

Omnimate Range pitch 3.50 / 3.81

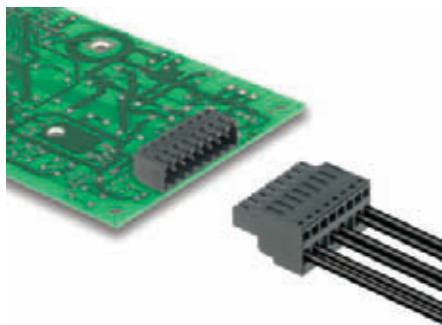
Omnimate Range pitch 3.50

Male connectors with THR solder connection	E.2
Male connectors with solder connection	E.14
Socket connectors with clamping yoke connection	E.26
Socket connectors with tension clamp connection	E.34
Socket connectors with IDC	E.38
Socket connectors with Push In connection for decentralised I/O electronics	E.44

Omnimate Range pitch 3.81

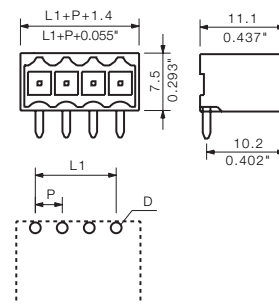
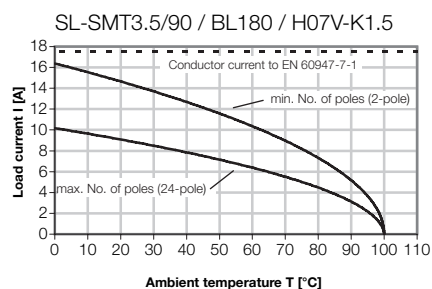
Male connectors with THR solder connection	E.48
Male connectors with solder connection	E.56
Socket connectors with clamping yoke connection	E.60

Derating curve



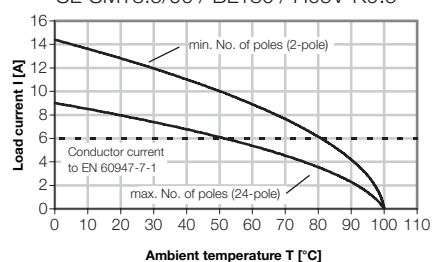
E

- ## SL-SMT 3.5/90G Box



SL-SMT3.5/90 / BL180 / H05V-K0.5

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 normal temperature		20°C	40°C	
	A	15	13	
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	250
Rated impulse voltage	kV	2.5	2.5	2.5
UL 1059 rated data - E60693		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor				
CSA C22.2 rated data - LR12400 B		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor				
Material data				
Type of insulating material		LCP GF		
Flammability class acc. UL94		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Information				

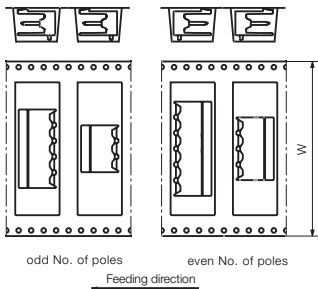


Ordering data

[illegible]

Pitch 3.50 mm					
Poles	L mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100	1761542001	1841630000
3	7.00	(0.276)	100	1761552001	1841640000
4	10.50	(0.413)	100	1761562001	1841650000
5	14.00	(0.551)	50	1761572001	1841660000
6	17.50	(0.689)	50	1761582001	1841670000
7	21.00	(0.827)	50	1761592001	1841680000
8	24.50	(0.965)	50	1761602001	1841690000
9	28.00	(1.102)	50	1761612001	1841700000
10	31.50	(1.240)	50	1761622001	1841710000
11	35.00	(1.378)	50	1761632001	1841720000
12	38.50	(1.516)	50	1761642001	1841730000
13	42.00	(1.654)	50	1761652001	1841740000
14	45.50	(1.791)	50	1761662001	1841750000
15	49.00	(1.929)	50	1761672001	1841760000
16	52.50	(2.067)	50	1761682001	1841770000
17	56.00	(2.205)	20	1761692001	1841780000
18	59.50	(2.343)	20	1761702001	1841790000
19	63.00	(2.480)	20	1761712001	1841800000
20	66.50	(2.618)	20	1761722001	1841810000
21	70.00	(2.756)	20	1761732001	1841820000
22	73.50	(2.894)	20	1761742001	1841830000
23	77.00	(3.031)	20	1761752001	1841840000
24	80.50	(3.169)	20	1761762001	1841850000

SL-SMT 3.5/90G Tape



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



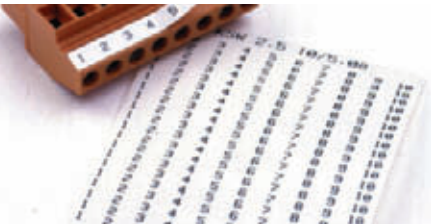
Locking lever

See chapter accessories



Marking strips

See chapter accessories



Floodlight indicator

See chapter accessories



Ordering data

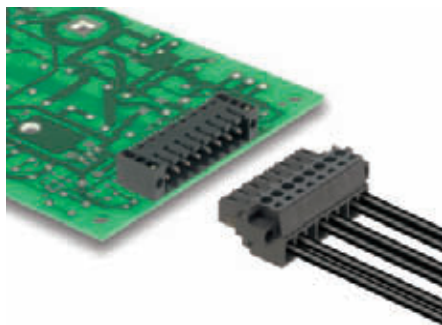
Solder pin length	1.5 mm
Colour	black

Pitch 3.50 mm

Poles	L mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	250	1761544002	
3	7.00	(0.276)	250	1761554002	
4	10.50	(0.413)	250	1761564002	
5	14.00	(0.551)	250	1761574002	
6	17.50	(0.689)	250	1761584001	
7	21.00	(0.827)	250	1761594001	
8	24.50	(0.965)	250	1761604001	
9	28.00	(1.102)	250	1761614001	
10	31.50	(1.240)	250	1761624001	
11	35.00	(1.378)	250	1761634001	

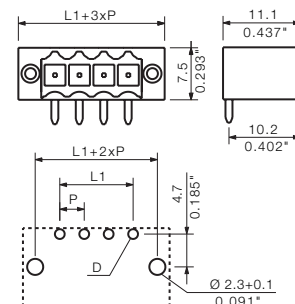
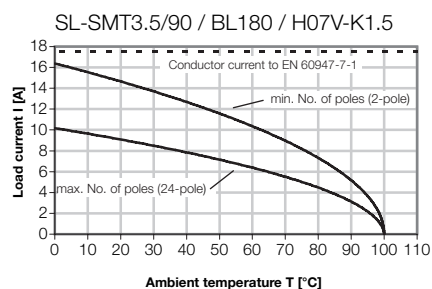
Tape width W = 32 mm for 2- to 5-pole version, otherwise 56 mm

Derating curve



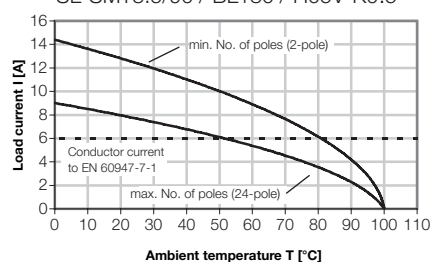
E

- ### SL-SMT 3.5/90F Box



SL-SMT3.5/90 / BL180 / H05V-K0.5

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 normal temperature		20°C	40°C	
	A	15	13	
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	250
Rated impulse voltage	kV	2.5	2.5	2.5
UL 1059 rated data - E60693		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor				
CSA C22.2 rated data - LR12400 B		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor				
Material data				
Type of insulating material		LCP GF		
Flammability class acc. UL94		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Information				



Ordering data

[illegible]

Pitch 3.50 mm				
Poles	1 mm	(inch)	Qty.	Order No.
2	3.50	(0.138)	100	1842080000
3	7.00	(0.276)	100	1842090000
4	10.50	(0.413)	100	1842100000
5	14.00	(0.551)	50	1842110000
6	17.50	(0.689)	50	1842120000
7	21.00	(0.827)	50	1842130000
8	24.50	(0.965)	50	1842140000
9	28.00	(1.102)	50	1842150000
10	31.50	(1.240)	50	1842160000
11	35.00	(1.378)	50	1842170000
12	38.50	(1.516)	50	1842180000
13	42.00	(1.654)	50	1842190000
14	45.50	(1.791)	50	1842200000
15	49.00	(1.929)	50	1842210000
16	52.50	(2.067)	50	1842220000
17	56.00	(2.205)	20	1842230000
18	59.50	(2.343)	20	1842240000
19	63.00	(2.480)	20	1842250000
20	66.50	(2.618)	20	1842260000
21	70.00	(2.756)	20	1842270000
22	73.50	(2.894)	20	1842280000
23	77.00	(3.031)	20	1842290000
24	80.50	(3.169)	20	1842300000

Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



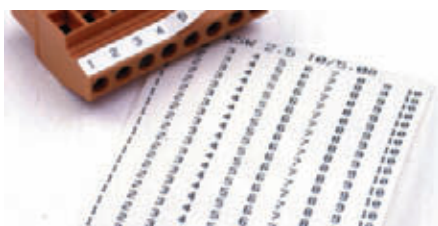
Locking lever

See chapter accessories



Marking strips

See chapter accessories

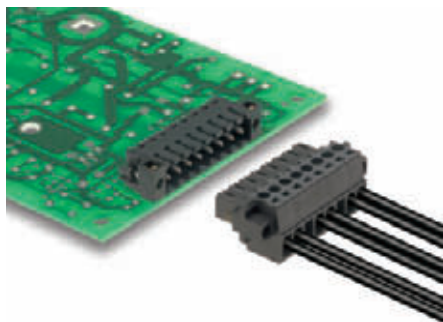


Floodlight indicator

See chapter accessories



Male connectors with THR solder connection

SL-SMT 3.5/90LF

High-temperature-resistant, angled, closed male connector with solder flange for all common soldering methods in 3.5 mm pitch. Optimised for automatic assembly. Packed in box or tape. 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors can be labelled and coded.

- 250 V (IEC) / 300 V (UL)
- 15 A (IEC / 10 A (UL)

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	15	13
Overvoltage category		III	II
Pollution severity		3	2

Rated voltage

Rated impulse voltage	kV	2.5	2.5	2.5
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UL 1059 rated data - E60693

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

CSA C22.2 rated data - LR12400 B

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

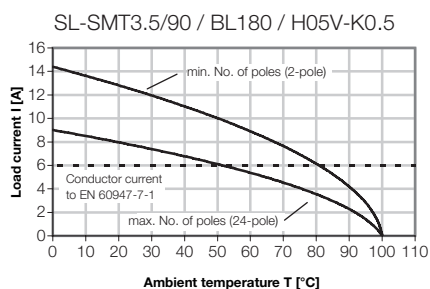
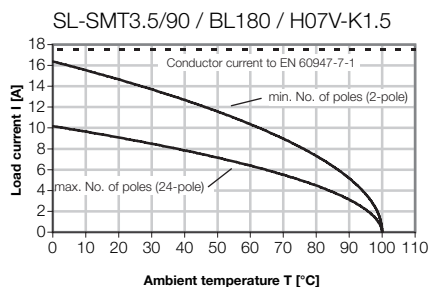
Material data

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

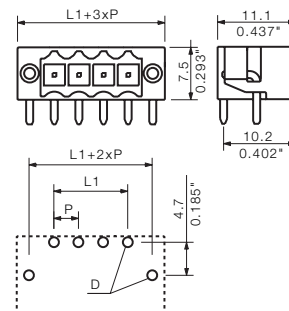
Information

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Hole diameter $D = 1.4 \pm 0.1 \text{ mm}$
- Hole diameter $D = 1.5 \pm 0.1 \text{ mm}$ for 9 poles
- 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.

Derating curve



SL-SMT 3.5/90LF Box



Ordering data

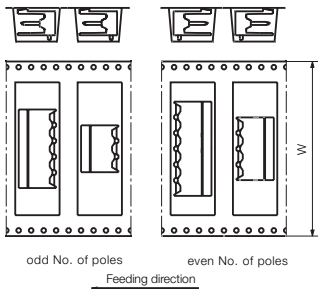
Solder pin length	1.5 mm	3.2 mm
Colour	black	black

[illegible]

Pitch 3.50 mm

Poles	1 mm (inch)	Qty.	Order No.	Order No.
2	3.50 (0.138)	100	1804940000	1841860000
3	7.00 (0.276)	100	1804950000	1841870000
4	10.50 (0.413)	100	1804960000	1841880000
5	14.00 (0.551)	50	1804970000	1841890000
6	17.50 (0.689)	50	1804980000	1841900000
7	21.00 (0.827)	50	1804990000	1841910000
8	24.50 (0.965)	50	1805000000	1841920000
9	28.00 (1.102)	50	1805010000	1841930000
10	31.50 (1.240)	50	1805020000	1841940000
11	35.00 (1.378)	50	1805030000	1841950000
12	38.50 (1.516)	50	1805040000	1840340000
13	42.00 (1.654)	50	1805050000	1841960000
14	45.50 (1.791)	50	1805060000	1841970000
15	49.00 (1.929)	50	1805070000	1841980000
16	52.50 (2.067)	50	1805080000	1841990000
17	56.00 (2.205)	20	1805090000	1842000000
18	59.50 (2.343)	20	1805100000	1842010000
19	63.00 (2.480)	20	1805110000	1842020000
20	66.50 (2.618)	20	1805120000	1842030000
21	70.00 (2.756)	20	1805130000	1842040000
22	73.50 (2.894)	20	1805140000	1842050000
23	77.00 (3.031)	20	1805150000	1842060000
24	80.50 (3.169)	20	1805160000	1842070000

SL-SMT 3.5/90LF Tape



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



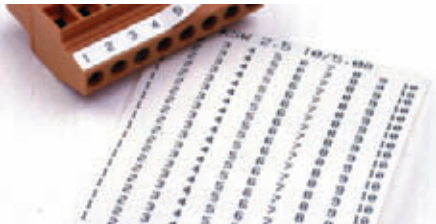
Locking lever

See chapter accessories



Marking strips

See chapter accessories



Floodlight indicator

See chapter accessories



Ordering data

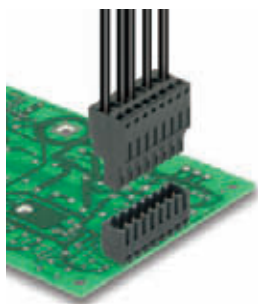
Solder pin length	1.5 mm
Colour	black

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	250	1805310000	
3	7.00	(0.276)	250	1805320000	
4	10.50	(0.413)	250	1805330000	
5	14.00	(0.551)	250	1805340000	
6	17.50	(0.689)	250	1805350000	
7	21.00	(0.827)	250	1805360000	
8	24.50	(0.965)	250	1805370000	
9	28.00	(1.102)	250	1805380000	

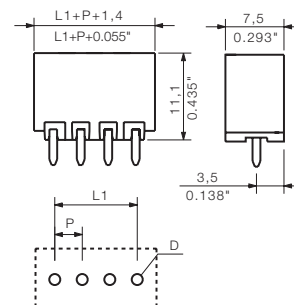
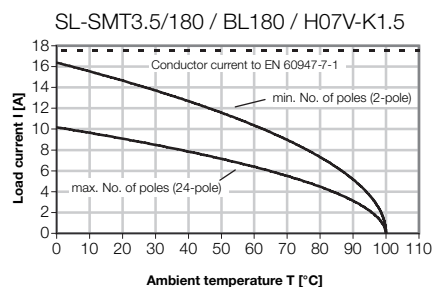
Tape width W = 32 mm for 2- and 3-pole version, otherwise 56 mm

Derating curve



E

- SL-SMT 3.5/180G Box



SL-SMT3.5/180 / BL180 / H05V-K0.5

Figure 1 is a line graph showing the relationship between Load current I [A] (Y-axis) and Ambient temperature T [°C] (X-axis) for the 600V 100A 2-pole circuit breaker. The Y-axis ranges from 0 to 16 A, and the X-axis ranges from 0 to 110 °C. Two curves are plotted: one for the minimum number of poles (2-pole) and one for the maximum number of poles (24-pole). A horizontal dashed line indicates the conductor current to EN 60947-7-1 at 6 A.

