4	22.86	(0.900)	100	1703350000	
5	30.48	(1.200)	50	1703360000	
6	38.10	(1.500)	50	1703370000	
7	45.72	(1.800)	50	1703380000	
8	53.34	(2.100)	50	1703390000	
9	60.96	(2.400)	50	1703400000	
10	68.58	(2.700)	50	1703410000	
11	76.20	(3.000)	50	1703420000	
12	83.82	(3.300)	50	1703430000	

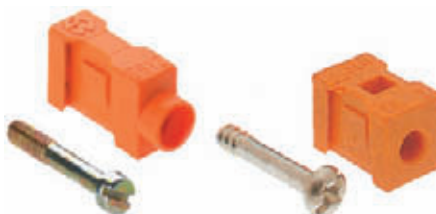
Pitch 7.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.50	(0.295)	100	1702450000	
3	15.00	(0.591)	100	1702460000	
4	22.50	(0.886)	100	1702470000	
5	30.00	(1.181)	50	1702480000	
6	37.50	(1.476)	50	1702490000	
7	45.00	(1.772)	50	1702500000	
8	52.50	(2.067)	50	1702510000	
9	60.00	(2.362)	50	1702520000	
10	67.50	(2.657)	50	1702530000	
11	75.00	(2.953)	50	1702540000	
12	82.50	(3.248)	50	1702550000	



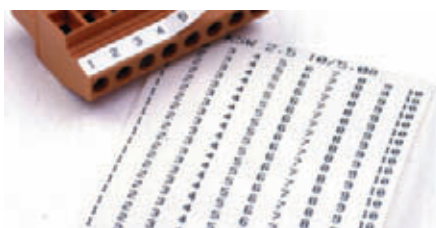
Fixing block

See chapter accessories



Marking strips

See chapter accessories



Screwdriver

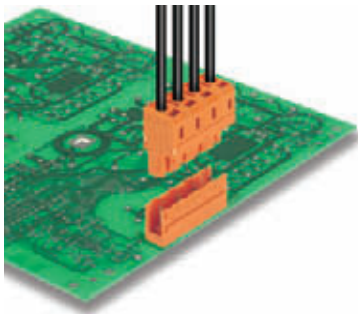
See chapter accessories
Order No. 9008390000



Socket connectors with tension clamp connection

Omnimate Range
pitch 7.50 / 7.62

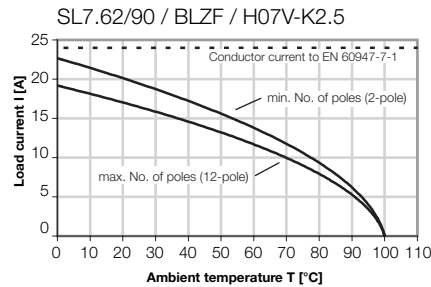
BLZFS 7.62/180 BLZFS 7.50/180



Socket connectors for conductor connection in tension clamp system with straight 180° outlet direction in thin-element technology. The socket connectors provide space for labelling and can be coded. Packaged in cardboard box.

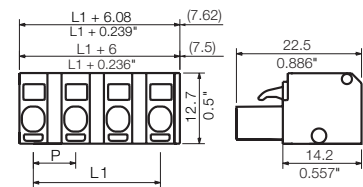
- 0.20 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 800 V (IEC) / 300 V (UL)
- 20 A (IEC) / 10 A (UL)

Derating curve



BLZFS 7.62/180 BLZFS 7.50/180

Thin-element technology



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...2.5
Solid H05(07) V-U	mm ²	0.2...2.5
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	0.2...2.5
Flexible with ferrule	mm ²	0.5...1.5
Ferrule with plastic collar	mm ²	0.5...1.5
Stripping length	mm	7
Screwdriver blade	mm	0.6 x 3.5
according to norm		DIN 5264-A
Tightening torque range	Nm	

Rated current at ambient temperature

	20°C	40°C
A	20	17

Overvoltage category

	III	III	II
Pollution severity	3	2	2

Rated voltage	V	500	630	800
Rated impulse voltage	kV	6	6	6

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	14	10
AWG conductor		26-14	

Material data

Type of insulating material	PBT
Flammability class acc. UL94	V-0
Contact base material	Cu alloy
Material of contact surface	tinned

Information

- Additional colours on request

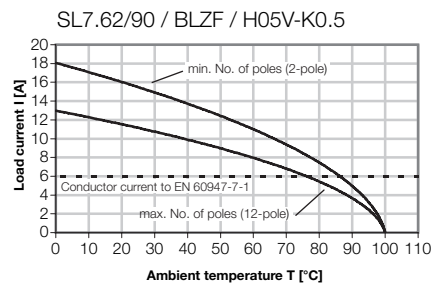
- Rated current related to rated cross-section and min. No. of poles.

- Wire end ferrule without plastic collar to DIN 46228 pt 1

- Wire end ferrule with plastic collar to DIN 46228 pt 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.



Ordering data

Solder pin length

Colour orange

Pitch 7.62 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.62	(0.300)	100	1722610000	
3	15.24	(0.600)	100	1722620000	
4	22.86	(0.900)	100	1722630000	
5	30.48	(1.200)	50	1722640000	
6	38.10	(1.500)	50	1722650000	
7	45.72	(1.800)	50	1722660000	
8	53.34	(2.100)	50	1722670000	
9	60.96	(2.400)	50	1722680000	
10	68.58	(2.700)	50	1722690000	
11	76.20	(3.000)	50	1722700000	
12	83.82	(3.300)	50	1722710000	

Pitch 7.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	7.50	(0.295)	100	1717260000	
3	15.00	(0.591)	100	1717270000	
4	22.50	(0.886)	100	1717280000	
5	30.00	(1.181)	50	1717290000	
6	37.50	(1.476)	50	1718570000	
7	45.00	(1.772)	50	1717300000	
8	52.50	(2.067)	50	1717310000	
9	60.00	(2.362)	50	1718580000	
10	67.50	(2.657)	50	1718590000	
11	75.00	(2.953)	50	1718600000	
12	82.50	(3.248)	50	1718610000	

Accessories

Possible colors

Additional colours on request



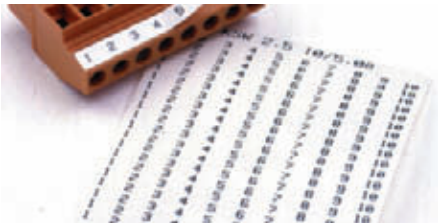
Coding

See chapter accessories



Marking strips

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008330000