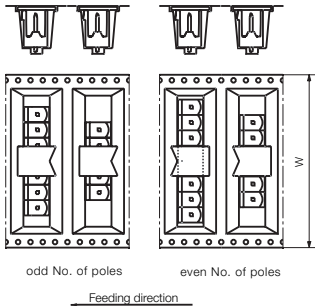
Ambient temperature T [°C]	Load current I [A] (min. No. of poles (2-pole))	Load current I [A] (max. No. of poles (24-pole))
0	14.5	8.5
10	14.0	8.0
20	13.5	7.5
30	13.0	7.0
40	12.5	6.5
50	12.0	6.0
60	11.5	5.5
70	11.0	5.0
80	10.5	4.5
90	10.0	4.0
100	0	0

Ordering data

[illegible]

Poles	1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100	1752982001	1842320000
3	7.00	(0.276)	100	1752992001	1842330000
4	10.50	(0.413)	100	1753002001	1842340000
5	14.00	(0.551)	50	1753012001	1842350000
6	17.50	(0.689)	50	1753022001	1842360000
7	21.00	(0.827)	50	1753032001	1842370000
8	24.50	(0.965)	50	1753042001	1842380000
9	28.00	(1.102)	50	1753052001	1842390000
10	31.50	(1.240)	50	1753062001	1836990000
11	35.00	(1.378)	50	1753072001	1842400000
12	38.50	(1.516)	50	1753082001	1842410000
13	42.00	(1.654)	50	1753092001	1842420000
14	45.50	(1.791)	50	1753102001	1842430000
15	49.00	(1.929)	50	1753112001	1842440000
16	52.50	(2.067)	50	1753122001	1842450000
17	56.00	(2.205)	20	1753132001	1842460000
18	59.50	(2.343)	20	1753142001	1842470000
19	63.00	(2.480)	20	1753152001	1842480000
20	66.50	(2.618)	20	1753162001	1842490000
21	70.00	(2.756)	20	1753172001	1842500000
22	73.50	(2.894)	20	1753182001	1842510000
23	77.00	(3.031)	20	1753192001	1842520000
24	80.50	(3.169)	20	1753202001	1842530000

SL-SMT 3.5/180G Tape



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



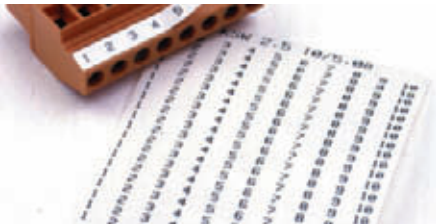
Locking lever

See chapter accessories



Marking strips

See chapter accessories



Ordering data

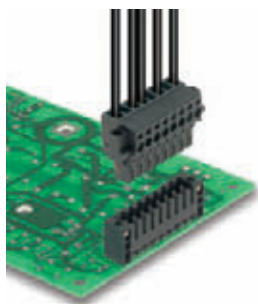
Solder pin length	1.5 mm
Colour	black

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	200	1752984002	
3	7.00	(0.276)	200	1752994002	
4	10.50	(0.413)	200	1753004002	
5	14.00	(0.551)	200	1753014002	
6	17.50	(0.689)	200	1753024001	
7	21.00	(0.827)	200	1753034001	
8	24.50	(0.965)	200	1753044001	
9	28.00	(1.102)	200	1753054001	
10	31.50	(1.240)	200	1753064001	
11	35.00	(1.378)	200	1753074001	

Tape width W = 32 mm for 2- to 5-pole version, otherwise 56 mm

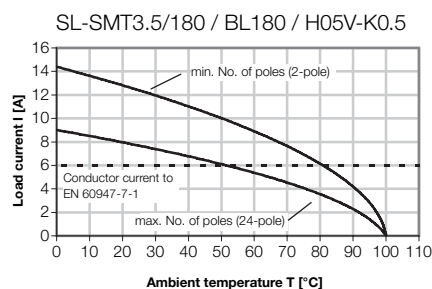
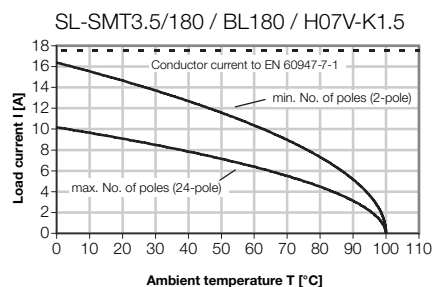
Male connectors with THR solder connection

SL-SMT 3.5/180F

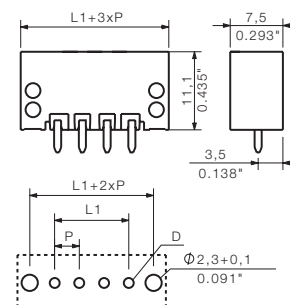
High-temperature-resistant, straight, closed male connector with screw flange for all common soldering methods in 3.5 mm pitch. Optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors can be labelled and coded. Packaged in cardboard box.

- 250 V (IEC) / 300 V (UL)
- 15 A (IEC / 10 A (UL)

Derating curve



SL-SMT 3.5/180F Box



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	15	13
---	----	----

Overvoltage category
Pollution severity

Rated voltage	V	160	160	250
Rated impulse voltage	kV	2.5	2.5	2.5

UL 1059 rated data - E60693

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

CSA C22.2 rated data - LR12400 B

Rated voltage	V	300	300
Rated current	A	10	10

AWG conductor

Material data

Type of insulating material	LCP GF
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.
- Hole diameter $D = 1.4 \pm 0.1 \text{ mm}$
- Hole diameter $D = 1.5 \pm 0.1 \text{ mm}$ for 9 poles
- 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	black

[illegible]

Pitch 3.50 mm

Poles	1 mm (inch)	Qty.	Order No.	Order No.
2	3.50 (0.138)	100		1842770000
3	7.00 (0.276)	100		1842780000
4	10.50 (0.413)	100		1842790000
5	14.00 (0.551)	50		1842800000
6	17.50 (0.689)	50		1842810000
7	21.00 (0.827)	50		1842820000
8	24.50 (0.965)	50		1842830000
9	28.00 (1.102)	50		1842840000
10	31.50 (1.240)	50		1842850000
11	35.00 (1.378)	50		1842860000
12	38.50 (1.516)	50		1842870000
13	42.00 (1.654)	50		1842880000
14	45.50 (1.791)	50		1842890000
15	49.00 (1.929)	50		1842900000
16	52.50 (2.067)	50		1842910000
17	56.00 (2.205)	20		1842920000
18	59.50 (2.343)	20		1842930000
19	63.00 (2.480)	20		1842940000
20	66.50 (2.618)	20		1842950000
21	70.00 (2.756)	20		1842960000
22	73.50 (2.894)	20		1842970000
23	77.00 (3.031)	20		1842980000
24	80.50 (3.169)	20		1842990000

Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



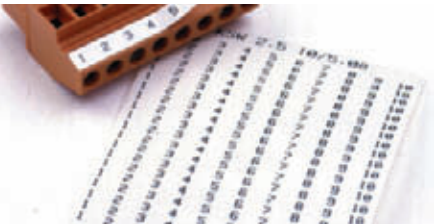
Locking lever

See chapter accessories

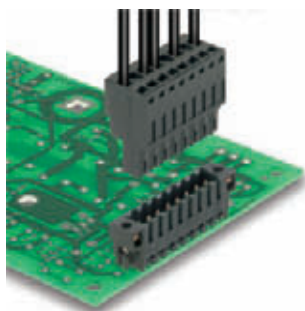


Marking strips

See chapter accessories

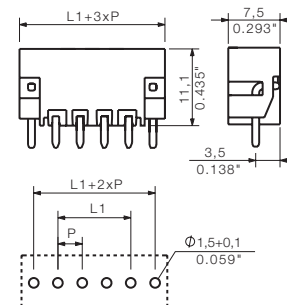
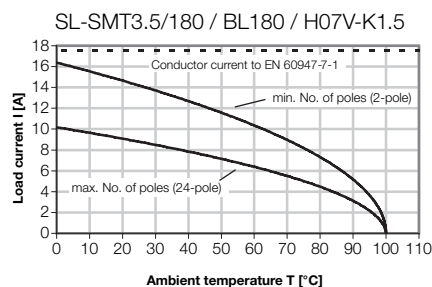


Derating curve



E

- ### SL-SMT 3.5/180LF Box



SL-SMT3.5/180 / BL180 / H05V-K0.5

Load current I [A]

min. No. of poles (2-pole)

max. No. of poles (24-pole)

Conductor current to EN 60947-7-1

Ambient temperature T [°C]

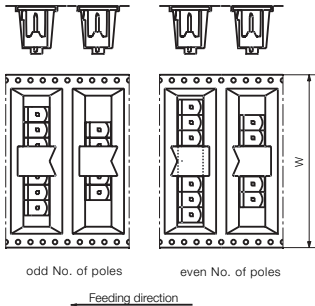
Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid H05(07) V-U	mm ²			
Stranded H07 V-R	mm ²			
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
according to norm				
Tightening torque range	Nm			
Rated current				
at ambient temperature		20°C	40°C	
	A	15	13	
Overvoltage category		III	II	
Pollution severity		3	2	
Rated voltage	V	160	160	250
Rated impulse voltage	kV	2.5	2.5	2.5
UL 1059 rated data - E60693		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor				
CSA C22.2 rated data - LR12400 B		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor				
Material data				
Type of insulating material		LCP GF		
Flammability class acc. UL94		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Information				

- ## Ordering data

[illegible]

Pitch 3.50 mm					
Poles	1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100	1804700000	1842540000
3	7.00	(0.276)	100	1804710000	1842550000
4	10.50	(0.413)	100	1804720000	1842560000
5	14.00	(0.551)	50	1804730000	1842570000
6	17.50	(0.689)	50	1804740000	1842580000
7	21.00	(0.827)	50	1804750000	1842590000
8	24.50	(0.965)	50	1804760000	1842600000
9	28.00	(1.102)	50	1804770000	1842610000
10	31.50	(1.240)	50	1804780000	1842620000
11	35.00	(1.378)	50	1804790000	1842630000
12	38.50	(1.516)	50	1804800000	1842640000
13	42.00	(1.654)	50	1804810000	1842650000
14	45.50	(1.791)	50	1804820000	1842660000
15	49.00	(1.929)	50	1804830000	1842670000
16	52.50	(2.067)	50	1804840000	1842680000
17	56.00	(2.205)	20	1804850000	1842690000
18	59.50	(2.343)	20	1804860000	1842700000
19	63.00	(2.480)	20	1804870000	1842710000
20	66.50	(2.618)	20	1804890000	1842720000
21	70.00	(2.756)	20	1804900000	1842730000
22	73.50	(2.894)	20	1804910000	1842740000
23	77.00	(3.031)	20	1804920000	1842750000
24	80.50	(3.169)	20	1804930000	1842760000

SL-SMT 3.5/180LF Tape



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



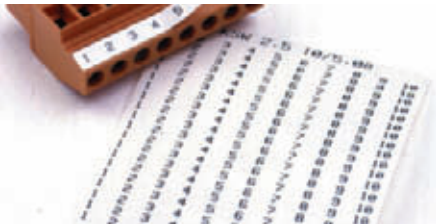
Locking lever

See chapter accessories



Marking strips

See chapter accessories



Ordering data

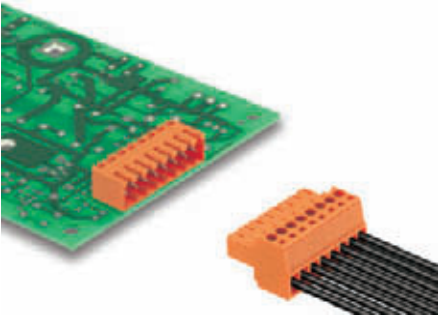
Solder pin length	1.5 mm
Colour	black

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	200	1805210000	
3	7.00	(0.276)	200	1805230000	
4	10.50	(0.413)	200	1805240000	
5	14.00	(0.551)	200	1805250000	
6	17.50	(0.689)	200	1805270000	
7	21.00	(0.827)	200	1805280000	
8	24.50	(0.965)	200	1805290000	
9	28.00	(1.102)	200	1805300000	

Tape width W = 32 mm for 2- and 3-pole version, otherwise 56 mm

Male connectors with solder connection

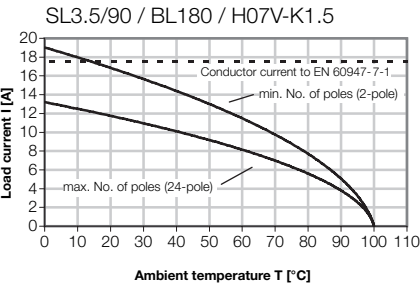
SL 3.5/90



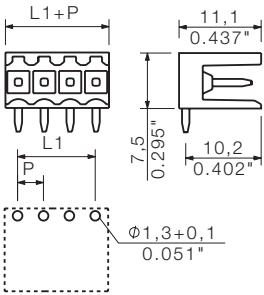
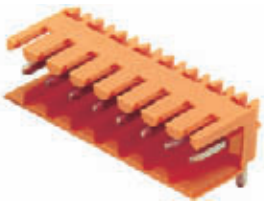
Angled male connector (90° outlet direction) for wave soldering method at 3.5 mm pitch. The male connector is available in an open, closed and flange version. The male connectors provide space for labelling and can be coded. Packaged in cardboard box.

- 250 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

Derating curve



SL 3.5/90

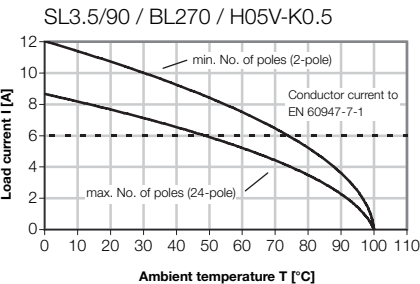
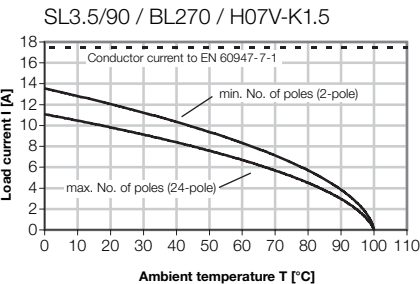
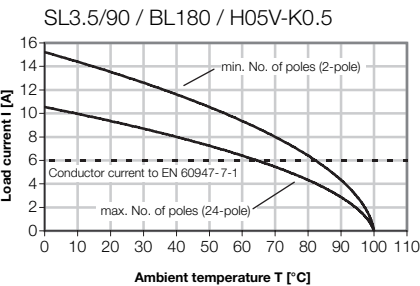


Technical data

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	20°C	40°C	
		17	14.5	
Overvoltage category				
		III	III	II
Pollution severity				
		3	2	2
Rated voltage	V	160	160	250
Rated impulse voltage	kV	2.5	2.5	2.5
UL 1059 rated data - E60693				
		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor				
CSA C22.2 rated data - LR12400 B				
		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	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.
- 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.

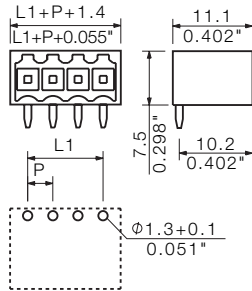
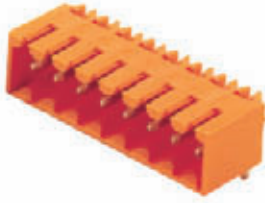


Ordering data

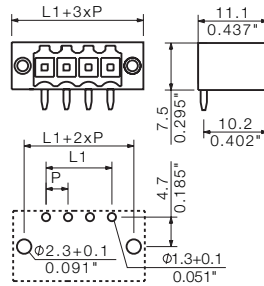
Solder pin length	3.2 mm
Colour	orange

Pitch 3.50 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100		1597210000
3	7.00	(0.276)	100		1597220000
4	10.50	(0.413)	100		1597230000
5	14.00	(0.551)	50		1597240000
6	17.50	(0.689)	50		1597250000
7	21.00	(0.827)	50		1597260000
8	24.50	(0.965)	50		1597270000
9	28.00	(1.102)	50		1597280000
10	31.50	(1.240)	50		1597290000
11	35.00	(1.378)	50		1597300000
12	38.50	(1.516)	50		1597310000
13	42.00	(1.654)	50		1597320000
14	45.50	(1.791)	50		1597330000
15	49.00	(1.929)	50		1597340000
16	52.50	(2.067)	50		1597350000
17	56.00	(2.205)	20		1618990000
18	59.50	(2.343)	20		1619000000
19	63.00	(2.480)	20		1619010000
20	66.50	(2.618)	20		1619020000
21	70.00	(2.756)	20		1619030000
22	73.50	(2.894)	20		1619040000
23	77.00	(3.031)	20		1619050000
24	80.50	(3.169)	20		1619060000

SL 3.5/90G



SL 3.5/90F



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length	3.2 mm
Colour	orange

[illegible]

Pitch 3.50 mm

Poles	1 mm (inch)	Qty.	Order No.	Order No.
2	3.50 (0.138)	100		1605070000
3	7.00 (0.276)	100		1605080000
4	10.50 (0.413)	100		1605090000
5	14.00 (0.551)	50		1605100000
6	17.50 (0.689)	50		1605110000
7	21.00 (0.827)	50		1605120000
8	24.50 (0.965)	50		1605130000
9	28.00 (1.102)	50		1605140000
10	31.50 (1.240)	50		1605150000
11	35.00 (1.378)	50		1605160000
12	38.50 (1.516)	50		1605170000
13	42.00 (1.654)	50		1605180000
14	45.50 (1.791)	50		1605190000
15	49.00 (1.929)	50		1605200000
16	52.50 (2.067)	50		1605210000
17	56.00 (2.205)	20		1619380000
18	59.50 (2.343)	20		1619390000
19	63.00 (2.480)	20		1619400000
20	66.50 (2.618)	20		1619410000
21	70.00 (2.756)	20		1619420000
22	73.50 (2.894)	20		1619430000
23	77.00 (3.031)	20		1619440000
24	80.50 (3.169)	20		1619450000

Ordering data

Solder pin length	3.2 mm
Colour	orange

[illegible]

Pitch 3.50 mm

Poles	L 1 mm (inch)	Qty.	Order No.	Order No.
2	3.50 (0.138)	100		1607040000
3	7.00 (0.276)	100		1607050000
4	10.50 (0.413)	100		1607060000
5	14.00 (0.551)	50		1607070000
6	17.50 (0.689)	50		1607080000
7	21.00 (0.827)	50		1607090000
8	24.50 (0.965)	50		1607100000
9	28.00 (1.102)	50		1607110000
10	31.50 (1.240)	50		1607120000
11	35.00 (1.378)	50		1607130000
12	38.50 (1.516)	50		1607140000
13	42.00 (1.654)	50		1607150000
14	45.50 (1.791)	50		1607160000
15	49.00 (1.929)	50		1607170000
16	52.50 (2.067)	50		1607180000
17	56.00 (2.205)	20		1619770000
18	59.50 (2.343)	20		1619780000
19	63.00 (2.480)	20		1619790000
20	66.50 (2.618)	20		1619800000
21	70.00 (2.756)	20		1619810000
22	73.50 (2.894)	20		1619820000
23	77.00 (3.031)	20		1619830000
24	80.50 (3.169)	20		1619840000



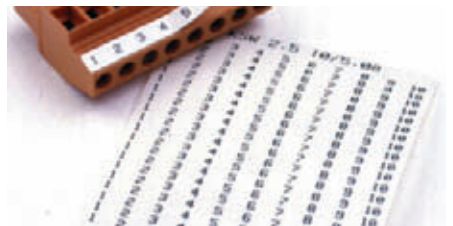
Locking lever

See chapter accessories



Marking strips

See chapter accessories

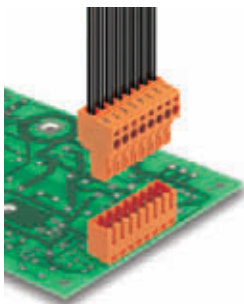


Floodlight indicator

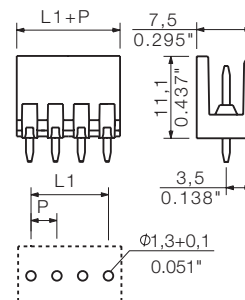
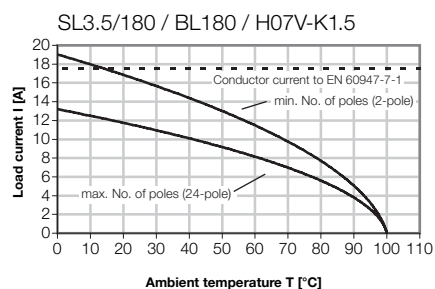
See chapter accessories



Derating curve



- 250 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

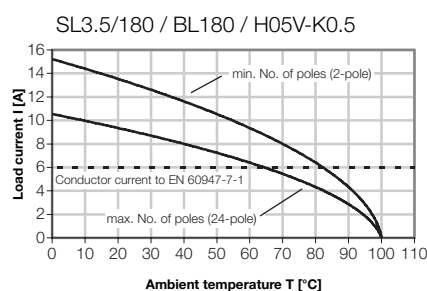


Ordering data

Solder pin length

Solder pin length	3.2 mm
Colour	orange

Colour

[illegible]

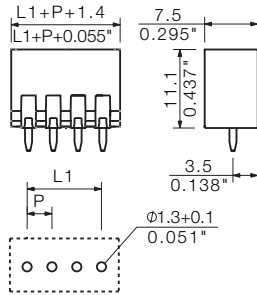
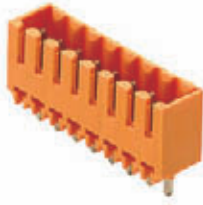
Pitch 3.50 mm

Poles	1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100		1604770000
3	7.00	(0.276)	100		1604780000
4	10.50	(0.413)	100		1604790000
5	14.00	(0.551)	50		1604800000
6	17.50	(0.689)	50		1604810000
7	21.00	(0.827)	50		1604820000
8	24.50	(0.965)	50		1604830000
9	28.00	(1.102)	50		1604840000
10	31.50	(1.240)	50		1604850000
11	35.00	(1.378)	50		1604860000
12	38.50	(1.516)	50		1604870000
13	42.00	(1.654)	50		1604880000
14	45.50	(1.791)	50		1604890000
15	49.00	(1.929)	50		1604900000
16	52.50	(2.067)	50		1604910000
17	56.00	(2.205)	20		1621400000
18	59.50	(2.343)	20		1621410000
19	63.00	(2.480)	20		1621420000
20	66.50	(2.618)	20		1621430000
21	70.00	(2.756)	20		1621440000
22	73.50	(2.894)	20		1621450000
23	77.00	(3.031)	20		1621460000
24	80.50	(3.169)	20		1621470000

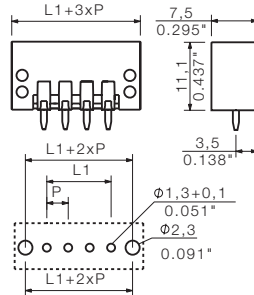
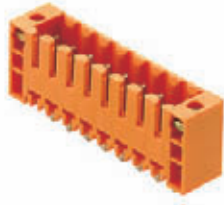
Type of insulating material	PBT
Flammability class acc. UL94	V-0
Contact base material	CuSn
Material of contact surface	tinned

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- 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.

SL 3.5/180G



SL 3.5/180F



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length	3.2 mm
Colour	orange

[illegible]

Pitch 3.50 mm

Poles	1 mm (inch)	Qty.	Order No.	Order No.
2	3.50 (0.138)	100		1604470000
3	7.00 (0.276)	100		1604480000
4	10.50 (0.413)	100		1604490000
5	14.00 (0.551)	50		1604500000
6	17.50 (0.689)	50		1604510000
7	21.00 (0.827)	50		1604520000
8	24.50 (0.965)	50		1604530000
9	28.00 (1.102)	50		1604540000
10	31.50 (1.240)	50		1604550000
11	35.00 (1.378)	50		1604560000
12	38.50 (1.516)	50		1604570000
13	42.00 (1.654)	50		1604580000
14	45.50 (1.791)	50		1604590000
15	49.00 (1.929)	50		1604600000
16	52.50 (2.067)	50		1604610000
17	56.00 (2.205)	20		1621790000
18	59.50 (2.343)	20		1621800000
19	63.00 (2.480)	20		1621810000
20	66.50 (2.618)	20		1621820000
21	70.00 (2.756)	20		1621830000
22	73.50 (2.894)	20		1621840000
23	77.00 (3.031)	20		1621850000
24	80.50 (3.169)	20		1621860000

Ordering data

Solder pin length	3.2 mm
Colour	orange

[illegible]

Pitch 3.50 mm

Poles	1 mm (inch)	Qty.	Order No.	Order No.
2	3.50 (0.138)	100		1607500000
3	7.00 (0.276)	100		1607510000
4	10.50 (0.413)	100		1607520000
5	14.00 (0.551)	50		1607530000
6	17.50 (0.689)	50		1607540000
7	21.00 (0.827)	50		1607550000
8	24.50 (0.965)	50		1607560000
9	28.00 (1.102)	50		1607570000
10	31.50 (1.240)	50		1607580000
11	35.00 (1.378)	50		1607590000
12	38.50 (1.516)	50		1607600000
13	42.00 (1.654)	50		1607610000
14	45.50 (1.791)	50		1607620000
15	49.00 (1.929)	50		1607630000
16	52.50 (2.067)	50		1607640000
17	56.00 (2.205)	20		1622180000
18	59.50 (2.343)	20		1622190000
19	63.00 (2.480)	20		1622200000
20	66.50 (2.618)	20		1622210000
21	70.00 (2.756)	20		1622220000
22	73.50 (2.894)	20		1622230000
23	77.00 (3.031)	20		1622240000
24	80.50 (3.169)	20		1622250000



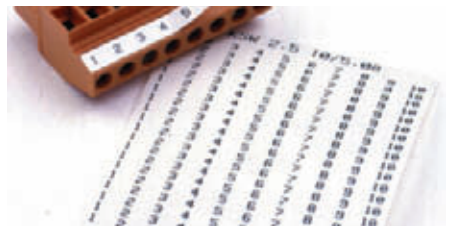
Locking lever

See chapter accessories



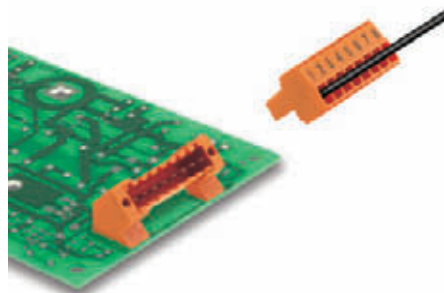
Marking strips

See chapter accessories



Male connectors with solder connection

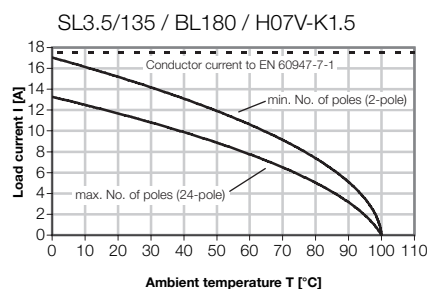
SL 3.5/135



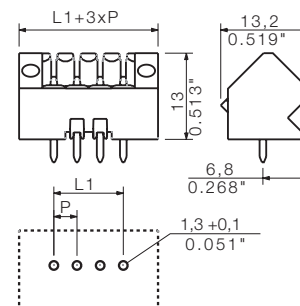
Angled male connector (135° outlet direction) for wave soldering method at 3.5 mm pitch. The male connector is available in a flange version. The male connectors provide space for labelling and can be coded. Packaged in cardboard box.

- 250 V (IEC) / 300 V (UL)
- 15 A (IEC / 10 A (UL)

Derating curve



SL 3.5/135F



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	15	13
---	----	----

Overvoltage category
Pollution severity

Rated voltage	V	160	160	250
Rated impulse voltage	kV	2.5	2.5	2.5

UL 1059 rated data - E60693

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

CSA C22.2 rated data - LR12400 B

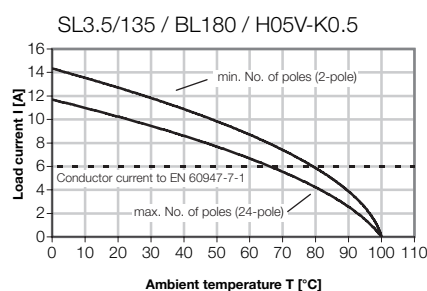
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor			

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

[illegible]

Pitch 3.50 mm

Poles	1 mm (inch)	Qty.	Order No.	Order No.
2	3.50 (0.138)	100		1643330000
3	7.00 (0.276)	100		1643340000
4	10.50 (0.413)	100		1643350000
5	14.00 (0.551)	50		1643360000
6	17.50 (0.689)	50		1643370000
7	21.00 (0.827)	50		1643380000
8	24.50 (0.965)	50		1643390000
9	28.00 (1.102)	50		1643400000
10	31.50 (1.240)	50		1643410000
11	35.00 (1.378)	50		1643420000
12	38.50 (1.516)	50		1643430000
13	42.00 (1.654)	50		1643440000
14	45.50 (1.791)	50		1643450000
15	49.00 (1.929)	50		1643460000
16	52.50 (2.067)	50		1643470000
17	56.00 (2.205)	20		1643480000
18	59.50 (2.343)	20		1643490000
19	63.00 (2.480)	20		1643500000
20	66.50 (2.618)	20		1643510000
21	70.00 (2.756)	20		1643520000
22	73.50 (2.894)	20		1643530000
23	77.00 (3.031)	20		1643540000
24	80.50 (3.169)	20		1643550000

Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



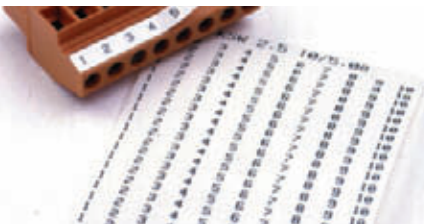
Locking lever

See chapter accessories



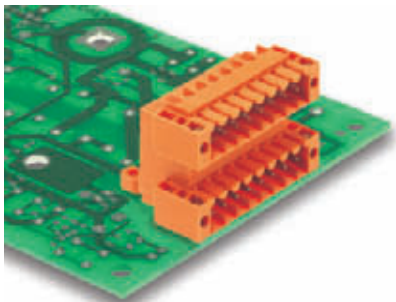
Marking strips

See chapter accessories



Male connectors with solder connection

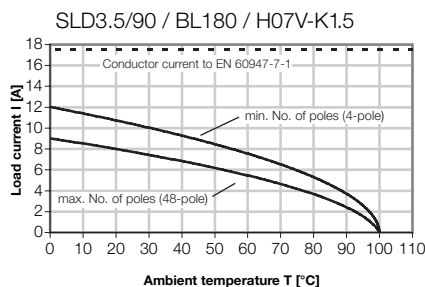
SLD 3.5/90



Double level angled male connector (90° outlet direction) for wave soldering with 3.5 mm pitch. Available in open, closed and flange versions. These male connectors provide space for labelling and can be coded. Supplied in cardboard box.

- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

Derating curve

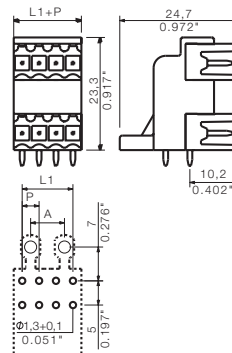
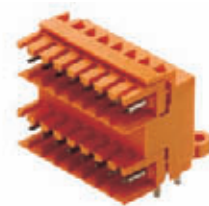


Technical data

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		20°C	40°C	
	A	10.5	9	
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	250
Rated impulse voltage	kV	2.5	2.5	2.5
UL 1059 rated data - E60693		B	C	D
Rated voltage	V	300	300	
Rated current	A	8	8	
AWG conductor				
CSA C22.2 rated data - LR12400 B		B	C	D
Rated voltage	V	300	300	
Rated current	A	8	8	
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
- Rated current related to rated cross-section and min. No. of poles.
- Spacing between rows: see hole layout
- 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.

SLD 3.5/90

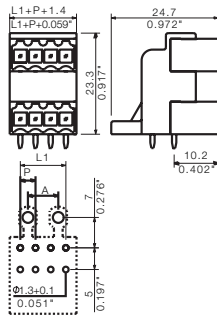
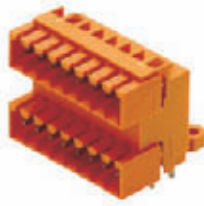


Ordering data

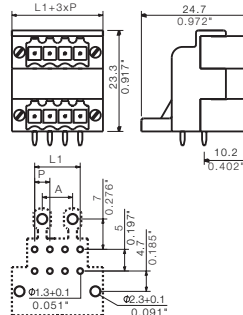
[illegible]

Pitch 3.50 mm				
Poles	1 mm	(inch)	Qty.	Order No.
4	3.50	(0.138)	50	1633350000
6	7.00	(0.276)	50	1633360000
8	10.50	(0.413)	50	1633370000
10	14.00	(0.551)	50	1633380000
12	17.50	(0.689)	50	1633390000
14	21.00	(0.827)	20	1633400000
16	24.50	(0.965)	20	1633410000
18	28.00	(1.102)	20	1633420000
20	31.50	(1.240)	20	1633430000
22	35.00	(1.378)	10	1633440000
24	38.50	(1.516)	10	1633450000
26	42.00	(1.654)	10	1633460000
28	45.50	(1.791)	10	1633470000
30	49.00	(1.929)	10	1633480000
32	52.50	(2.067)	10	1633490000
34	56.00	(2.205)	10	1633500000
36	59.50	(2.343)	10	1633510000
38	63.00	(2.480)	10	1633520000
40	66.50	(2.618)	10	1633530000
42	70.00	(2.756)	10	1633540000
44	73.50	(2.894)	10	1633550000
46	77.00	(3.031)	10	1633560000
48	80.50	(3.169)	10	1633570000

SLD 3.5/90G



SLD 3.5/90F



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length	3.2 mm
Colour	orange

[illegible]

Pitch 3.50 mm

Poles	1 mm (inch)	Qty.	Order No.	Order No.
4	3.50 (0.138)	50		1633580000
6	7.00 (0.276)	50		1633590000
8	10.50 (0.413)	50		1633600000
10	14.00 (0.551)	50		1633610000
12	17.50 (0.689)	50		1633620000
14	21.00 (0.827)	20		1633630000
16	24.50 (0.965)	20		1633640000
18	28.00 (1.102)	20		1633650000
20	31.50 (1.240)	20		1633660000
22	35.00 (1.378)	10		1633670000
24	38.50 (1.516)	10		1633680000
26	42.00 (1.654)	10		1633690000
28	45.50 (1.791)	10		1633700000
30	49.00 (1.929)	10		1633710000
32	52.50 (2.067)	10		1633720000
34	56.00 (2.205)	10		1633730000
36	59.50 (2.343)	10		1633740000
38	63.00 (2.480)	10		1633750000
40	66.50 (2.618)	10		1633760000
42	70.00 (2.756)	10		1633770000
44	73.50 (2.894)	10		1633780000
46	77.00 (3.031)	10		1633790000
48	80.50 (3.169)	10		1633800000

Ordering data

Solder pin length	3.2 mm
Colour	orange

[illegible]

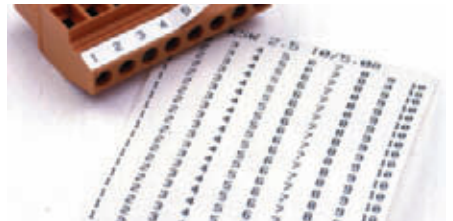
Pitch 3.50 mm

Poles	1 mm (inch)	Qty.	Order No.	Order No.
4	3.50 (0.138)	50		1633810000
6	7.00 (0.276)	50		1633820000
8	10.50 (0.413)	50		1633830000
10	14.00 (0.551)	50		1633840000
12	17.50 (0.689)	50		1633850000
14	21.00 (0.827)	20		1633860000
16	24.50 (0.965)	20		1633870000
18	28.00 (1.102)	20		1633880000
20	31.50 (1.240)	20		1633890000
22	35.00 (1.378)	10		1633900000
24	38.50 (1.516)	10		1633910000
26	42.00 (1.654)	10		1633920000
28	45.50 (1.791)	10		1633930000
30	49.00 (1.929)	10		1633940000
32	52.50 (2.067)	10		1633950000
34	56.00 (2.205)	10		1633960000
36	59.50 (2.343)	10		1633970000
38	63.00 (2.480)	10		1633980000
40	66.50 (2.618)	10		1633990000
42	70.00 (2.756)	10		1634000000
44	73.50 (2.894)	10		1634010000
46	77.00 (3.031)	10		1634020000
48	80.50 (3.169)	10		1634030000

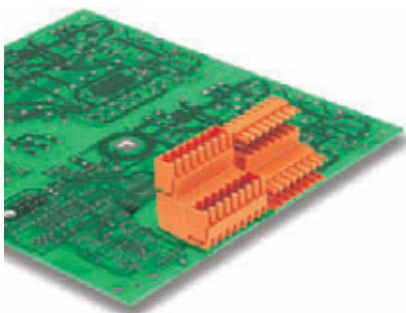


Marking strips

See chapter accessories



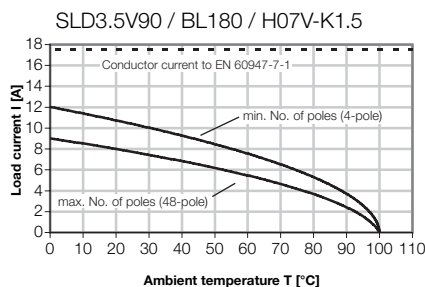
Male connectors with solder connection

SLD 3.5V 90

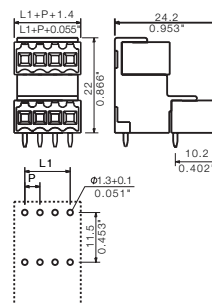
Double level angled, offset male connector (90° outlet direction) for wave soldering with 3.5 mm pitch. Available in closed and flange versions. These male connectors provide space for labelling and can be coded.

- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

Derating curve



SLD 3.5V/90G



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	10.5	9
---	------	---

Overvoltage category
Pollution severity

Rated voltage	V	160	160	250
Rated impulse voltage	kV	2.5	2.5	2.5

UL 1059 rated data - E60693

Rated voltage	V	300	300
Rated current	A	8	8
AWG conductor			

CSA C22.2 rated data - LR12400 B

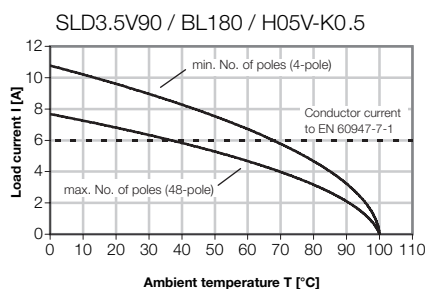
Rated voltage	V	300	300
Rated current	A	8	8
AWG conductor			

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
- Rated current related to rated cross-section and min. No. of poles.
- Spacing between rows: see hole layout
- 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

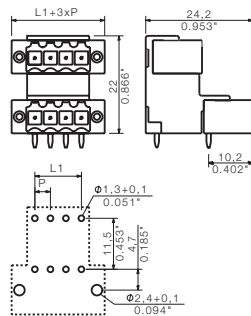
Solder pin length	3.2 mm
Colour	orange

[illegible]

Pitch 3.50 mm

Poles:1 mm	(inch)	Qty.	Order No.	Order No.
4	3.50 (0.138)	50		1642240000
6	7.00 (0.276)	50		1890600000
8	10.50 (0.413)	50		1642250000
10	14.00 (0.551)	50		1866770000
12	17.50 (0.689)	50		1642260000
14	21.00 (0.827)	20		1890610000
16	24.50 (0.965)	20		1642270000
18	28.00 (1.102)	20		1890620000
20	31.50 (1.240)	20		1642280000
22	35.00 (1.378)	10		1669650000
24	38.50 (1.516)	10		1642290000
26	42.00 (1.654)	10		1890630000
28	45.50 (1.791)	10		1642300000
30	49.00 (1.929)	10		1890640000
32	52.50 (2.067)	10		1642310000
34	56.00 (2.205)	10		1890650000
36	59.50 (2.343)	10		1642320000
38	63.00 (2.480)	10		1890660000
40	66.50 (2.618)	10		1642330000
42	70.00 (2.756)	10		1890670000
44	73.50 (2.894)	10		1642340000
46	77.00 (3.031)	10		1890680000
48	80.50 (3.169)	10		1642350000

SLD 3.5V/90F



Ordering data

Solder pin length	3.2 mm
Colour	orange

[illegible]

Pitch 3.50 mm

Poles	L 1 mm (inch)	Qty.	Order No.	Order No.
4	3.50 (0.138)	50		1642370000
6	7.00 (0.276)	50		1890790000
8	10.50 (0.413)	50		1642380000
10	14.00 (0.551)	50		1890800000
12	17.50 (0.689)	50		1642390000
14	21.00 (0.827)	20		1890810000
16	24.50 (0.965)	20		1642400000
18	28.00 (1.102)	20		1890820000
20	31.50 (1.240)	20		1642410000
22	35.00 (1.378)	10		1669660000
24	38.50 (1.516)	10		1642420000
24	42.00 (1.654)	10		1890830000
28	45.50 (1.791)	10		1642430000
30	49.00 (1.929)	10		1890840000
32	52.50 (2.067)	10		1642440000
34	56.00 (2.205)	10		1890850000
36	59.50 (2.343)	10		1642450000
38	63.00 (2.480)	10		1890860000
40	66.50 (2.618)	10		1642460000
42	70.00 (2.756)	10		1890870000
44	73.50 (2.894)	10		1642470000
46	77.00 (3.031)	10		1890880000
48	80.50 (3.169)	10		1642480000

Accessories

Possible colors

Additional colours on request



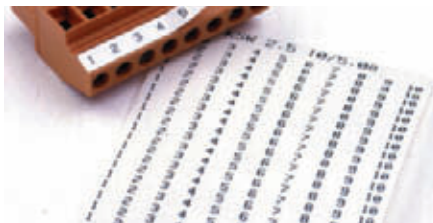
Coding

See chapter accessories



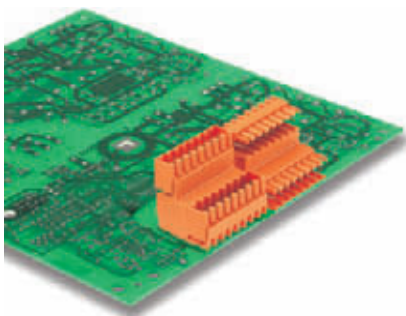
Marking strips

See chapter accessories



Male connectors with solder connection

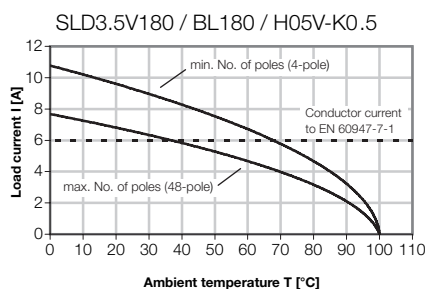
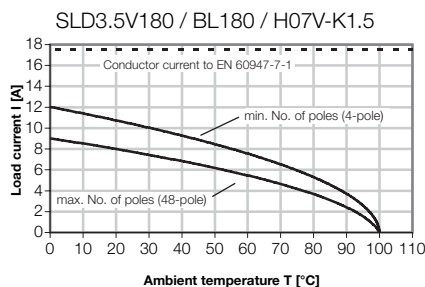
SLD 3.5V 180



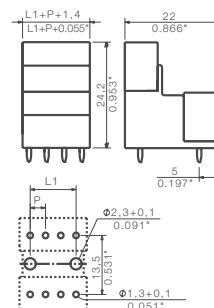
Double level offset male connector (180° outlet direction) for wave soldering with 3.5 mm pitch. Available in closed and flange versions. These male connectors provide space for labelling and can be coded.

- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

Derating curve



SLD 3.5V/180G



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	10.5	9
---	------	---

Overvoltage category
Pollution severity

Rated voltage	V	160	160	250
Rated impulse voltage	kV	2.5	2.5	2.5

UL 1059 rated data - E60693

Rated voltage	V	300	300
Rated current	A	8	8
AWG conductor			

CSA C22.2 rated data - LR12400 B

Rated voltage	V	300	300
Rated current	A	8	8
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
- Rated current related to rated cross-section and min. No. of poles.
- Spacing between rows: see hole layout
- 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

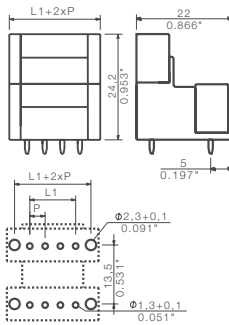
Solder pin length	3.2 mm
Colour	orange

[illegible]

Pitch 3.50 mm

Poles	1 mm (inch)	Qty.	Order No.	Order No.
4	3.50 (0.138)	50		1641110000
6	7.00 (0.276)	50		1891190000
8	10.50 (0.413)	50		1641120000
10	14.00 (0.551)	50		1891200000
12	17.50 (0.689)	50		1641130000
14	21.00 (0.827)	20		1891210000
16	24.50 (0.965)	20		1641140000
18	28.00 (1.102)	20		1891220000
20	31.50 (1.240)	20		1641150000
22	35.00 (1.378)	20		1891230000
24	38.50 (1.516)	10		1641160000
26	42.00 (1.654)	10		1891240000
28	45.50 (1.791)	10		1641170000
30	49.00 (1.929)	10		1891250000
32	52.50 (2.067)	10		1641180000
34	56.00 (2.205)	10		1891260000
36	59.50 (2.343)	10		1641190000
38	63.00 (2.480)	10		1891270000
40	66.50 (2.618)	10		1641200000
42	70.00 (2.756)	10		1891280000
44	73.50 (2.894)	10		1641210000
46	77.00 (3.031)	10		1891290000
48	80.50 (3.169)	10		1641220000

SLD 3.5V/180F



Ordering data

Solder pin length	3.2 mm
Colour	orange

[illegible]

Pitch 3.50 mm

Poles	L 1 mm (inch)	Qty.	Order No.	Order No.
4	3.50 (0.138)	50		1641240000
6	7.00 (0.276)	50		1891060000
8	10.50 (0.413)	50		1641250000
10	14.00 (0.551)	50		1891070000
12	17.50 (0.689)	50		1641260000
14	21.00 (0.827)	20		1891080000
16	24.50 (0.965)	20		1641270000
18	28.00 (1.102)	20		1891090000
20	31.50 (1.240)	20		1641280000
22	35.00 (1.378)	20		1891100000
24	38.50 (1.516)	10		1641290000
26	42.00 (1.654)	10		1891110000
28	45.50 (1.791)	10		1641300000
30	49.00 (1.929)	10		1891120000
32	52.50 (2.067)	10		1641310000
34	56.00 (2.205)	10		1891130000
36	59.50 (2.343)	10		1641320000
38	63.00 (2.480)	10		1891140000
40	66.50 (2.618)	10		1641330000
42	70.00 (2.756)	10		1891150000
44	73.50 (2.894)	10		1641340000
46	77.00 (3.031)	10		1891160000
48	80.50 (3.169)	10		1641350000

Accessories

Possible colors

Additional colours on request



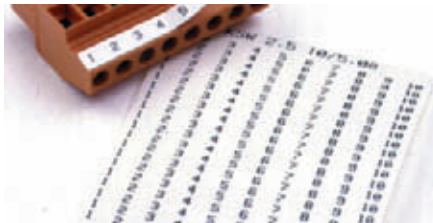
Coding

See chapter accessories



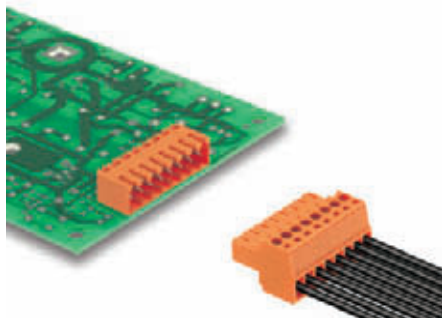
Marking strips

See chapter accessories



Socket connectors with clamping yoke connection

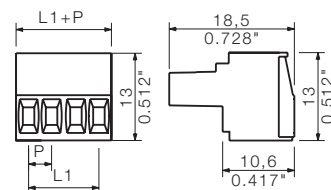
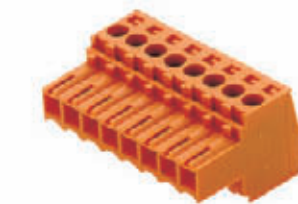
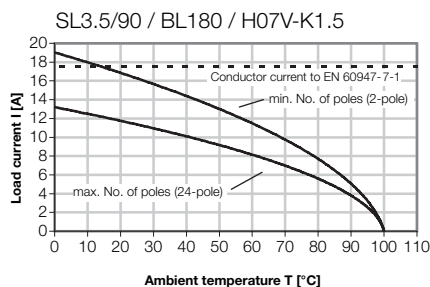
BL 3.5/180



Socket connectors with clamping yoke 180° screw connection for conductor connection with direction at 3.5 mm pitch. The socket connectors are also available with flange. They provide space for labelling and can be coded.

- 0.20 - 1.5 mm² (IEC) / 28 - 14 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

Derating curve



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...1.5
Solid H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1.5
Ferrule with plastic collar	mm ²	0.2...1.5
Stripping length	mm	6
Screwdriver blade	mm	0.4 x 2.5
according to norm		DIN 5264
Tightening torque range	Nm	0.2...0.25

**Rated current
at ambient temperature**

A	17	14.5
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Overvoltage category
Pollution severity

Rated voltage	V	160	160	250
Rated impulse voltage	kV	2.5	2.5	2.5

UL 1059 rated data - E60693

Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		28-14	

CSA C22.2 rated data - LR12400 B

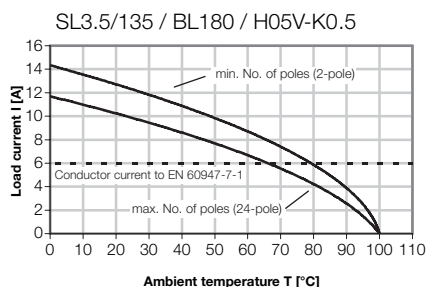
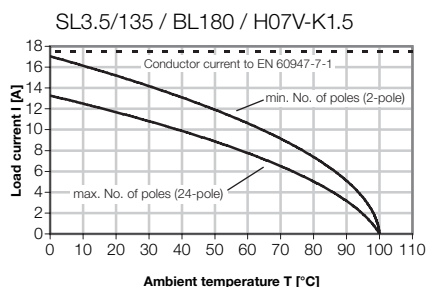
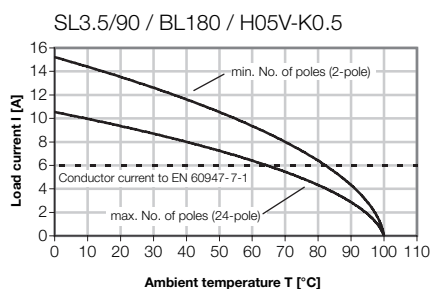
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		28-14	

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
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Max. O.D. of conductor: 2,9 mm
- 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

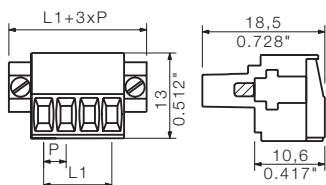
Colour	orange	black
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[illegible]

Pitch 3.50 mm

Poles	L mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100	1597360000	1615670000
3	7.00	(0.276)	100	1597370000	1615680000
4	10.50	(0.413)	100	1597380000	1615690000
5	14.00	(0.551)	50	1597390000	1614090000
6	17.50	(0.689)	50	1597400000	1610180000
7	21.00	(0.827)	50	1597410000	1610190000
8	24.50	(0.965)	50	1597420000	1615700000
9	28.00	(1.102)	50	1597430000	1615710000
10	31.50	(1.240)	50	1597440000	1610200000
11	35.00	(1.378)	50	1597450000	1615720000
12	38.50	(1.516)	50	1597460000	1615730000
13	42.00	(1.654)	50	1597470000	1615740000
14	45.50	(1.791)	50	1597480000	1615750000
15	49.00	(1.929)	50	1597490000	1615760000
16	52.50	(2.067)	50	1597500000	1615770000
17	56.00	(2.205)	20	1620290000	1620370000
18	59.50	(2.343)	20	1620300000	1620380000
19	63.00	(2.480)	20	1620310000	1620390000
20	66.50	(2.618)	20	1620320000	1620400000
21	70.00	(2.756)	20	1620330000	1620410000
22	73.50	(2.894)	20	1620340000	1620420000
23	77.00	(3.031)	20	1620350000	1620430000
24	80.50	(3.169)	20	1620360000	1620440000

BL 3.5/180F



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length

Colour	orange	black
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[illegible]

Pitch 3.50 mm

Poles	L 1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100	1606640000	1615780000
3	7.00	(0.276)	100	1606650000	1615790000
4	10.50	(0.413)	100	1606660000	1615800000
5	14.00	(0.551)	50	1606670000	1615810000
6	17.50	(0.689)	50	1606680000	1615820000
7	21.00	(0.827)	50	1606690000	1615830000
8	24.50	(0.965)	50	1606700000	1615840000
9	28.00	(1.102)	50	1606710000	1615850000
10	31.50	(1.240)	50	1606720000	1615860000
11	35.00	(1.378)	50	1606730000	1615870000
12	38.50	(1.516)	50	1606740000	1615880000
13	42.00	(1.654)	50	1606750000	1615890000
14	45.50	(1.791)	50	1606760000	1615900000
15	49.00	(1.929)	50	1606770000	1615910000
16	52.50	(2.067)	50	1606780000	1615920000
17	56.00	(2.205)	20	1620760000	1620840000
18	59.50	(2.343)	20	1620770000	1620850000
19	63.00	(2.480)	20	1620780000	1620860000
20	66.50	(2.618)	20	1620790000	1620870000
21	70.00	(2.756)	20	1620800000	1620880000
22	73.50	(2.894)	20	1620810000	1620890000
23	77.00	(3.031)	20	1620820000	1620900000
24	80.50	(3.169)	20	1620830000	1620910000



Hood

See chapter accessories



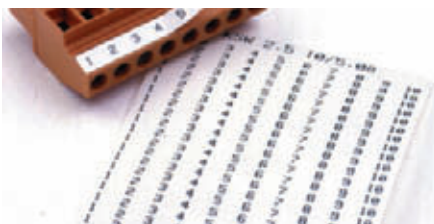
Cable grip

See chapter accessories

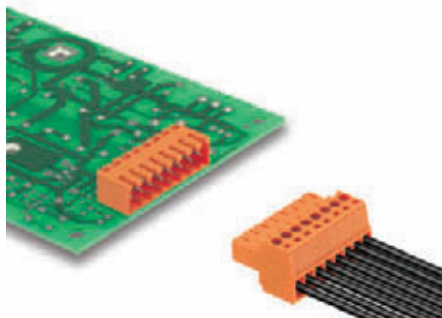


Marking strips

See chapter accessories



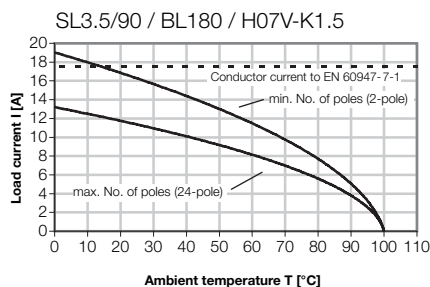
BL 3.5/180



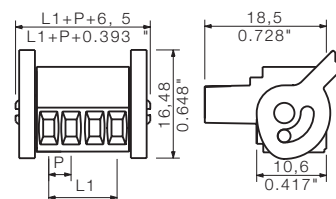
Socket connectors with clamping yoke 180° screw connection for conductor connection at 3.5 mm pitch. The release lever enables easy separation of the connection. The socket connectors provide space for labelling and can be coded. Packaged in cardboard box.

- 0.20 - 1.5 mm² (IEC) / 28 - 14 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

Derating curve



BL 3.5/180LH



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...1.5
Solid H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1.5
Ferrule with plastic collar	mm ²	0.2...1.5
Stripping length	mm	6
Screwdriver blade	mm	0.4 x 2.5
according to norm		DIN 5264
Tightening torque range	Nm	0.2...0.25

**Rated current
at ambient temperature**

A	17	14.5
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Overvoltage category
Pollution severity

Rated voltage	V	160	160	250
Rated impulse voltage	kV	2.5	2.5	2.5

UL 1059 rated data - E60693

Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		28-14	

CSA C22.2 rated data - LR12400 B

Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		28-14	

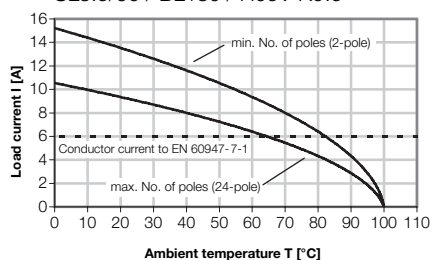
Material data

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

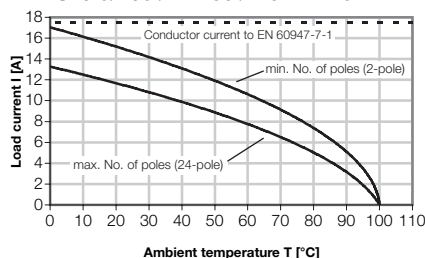
Information

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Max. O.D. of conductor: 2.9 mm
- 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.

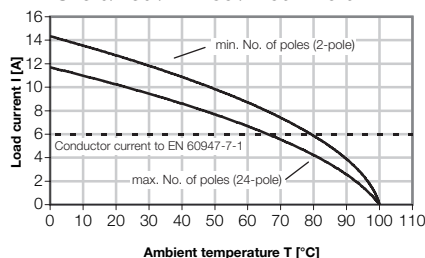
SL3.5/90 / BL180 / H05V-K0.5



SL3.5/135 / BL180 / H07V-K1.5



SL3.5/135 / BL180 / H05V-K0.5



Ordering data

Solder pin length

Colour	orange	black
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[illegible]

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100	1687650000	1687880000
3	7.00	(0.276)	100	1687766000	1687890000
4	10.50	(0.413)	100	1687676000	1687900000
5	14.00	(0.551)	50	1687680000	1687910000
6	17.50	(0.689)	50	1687690000	1687920000
7	21.00	(0.827)	50	1687700000	1687930000
8	24.50	(0.965)	50	1687710000	1687940000
9	28.00	(1.102)	50	1687720000	1687950000
10	31.50	(1.240)	50	1687730000	1687960000
11	35.00	(1.378)	50	1687740000	1687970000
12	38.50	(1.516)	50	1687750000	1687980000
13	42.00	(1.654)	50	1687760000	1687990000
14	45.50	(1.791)	50	1687770000	1688000000
15	49.00	(1.929)	50	1687780000	1688010000
16	52.50	(2.067)	50	1687790000	1688020000
17	56.00	(2.205)	20	1687800000	1688030000
18	59.50	(2.343)	20	1687810000	1688040000
19	63.00	(2.480)	20	1687820000	1688050000
20	66.50	(2.618)	20	1687830000	1688060000
21	70.00	(2.756)	20	1687840000	1688070000
22	73.50	(2.894)	20	1687850000	1688080000
23	77.00	(3.031)	20	1687860000	1688090000
24	80.50	(3.169)	20	1687870000	1688100000

Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



Hood

See chapter accessories



Cable grip

See chapter accessories

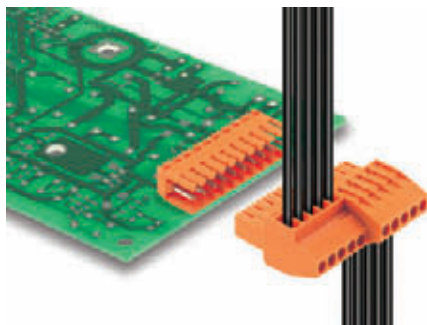


Marking strips

See chapter accessories



Derating curve



- 0.20 - 1.5 mm² (IEC) / 28 - 14 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 12 A (IEC) / 8 A (UL)

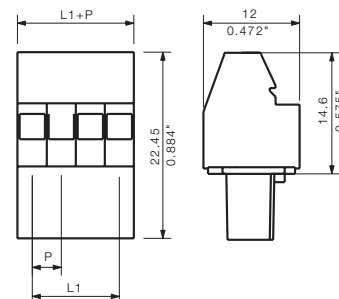
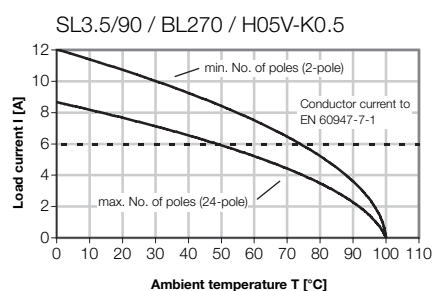
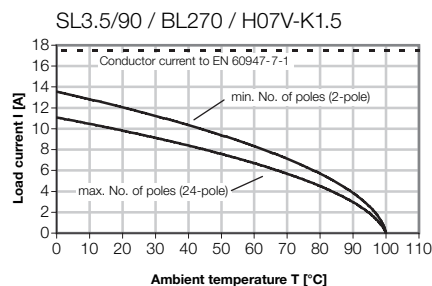
Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...1.5		
Solid H05(07) V-U	mm ²	0.2...1.5		
Stranded H07 V-R	mm ²			
Flexible H05(07) V-K	mm ²	0.2...1.5		
Flexible with ferrule	mm ²	0.2...1.5		
Ferrule with plastic collar	mm ²	0.2...1.5		
Stripping length	mm	6		
Screwdriver blade	mm	0.4 x 2.5		
according to norm		DIN 5264		
Tightening torque range	Nm	0.2...0.25		
Rated current		20°C	40°C	
at ambient temperature	A	12	10	
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	250
Rated impulse voltage	kV	2.5	2.5	2.5
UL 1059 rated data - E60693		B	C	D
Rated voltage	V	300	300	
Rated current	A	8	8	
AWG conductor		28-14		
CSA C22.2 rated data - LR12400 B		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor		28-14		
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
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Max. O.D. of conductor: 2.9 mm
- 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.

Derating curve



Solder pin length

Colour	orange	black
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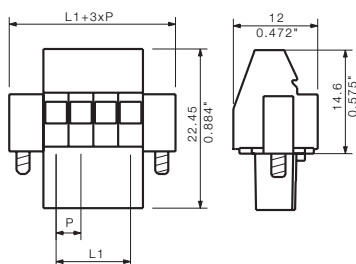
Colour	orange	black
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[illegible]

Pitch 3.50 mm

Poles	L mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100	1638550000	1638780000
3	7.00	(0.276)	100	1638560000	1638790000
4	10.50	(0.413)	100	1638570000	1638800000
5	14.00	(0.551)	50	1638580000	1638810000
6	17.50	(0.689)	50	1638590000	1638820000
7	21.00	(0.827)	50	1638600000	1638830000
8	24.50	(0.965)	50	1638610000	1638840000
9	28.00	(1.102)	50	1638620000	1638850000
10	31.50	(1.240)	50	1638630000	1638860000
11	35.00	(1.378)	50	1638640000	1638870000
12	38.50	(1.516)	50	1638650000	1638880000
13	42.00	(1.654)	50	1638660000	1638890000
14	45.50	(1.791)	50	1638670000	1638900000
15	49.00	(1.929)	50	1638680000	1638910000
16	52.50	(2.067)	50	1638690000	1638920000
17	56.00	(2.205)	20	1638700000	1638930000
18	59.50	(2.343)	20	1638710000	1638940000
19	63.00	(2.480)	20	1638720000	1638950000
20	66.50	(2.618)	20	1638730000	1638960000
21	70.00	(2.756)	20	1638740000	1638970000
22	73.50	(2.894)	20	1638750000	1638980000
23	77.00	(3.031)	20	1638760000	1638990000
24	80.50	(3.169)	20	1638770000	1639000000

BL 3.5/90F



Accessories

Possible colors

Additional colours on request



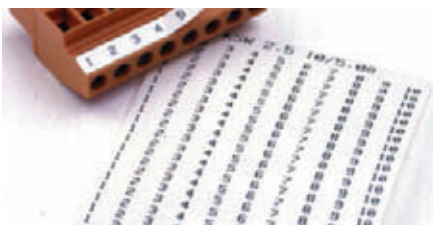
Coding

See chapter accessories



Marking strips

See chapter accessories



Ordering data

Solder pin length

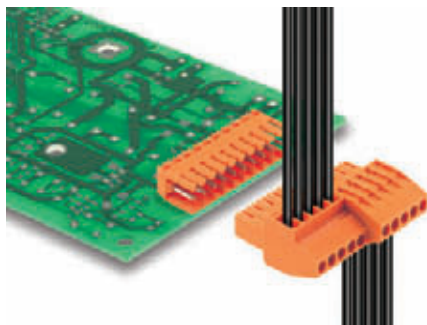
Colour	orange	black
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[illegible]

Pitch 3.50 mm

Poles\1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50 (0.138)	100	1639010000	1639240000
3	7.00 (0.276)	100	1639020000	1639250000
4	10.50 (0.413)	100	1639030000	1639260000
5	14.00 (0.551)	50	1639040000	1639270000
6	17.50 (0.689)	50	1639050000	1639280000
7	21.00 (0.827)	50	1639060000	1639290000
8	24.50 (0.965)	50	1639070000	1639300000
9	28.00 (1.102)	50	1639080000	1639310000
10	31.50 (1.240)	50	1639090000	1639320000
11	35.00 (1.378)	50	1639100000	1639330000
12	38.50 (1.516)	50	1639110000	1639340000
13	42.00 (1.654)	50	1639120000	1639350000
14	45.50 (1.791)	50	1639130000	1639360000
15	49.00 (1.929)	50	1639140000	1639370000
16	52.50 (2.067)	50	1639150000	1639380000
17	56.00 (2.205)	20	1639160000	1639390000
18	59.50 (2.343)	20	1639170000	1639400000
19	63.00 (2.480)	20	1639180000	1639410000
20	66.50 (2.618)	20	1639190000	1639420000
21	70.00 (2.756)	20	1639200000	1639430000
22	73.50 (2.894)	20	1639210000	1639440000
23	77.00 (3.031)	20	1639220000	1639450000
24	80.50 (3.169)	20	1639230000	1639460000

Derating curve



- 0.20 - 1.5 mm² (IEC) / 28 - 14 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 12 A (IEC) / 8 A (UL)

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...1.5
Solid H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1.5
Ferrule with plastic collar	mm ²	0.2...1.5
Stripping length	mm	6
Screwdriver blade	mm	0.4 x 2.5
according to norm		DIN 5264
Tightening torque range	Nm	0.2...0.25

Rated current

at ambient temperature		20°C	40°C
A		12	10

Overvoltage category

Pollution severity		3	2	2
Rated voltage	V	160	160	250

Rated impulse volta

UL 1059 rated data - E60693		B	C	D
Rated voltage	V	300		300

Rated current

AWG conductor	28-14		
CSA C22.2 rated data - LR12400 B	B	C	D

Rated voltage	V
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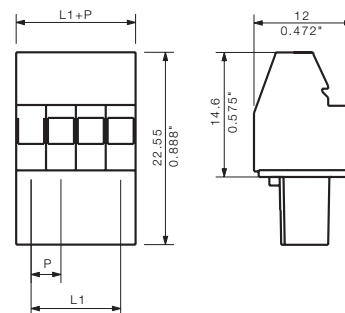
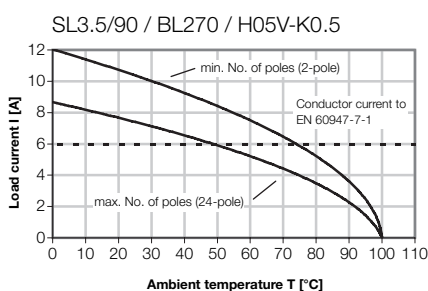
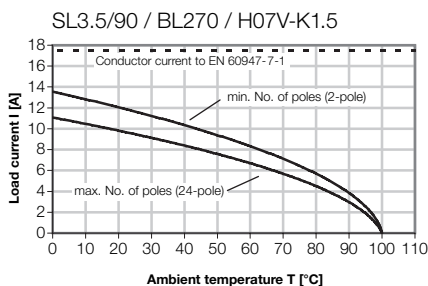
Rated current	A	10	10
AWG conductor		28-14	

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
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Max. O.D. of conductor: 2,9 mm
- 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.



Solder pin length

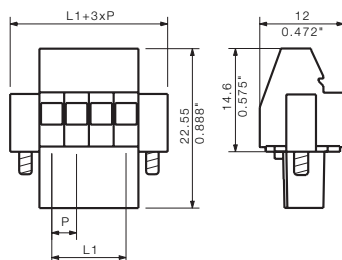
Colour	orange	black
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[illegible]

Pitch 3.50 mm

Poles:1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50 (0.138)	100	1639470000	1639700000
3	7.00 (0.276)	100	1639480000	1639710000
4	10.50 (0.413)	100	1639490000	1639720000
5	14.00 (0.551)	50	1639500000	1639730000
6	17.50 (0.689)	50	1639510000	1639740000
7	21.00 (0.827)	50	1639520000	1639750000
8	24.50 (0.965)	50	1639530000	1639760000
9	28.00 (1.102)	50	1639540000	1639770000
10	31.50 (1.240)	50	1639550000	1639780000
11	35.00 (1.378)	50	1639560000	1639790000
12	38.50 (1.516)	50	1639570000	1639800000
13	42.00 (1.654)	50	1639580000	1639810000
14	45.50 (1.791)	50	1639590000	1639820000
15	49.00 (1.929)	50	1639600000	1639830000
16	52.50 (2.067)	50	1639610000	1639840000
17	56.00 (2.205)	20	1639620000	1639850000
18	59.50 (2.343)	20	1639630000	1639860000
19	63.00 (2.480)	20	1639640000	1639870000
20	66.50 (2.618)	20	1639650000	1639880000
21	70.00 (2.756)	20	1639660000	1639890000
22	73.50 (2.894)	20	1639670000	1639900000
23	77.00 (3.031)	20	1639680000	1639910000
24	80.50 (3.169)	20	1639690000	1639920000

BL 3.5/270F



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

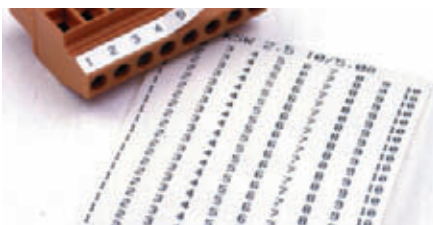
Solder pin length

Colour	orange	black
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Marking strips

See chapter accessories

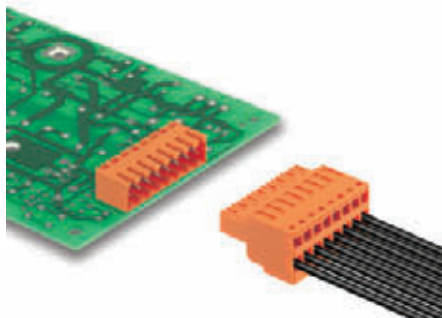


Pitch 3.50 mm

Poles	1.1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100	1639930000	1640160000
3	7.00	(0.276)	100	1639940000	1640170000
4	10.50	(0.413)	100	1639950000	1640180000
5	14.00	(0.551)	50	1639960000	1640190000
6	17.50	(0.689)	50	1639970000	1640200000
7	21.00	(0.827)	50	1639980000	1640210000
8	24.50	(0.965)	50	1639990000	1640220000
9	28.00	(1.102)	50	1640000000	1640230000
10	31.50	(1.240)	50	1640010000	1640240000
11	35.00	(1.378)	50	1640020000	1640250000
12	38.50	(1.516)	50	1640030000	1640260000
13	42.00	(1.654)	50	1640040000	1640270000
14	45.50	(1.791)	50	1640050000	1640280000
15	49.00	(1.929)	50	1640060000	1640290000
16	52.50	(2.067)	50	1640070000	1640300000
17	56.00	(2.205)	20	1640080000	1640310000
18	59.50	(2.343)	20	1640090000	1640320000
19	63.00	(2.480)	20	1640100000	1640330000
20	66.50	(2.618)	20	1640110000	1640340000
21	70.00	(2.756)	20	1640120000	1640350000
22	73.50	(2.894)	20	1640130000	1640360000
23	77.00	(3.031)	20	1640140000	1640370000
24	80.50	(3.169)	20	1640150000	1640380000

Socket connectors with tension clamp connection

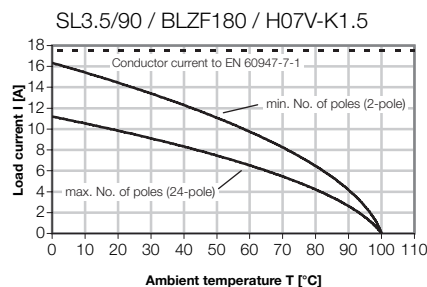
BLZF 3.5/180



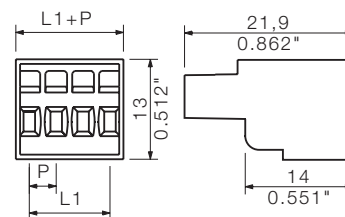
Socket connectors for conductor connection in tension clamp system with 180° outlet direction and 3.5 mm pitch. The socket connectors are also available with flange. They provide space for labelling and can be coded.

- 0.20 - 1.5 mm² (IEC) / 26 - 14 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 14.5 A (IEC) / 10 A (UL)

Derating curve



BLZF 3.5/180



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1.5
Ferrule with plastic collar	mm ²	0.2...1
Stripping length	mm	10
Screwdriver blade	mm	0.4 x 2.5
according to norm		DIN 5264-A
Tightening torque range	Nm	

**Rated current
at ambient temperature**

A	14.5	12
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Overvoltage category
Pollution severity

Rated voltage	V	160	160	250
Rated impulse voltage	kV	2.5	2.5	2.5

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

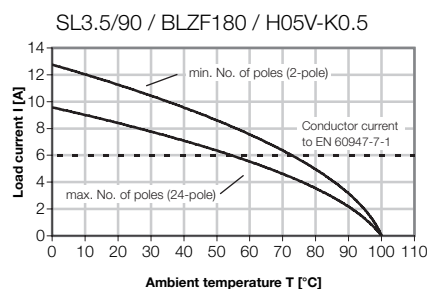
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		26-14	

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
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Max. O.D. of conductor: 2.9 mm
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- Crimp form A for wire end ferrules with PZ1.5 or PZ 6/5 crimping tool are recommended for the largest cable sizes.
- 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

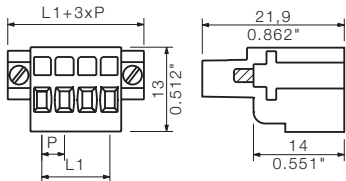
Colour	orange	black
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[illegible]

Pitch 3.50 mm

Poles	L 1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100	1690190000	1690420000
3	7.00	(0.276)	100	1690200000	1690430000
4	10.50	(0.413)	100	1690210000	1690440000
5	14.00	(0.551)	50	1690220000	1690450000
6	17.50	(0.689)	50	1690230000	1690460000
7	21.00	(0.827)	50	1690240000	1690470000
8	24.50	(0.965)	50	1690250000	1690480000
9	28.00	(1.102)	50	1690260000	1690490000
10	31.50	(1.240)	50	1690270000	1690500000
11	35.00	(1.378)	50	1690280000	1690510000
12	38.50	(1.516)	50	1690290000	1690520000
13	42.00	(1.654)	50	1690300000	1690530000
14	45.50	(1.791)	50	1690310000	1690540000
15	49.00	(1.929)	50	1690320000	1690550000
16	52.50	(2.067)	50	1690330000	1690560000
17	56.00	(2.205)	20	1690340000	1690570000
18	59.50	(2.343)	20	1690350000	1690580000
19	63.00	(2.480)	20	1690360000	1690590000
20	66.50	(2.618)	20	1690370000	1690600000
21	70.00	(2.756)	20	1690380000	1690610000
22	73.50	(2.894)	20	1690390000	1690620000
23	77.00	(3.031)	20	1690400000	1690630000
24	80.50	(3.169)	20	1690410000	1690640000

BLZF 3.5/180F



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



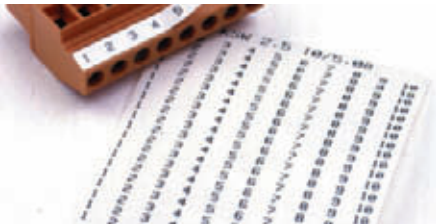
Cable grip

See chapter accessories



Marking strips

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9009030000

Ordering data

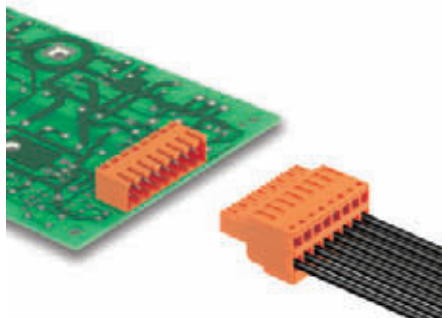
Solder pin length

Colour orange black

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100	1690880000	1691110000
3	7.00	(0.276)	100	1690890000	1691120000
4	10.50	(0.413)	100	1690900000	1691130000
5	14.00	(0.551)	50	1690910000	1691140000
6	17.50	(0.689)	50	1690920000	1691150000
7	21.00	(0.827)	50	1690930000	1691160000
8	24.50	(0.965)	50	1690940000	1691170000
9	28.00	(1.102)	50	1690950000	1691180000
10	31.50	(1.240)	50	1690960000	1691190000
11	35.00	(1.378)	50	1690970000	1691200000
12	38.50	(1.516)	50	1690980000	1691210000
13	42.00	(1.654)	50	1690990000	1691220000
14	45.50	(1.791)	50	1691000000	1691230000
15	49.00	(1.929)	50	1691010000	1691240000
16	52.50	(2.067)	50	1691020000	1691250000
17	56.00	(2.205)	20	1691030000	1691260000
18	59.50	(2.343)	20	1691040000	1691270000
19	63.00	(2.480)	20	1691050000	1691280000
20	66.50	(2.618)	20	1691060000	1691290000
21	70.00	(2.756)	20	1691070000	1691300000
22	73.50	(2.894)	20	1691080000	1691310000
23	77.00	(3.031)	20	1691090000	1691320000
24	80.50	(3.169)	20	1691100000	1691330000

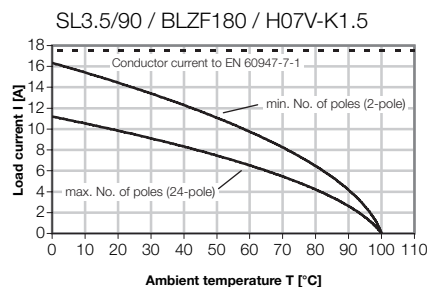
BLZF 3.5/180



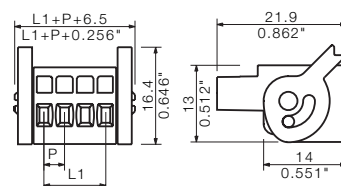
Socket connectors for conductor connection in tension clamp system with 180° outlet direction and 3.5 mm pitch. The release lever enables easy separation of the connection. The socket connectors provide space for labelling and can be coded. Packaged in cardboard box.

- 0.20 - 1.5 mm² (IEC) / 26 - 14 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 14,5 A (IEC) / 10 A (UL)

Derating curve



BLZF 3.5/180LH



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1.5
Ferrule with plastic collar	mm ²	0.2...1
Stripping length	mm	10
Screwdriver blade	mm	0.4 x 2.5
according to norm		DIN 5264-A
Tightening torque range	Nm	

**Rated current
at ambient temperature**

A	14.5	12
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Overvoltage category
Pollution severity

Rated voltage	V	160	160	250
Rated impulse voltage	kV	2.5	2.5	2.5

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	10	10
AWG conductor		26-14	

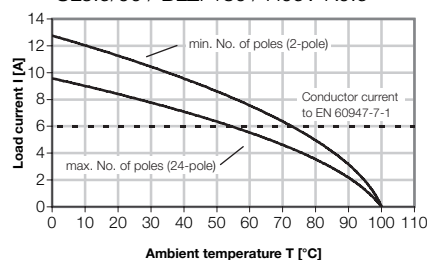
Material data

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
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Max. O.D. of conductor: 2.9 mm
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- Crimp form A for wire end ferrules with PZ1.5 or PZ 6/5 crimping tool are recommended for the largest cable sizes.
- 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.

SL3.5/90 / BLZF180 / H05V-K0.5



Ordering data

Solder pin length

Colour	orange	black
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[illegible]

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100	1691570000	1691800000
3	7.00	(0.276)	100	1691580000	1691810000
4	10.50	(0.413)	100	1691590000	1691820000
5	14.00	(0.551)	50	1691600000	1691830000
6	17.50	(0.689)	50	1691610000	1691840000
7	21.00	(0.827)	50	1691620000	1691850000
8	24.50	(0.965)	50	1691630000	1691860000
9	28.00	(1.102)	50	1691640000	1691870000
10	31.50	(1.240)	50	1691650000	1691880000
11	35.00	(1.378)	50	1691660000	1691890000
12	38.50	(1.516)	50	1691670000	1691900000
13	42.00	(1.654)	50	1691680000	1691910000
14	45.50	(1.791)	50	1691690000	1691920000
15	49.00	(1.929)	50	1691700000	1691930000
16	52.50	(2.067)	50	1691710000	1691940000
17	56.00	(2.205)	20	1691720000	1691950000
18	59.50	(2.343)	20	1691730000	1691960000
19	63.00	(2.480)	20	1691740000	1691970000
20	66.50	(2.618)	20	1691750000	1691980000
21	70.00	(2.756)	20	1691760000	1691990000
22	73.50	(2.894)	20	1691770000	1692000000
23	77.00	(3.031)	20	1691780000	1692010000
24	80.50	(3.169)	20	1691790000	1692020000

Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



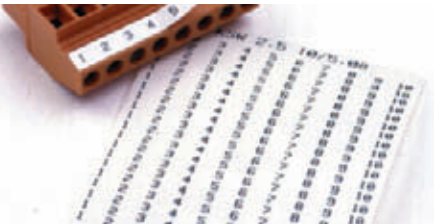
Cable grip

See chapter accessories



Marking strips

See chapter accessories

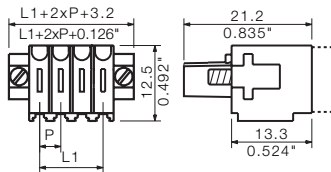


Screwdriver

See chapter accessories
Order No. 9009030000



BLIDC 3.5F



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



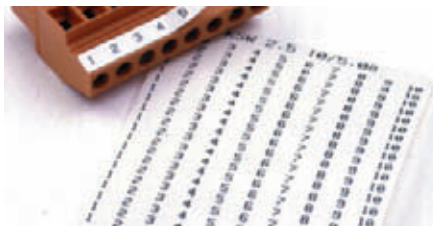
Mounting block

See chapter accessories



Marking strips

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008370000



Ordering data

Solder pin length

Colour	orange	black
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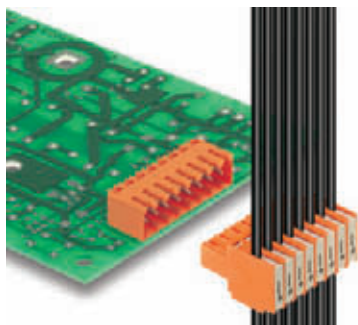
[illegible]

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100	1751090000	1771090000
3	7.00	(0.276)	100	1751100000	1771100000
4	10.50	(0.413)	100	1751110000	1771110000
5	14.00	(0.551)	50	1751120000	1771120000
6	17.50	(0.689)	50	1751130000	1771130000
7	21.00	(0.827)	50	1751140000	1771140000
8	24.50	(0.965)	50	1751150000	1771150000
9	28.00	(1.102)	50	1751160000	1771160000
10	31.50	(1.240)	50	1751170000	1771170000
11	35.00	(1.378)	50	1751180000	1771180000
12	38.50	(1.516)	50	1751190000	1771190000
13	42.00	(1.654)	50	1751200000	1771200000
14	45.50	(1.791)	50	1751210000	1771210000
15	49.00	(1.929)	50	1751220000	1771220000
16	52.50	(2.067)	50	1751230000	1771230000

Socket connectors with IDC

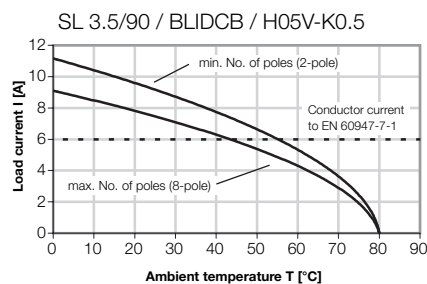
BLIDCB 3.5



Socket connectors for fast wiring with IDC system for conductor connection at 3.5 mm pitch in bus applications. The socket connectors are also available with flange. They provide space for labelling and can be coded.

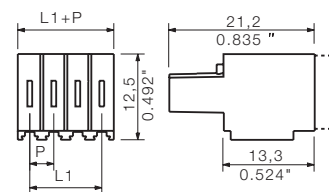
- 0.35 - 0.5 mm² (IEC) / 22 - 20 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 6 A (IEC) / 7 A (UL)

Derating curve



BLIDCB 3.5

Bus version



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.32...0.5
Solid H05(07) V-U	mm ²	0.2...0.5
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	0.2...0.5
Flexible with ferrule	mm ²	
Ferrule with plastic collar	mm ²	
Stripping length	mm	
Screwdriver blade	mm	0.4 x 2.5
according to norm		DIN 5264-A
Tightening torque range	Nm	

**Rated current
at ambient temperature**

at ambient temperature	20°C	40°C
A	6	6

Overvoltage category
Pollution severity

Pollution severity		3	2	2
Rated voltage	V	160	160	250
Rated impulse voltage	kV	2.5	2.5	2.5

UL 1059 rated data - E60693

Rated voltage	V	300	300
Rated current	A	7	7
AWG conductor		22-20	

CSA C22.2 rated data - LR12400 B

Rated voltage	V	300	300
Rated current	A	7	7
AWG conductor		22-20	

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
- Rated current related to rated cross-section and min. No. of poles.
- for IDC contact 0.5: conductor to DIN EN 60352 pt 4
- AWG conductor: solid, 7 or 19 strands only
- Temperature range -20 to +80°C
- BLIDC 3.5 and BLIDCB 3.5 conductors solid/flexible to DIN 47726
- 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	black
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[illegible]

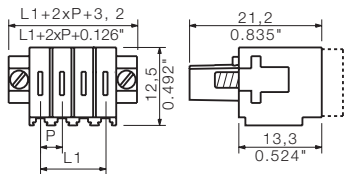
Pitch 3.50 mm

Poles	L mm (inch)	Qty.	Order No.	Order No.
2	3.50 (0.138)	10	1751380000	1770670000
3	7.00 (0.276)	10	1751390000	1770680000
4	10.50 (0.413)	10	1751400000	1770690000
5	14.00 (0.551)	10	1751410000	1770700000
6	17.50 (0.689)	10	1751420000	1770710000
7	21.00 (0.827)	10	1751430000	1770720000
8	24.50 (0.965)	10	1751440000	1770730000

[illegible]

BLIDCB 3.5F

Bus version



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



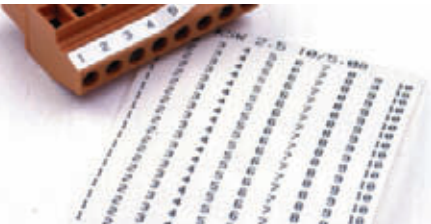
Mounting block

See chapter accessories



Marking strips

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008370000



Ordering data

Solder pin length

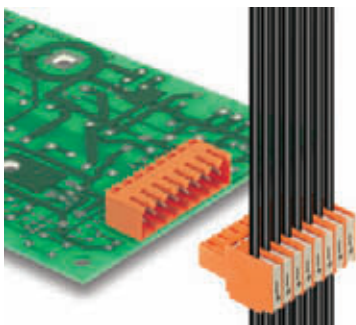
Colour orange black

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	10	1751450000	1770740000
3	7.00	(0.276)	10	1751460000	1770750000
4	10.50	(0.413)	10	1751470000	1770760000
5	14.00	(0.551)	10	1751480000	1770770000
6	17.50	(0.689)	10	1751490000	1770780000
7	21.00	(0.827)	10	1751500000	1770790000
8	24.50	(0.965)	10	1751510000	1770800000

Socket connectors with IDC

BLIDCB 3.5



Socket connectors for fast wiring with IDC system for conductor connection at 3.5 mm pitch in bus applications. The block slider ensure all conductors make contact simultaneously. The socket connectors are also available with flange. They provide space for labelling and can be coded.

- 0.35 - 0.5 mm² (IEC) / 22 - 20 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 6 A (IEC) / 7 A (UL)

Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.32...0.5
Solid H05(07) V-U	mm ²	0.2...0.5
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	0.2...0.5
Flexible with ferrule	mm ²	
Ferrule with plastic collar	mm ²	
Stripping length	mm	
Screwdriver blade	mm	0.4 x 2.5
according to norm		DIN 5264-A
Tightening torque range	Nm	

**Rated current
at ambient temperature**

Rated current at ambient temperature	20°C	40°C
A	6	6

Overvoltage category
Pollution severity

Pollution severity		3	2	2
Rated voltage	V	160	160	250
Rated impulse voltage	kV	2.5	2.5	2.5

UL 1059 rated data - E60693

Rated voltage	V	300	300
Rated current	A	7	7
AWG conductor		22-20	

CSA C22.2 rated data - LR12400 B

Rated voltage	V	300	300
Rated current	A	7	7
AWG conductor		22-20	

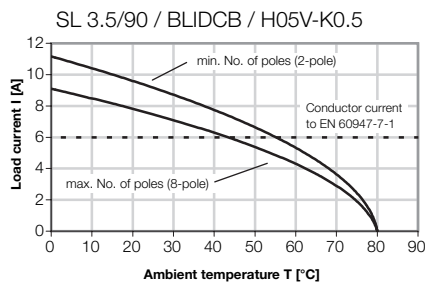
Material data

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

Information

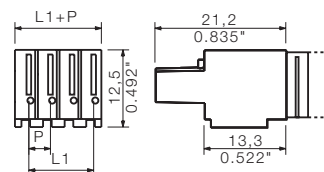
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- for IDC contact 0.5: conductor to DIN EN 60352 pt 4
- AWG conductor: solid, 7 or 19 strands only
- Temperature range -20 to +80°C
- BLIDC 3.5 and BLIDCB 3.5 conductors solid/flexible to DIN 47726
- 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.

Derating curve



BLIDCB 3.5 BS

with block slider



Ordering data

Solder pin length

Colour	orange	black
--------	--------	-------

[illegible]

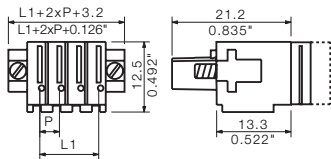
Pitch 3.50 mm

PosesL1	mm (inch)	Qty.	Order No.	Order No.
2	3.50 (0.138)	100	1836220000	1836290000
3	7.00 (0.276)	100	1836230000	1836300000
4	10.50 (0.413)	100	1836240000	1836310000
5	14.00 (0.551)	50	1836250000	1836320000
6	17.50 (0.689)	50	1836260000	1836330000
7	21.00 (0.827)	50	1836270000	1836340000
8	24.50 (0.965)	50	1836280000	1836350000

[illegible]

BLIDCB 3.5F BS

with block slider



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



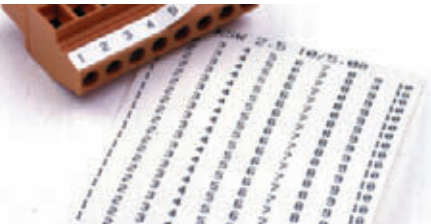
Mounting block

See chapter accessories



Marking strips

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008370000



Ordering data

Solder pin length

Colour

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100	1836360000	1836440000
3	7.00	(0.276)	100	1836380000	1836450000
4	10.50	(0.413)	100	1836390000	1836460000
5	14.00	(0.551)	50	1836400000	1836480000
6	17.50	(0.689)	50	1836410000	1836500000
7	21.00	(0.827)	50	1836420000	1836510000
8	24.50	(0.965)	50	1836430000	1836520000

Derating curve



Technical drawing of the 16-pin connector showing top and side views with dimensions:

- Top View Dimensions:**
 - Overall width: 42 (1.654")
 - Overall height: 18.4 (0.724")
- Side View Dimensions:**
 - Pin height: 27 (1.063")
 - Pin width: 19.3 (0.760")

- ## Ordering data

Solder pin length

Colour	black
--------	-------

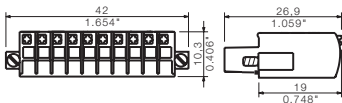
[illegible]

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
30	49.00	(1.929)	20		1779920000

-

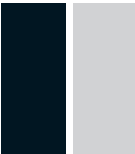
BL-I/O 3.5/10F



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



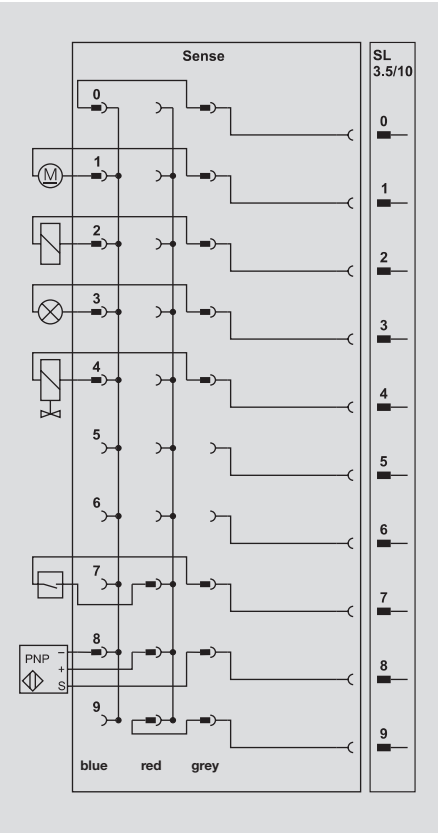
BL I/O 3.5

BL I/O 3.5 30-pole

- The plug-in connection level for decentralised I/O electronics
- Directly from the control or industrial PC etc. to the sensor/actuator level
- Significantly less space plus a reduced design workload and less subsequent cabling work

Wiring diagram for 30-pole BL I/O with 10-pole SL 3.5

- Direct connection options for sensors and actuators, including voltage supply
- Can be used for internal or external supply options



Ordering data

Solder pin length

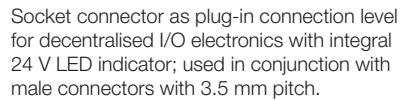
Colour

black

Pitch 3.50 mm

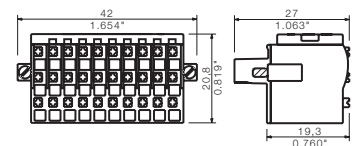
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
10	14.00	(0.551)	20		1779880000

Derating curve



- # E

BL-I/O 3.5/30F LED



Ordering data

Solder pin length

Colour	black
--------	-------

Colour

black

UL 1059 rated data - E60693	B	C	D
---	---	---	---

Rated voltage	V	50	50
---------------	---	----	----

CSA C22.2 rated data - LR12400 B	B	C	D
----------------------------------	---	---	---

Rated current	A	5	5
---------------	---	---	---

AWG conductor 22-16

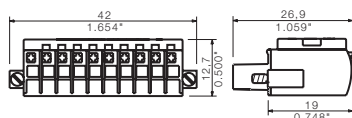
Type of insulating material	PBT
-----------------------------	-----

Information

- Additional colours on request

- Pitch 3.50 mm

BL-I/O 3.5/10F LED



Ordering data

Solder pin length

Colour

black

Pitch 3.50 mm

Poles	L1 mm (inch)	Qty.	Order No.	Order No.
10	14.00 (0.551)	20		1789090000

Accessories

Possible colors

Additional colours on request



Coding

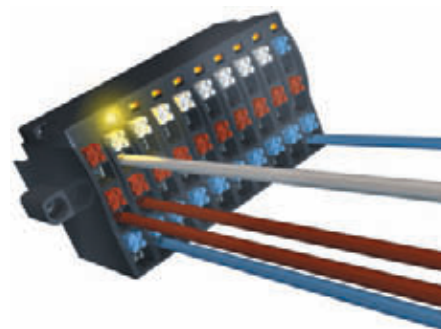
See chapter accessories



BL I/O 3.5 LED

BL I/O 3.5 30-pole

- The plug-in connection level for decentralised I/O electronics
- Directly from the control or industrial PC etc. to the sensor/actuator level
- Significantly less space plus a reduced design workload and less subsequent wiring work

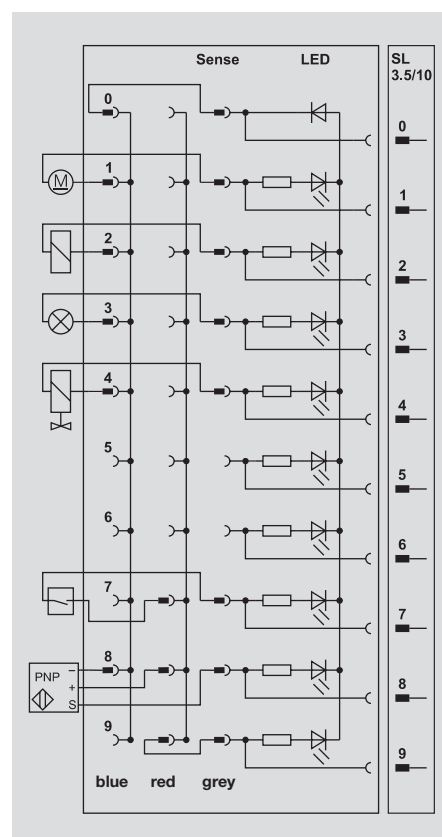


Integral LED version

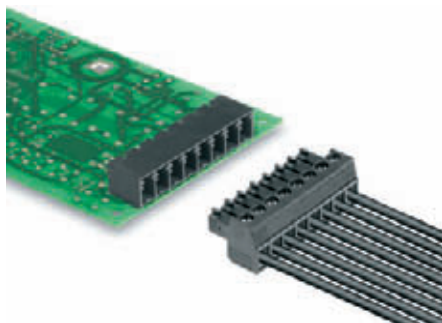
- Optimum availability for all BL I/Os
- Testing of the sensor/actuator wiring prior to releasing the control into operation
- Small functional indications required in the housing

Wiring diagram for 30-pole BL I/O with 10-pole SL 3.5

- Direct connection options for sensors and actuators, including voltage supply
- Can be used for internal or external supply options



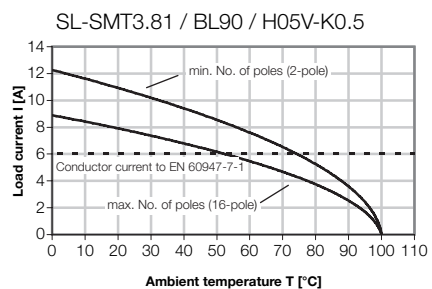
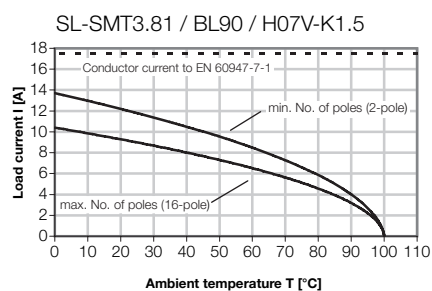
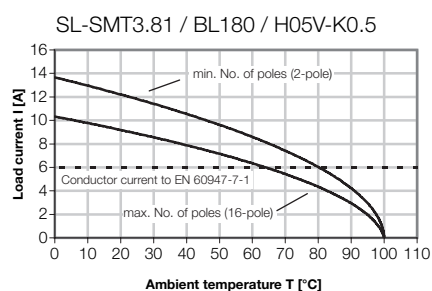
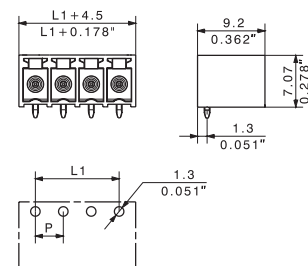
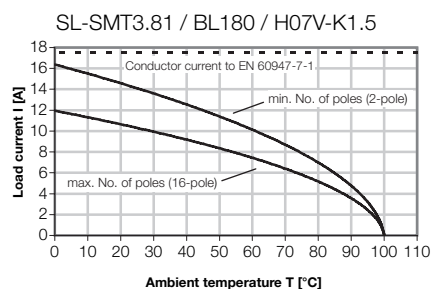
Derating curve



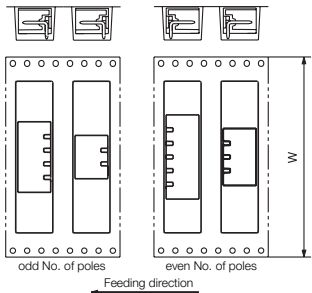
E

- 320 V (IEC) / 300 V (UL)
- 14.5 A (IEC) / 8 A (UL)

SL-SMT 3.81/90G Box

[illegible]

SL-SMT 3.81/90G Tape



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

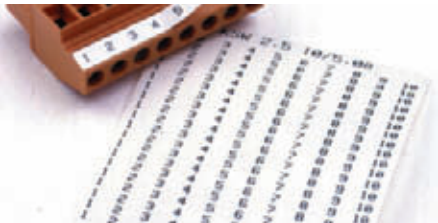
Solder pin length		1.5 mm	3.2 mm
Colour		black	black
Pitch 3.81 mm			
Poles	L1 mm (inch)	Qty.	Order No.
2	3.81 (0.150)	350	1863140000 1862810000
3	7.62 (0.300)	350	1863150000 1862840000
4	11.43 (0.450)	350	1863160000 1862860000
5	15.24 (0.600)	350	1863170000 1862870000
6	19.05 (0.750)	350	1863180000 1862880000
7	22.86 (0.900)	350	1863190000 1862890000
8	26.67 (1.050)	350	1863200000 1862900000
9	30.48 (1.200)	350	1863210000 1862910000
10	34.29 (1.350)	350	1863220000 1862930000

Tape width W = 32 mm for 2- to 5-pole version, otherwise 56 mm



Marking strips

See chapter accessories



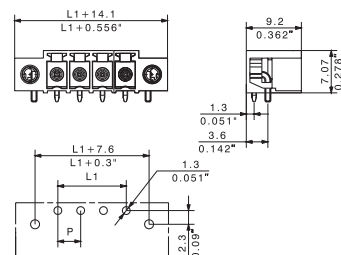
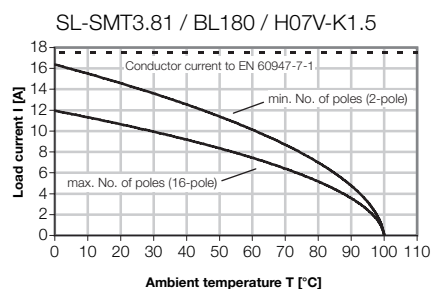
Male connectors with THR solder connection

SL-SMT 3.81/90LF

The high-temperature-resistant, angled male connector has been optimised for automatic assembly without pick&place pad and can be supplied packaged in antistatic straps. The solder flange version provides for additional fixity to the PCB without screws. The Weidmüller male connector with 3.81 mm pitch has a closed contact cavity and provides space for printing and coding.

- 320 V (IEC) / 300 V (UL)
- 14.5 A (IEC) / 8 A (UL)

Derating curve



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	14.5	12
---	------	----

Overvoltage category
Pollution severity

Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5

UL 1059 rated data - E60693

Rated voltage	V	300	300
Rated current	A	8	8
AWG conductor			

CSA C22.2 rated data - LR12400 B

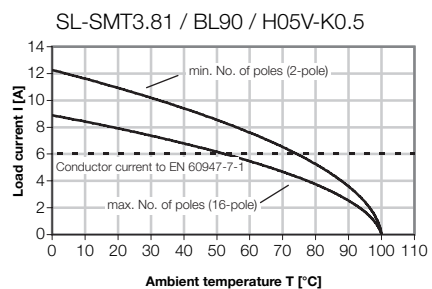
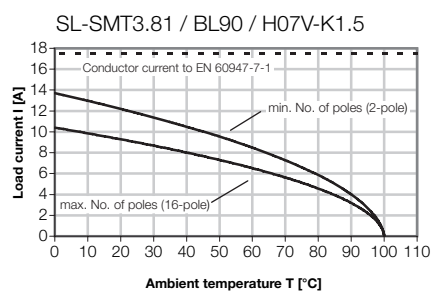
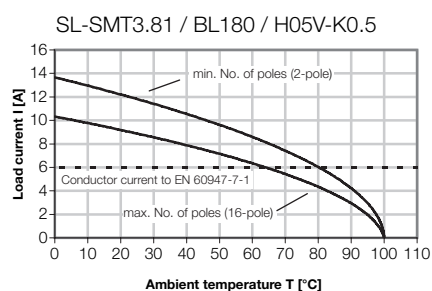
Rated voltage	V	300	300
Rated current	A	5	5
AWG conductor			

Material data

Type of insulating material	LCP GF
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.
- 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.



SL-SMT 3.81/90LF Box



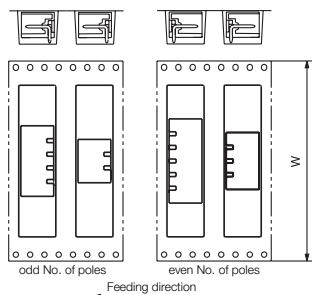
Ordering data

Solder pin length	1.5 mm	3.2 mm
Colour	black	black

Pitch 3.81 mm

Poles	1 mm	(inch)	Qty.	Order No.	Order No.
2	3.81	(0.150)	50	1863670000	1862560000
3	7.62	(0.300)	50	1862580000	1863680000
4	11.43	(0.450)	50	1862590000	1863690000
5	15.24	(0.600)	50	1862600000	1863700000
6	19.05	(0.750)	50	1862610000	1863710000
7	22.86	(0.900)	50	1862620000	1863740000
8	26.67	(1.050)	50	1862630000	1863760000
9	30.48	(1.200)	50	1862640000	1863770000
10	34.29	(1.350)	50	1862650000	1863790000
11	38.10	(1.500)	50	1862660000	1863810000
12	41.91	(1.650)	50	1862670000	1863820000
13	45.72	(1.800)	50	1862680000	1863840000
14	49.53	(1.950)	50	1862690000	1863850000
15	53.34	(2.100)	50	1862700000	1863860000
16	57.12	(2.250)	50	1862710000	1863870000

SL-SMT 3.81/90LF Tape



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length	1.5 mm	3.2 mm
Colour	black	black

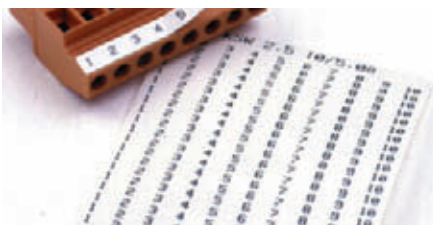
Pitch 3.81 mm

Poles: 0.51 mm				
Poles: 1 mm	(inch)	Qty.	Order No.	Order No.
2	3.81 (0.150)	350	1862720000	1863890000
3	7.62 (0.300)	350	1862730000	1863970000
4	11.43 (0.450)	350	1862770000	1863980000
5	15.24 (0.600)	350	1862790000	1863990000
6	19.05 (0.750)	350	1862820000	1864000000
7	22.86 (0.900)	350	1862830000	1864010000
8	26.67 (1.050)	350	1862850000	1864020000



Marking strips

See chapter accessories



Tape width $W = 32$ mm for 2-pole version, otherwise 56 mm

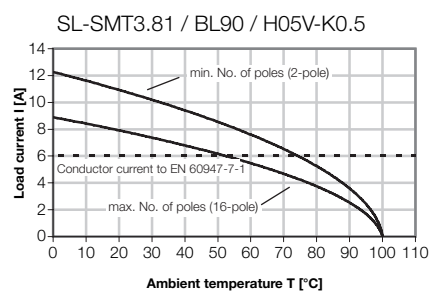
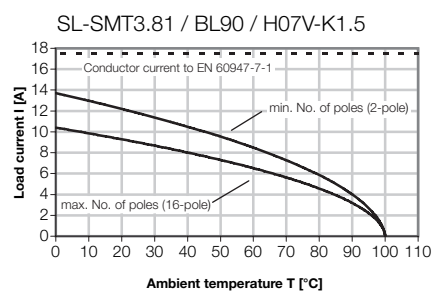
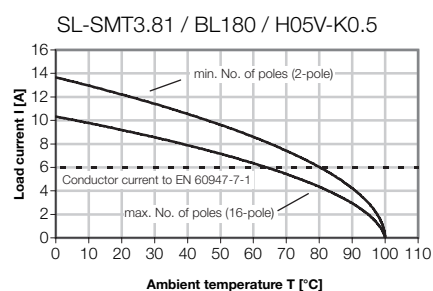
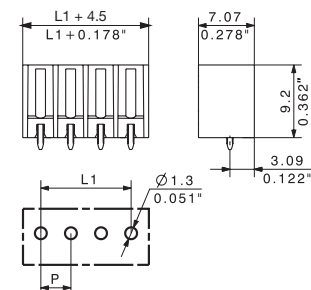
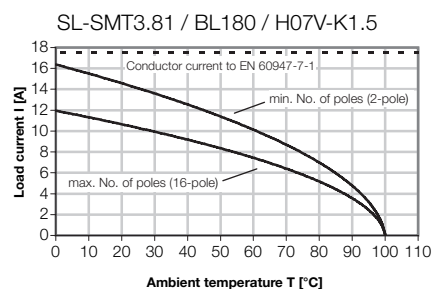
Derating curve



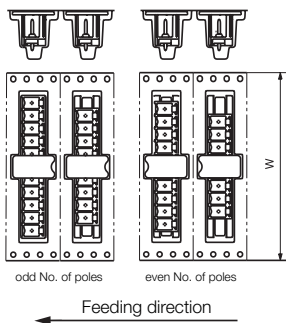
E

- 320 V (IEC) / 300 V (UL)
- 14.5 A (IEC) / 8 A (UL)

SL-SMT 3.81/180G Box

[illegible]

SL-SMT 3.81/180G Tape



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories

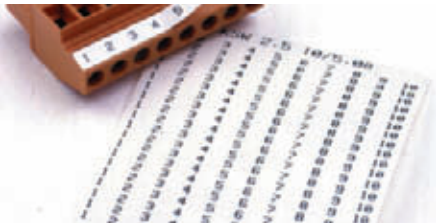


Ordering data

Solder pin length		1.5 mm	3.2 mm
Colour		black	black
Pitch 3.81 mm			
Poles	L1 mm (inch)	Qty.	Order No.
2	3.81 (0.150)	250	1864050000 1863450000
3	7.62 (0.300)	250	1864060000 1863470000
4	11.43 (0.450)	250	1864290000 1863490000
5	15.24 (0.600)	250	1864300000 1863540000
6	19.05 (0.750)	250	1864310000 1863560000
7	22.86 (0.900)	250	1864320000 1863570000
8	26.67 (1.050)	250	1864330000 1863590000
9	30.48 (1.200)	250	1864340000 1863630000
10	34.29 (1.350)	250	1864350000 1863660000

Marking strips

See chapter accessories



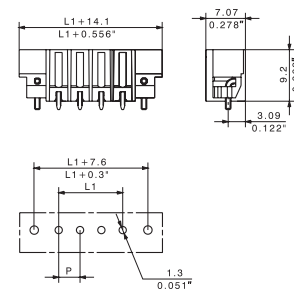
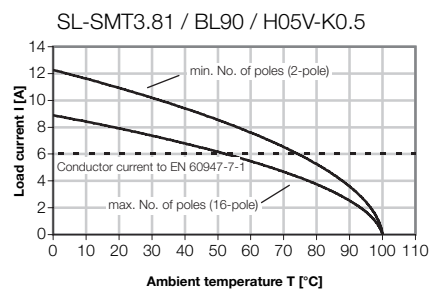
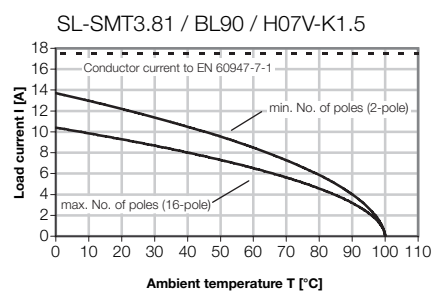
Tape width W = 32 mm for 2- to 5-pole version, otherwise 56 mm

E

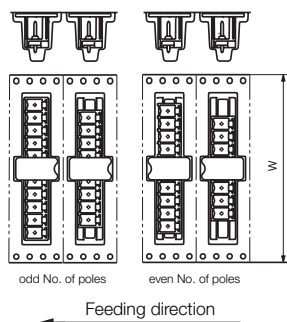
- ## Technical data

Rated data to IEC 60664-1 / IEC 61984

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- 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.

[illegible]

SL-SMT 3.81/180LF Tape



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length	1.5 mm	3.2 mm
Colour	black	black

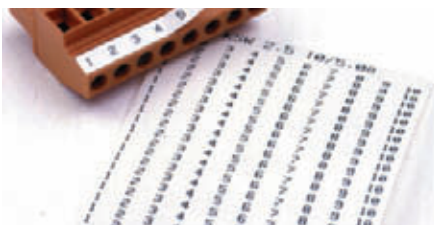
Pitch 3.81 mm

Poles: 0.51 mm				
Poles: 1 mm	(inch)	Qty.	Order No.	Order No.
2	3.81 (0.150)	250	1864220000	1863500000
3	7.62 (0.300)	250	1864230000	1863510000
4	11.43 (0.450)	250	1864240000	1863530000
5	15.24 (0.600)	250	1864250000	1863580000
6	19.05 (0.750)	250	1864260000	1863600000
7	22.86 (0.900)	250	1864270000	1863620000
8	26.67 (1.050)	250	1864280000	1863640000



Marking strips

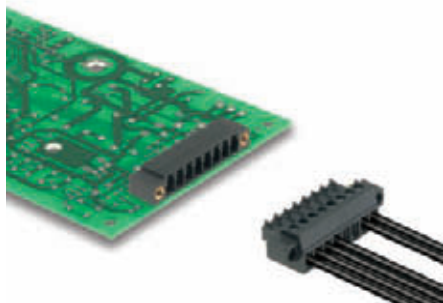
See chapter accessories



Tape width $W = 32$ mm for 2-pole version, otherwise 56 mm

Male connectors with solder connection

SL 3.81/90



The male connector system with a 3.81 mm (0.15 inch) pitch extends the range of products for the designer in the practical pitch 3.00 - 3.99 mm. The male connector is available with a 90° (angled) outlet direction. The Weidmüller male connectors are compatible with the layout of customary plug-in connectors with 3.81 mm pitch and provide space for printing and coding.

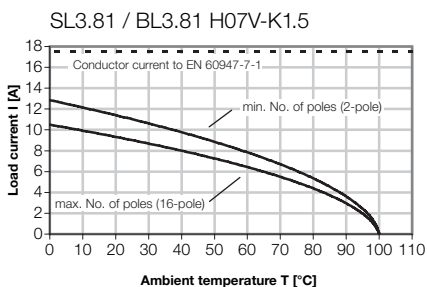
- 250 V (IEC) / 300 V (UL)
- 11.5 A (IEC) / 8 A (UL)

Technical data

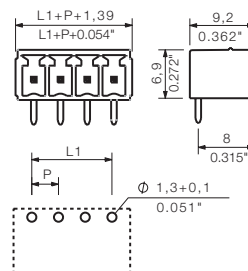
Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid H05(07) V-U	mm ²			
Stranded H07 V-R	mm ²			
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
according to norm				
Tightening torque range	Nm			
Rated current				
at ambient temperature				
	A	20°C	40°C	
		11.5	10	
Overvoltage category				
Pollution severity		III	III	II
		3	2	2
Rated voltage	V	125	125	250
Rated impulse voltage	kV	2.5	2.5	2.5
UL 1059 rated data - E60693		B	C	D
Rated voltage	V	300		300
Rated current	A	8		8
AWG conductor				
CSA C22.2 rated data - LR12400 B		B	C	D
Rated voltage	V	300		300
Rated current	A	5		5
AWG conductor				
Material data				
Type of insulating material		PA GF		
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.
- 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.

Derating curve



SL 3.81/90G

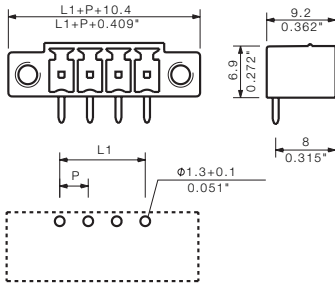


Ordering data

[illegible]

SL 3.81/90F

Accessories



Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length	3.5 mm
Colour	black

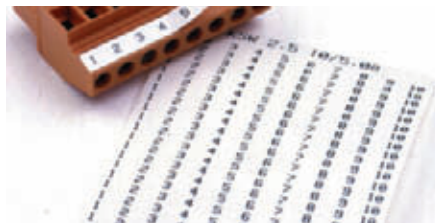
Pitch 3.81 mm

Poles	L1 mm (inch)	Qty.	Order No.	Order No.
2	3.81 (0.150)	50		1793330000
3	7.62 (0.300)	50		1793340000
4	11.43 (0.450)	50		1793350000
5	15.24 (0.600)	50		1793360000
6	19.05 (0.750)	50		1793370000
8	26.67 (1.050)	50		1793380000
10	34.29 (1.350)	50		1793390000
12	41.91 (1.650)	50		1793400000
16	57.15 (2.250)	50		1793410000



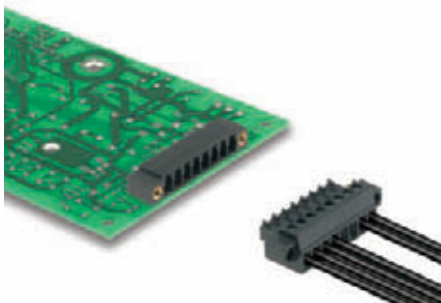
Marking strips

See chapter accessories



Male connectors with solder connection

SL 3.81/180



The male connector system with a 3.81 mm (0.15 inch) pitch extends the range of products for the designer in the practical pitch 3.00 - 3.99 mm. The male connector is available with a 180° (straight) outlet direction. The Weidmüller male connectors are compatible with the layout of customary plug-in connectors with 3.81 mm pitch and provide space for printing and coding.

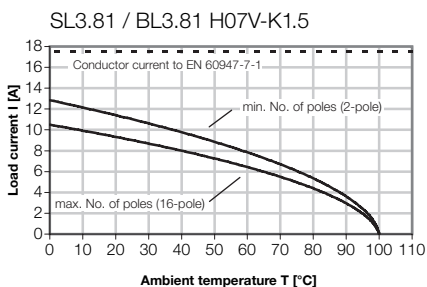
- 250 V (IEC) / 300 V (UL)
- 11.5 A (IEC) / 8 A (UL)

Technical data

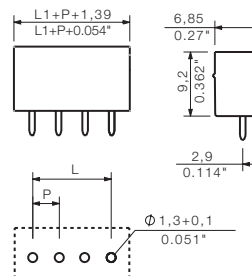
Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid H05(07) V-U	mm ²			
Stranded H07 V-R	mm ²			
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
according to norm				
Tightening torque range	Nm			
Rated current at ambient temperature		20°C	40°C	
	A	11.5	10	
Overvoltage category		III	II	
Pollution severity		3	2	
Rated voltage	V	125	125	250
Rated impulse voltage	kV	2.5	2.5	2.5
UL 1059 rated data - E60693		B	C	D
Rated voltage	V	300		300
Rated current	A	8		8
AWG conductor				
CSA C22.2 rated data - LR12400 B		B	C	D
Rated voltage	V	300		300
Rated current	A	5		5
AWG conductor				
Material data				
Type of insulating material		PA GF		
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.
- 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.

Derating curve



SL 3.81/180G

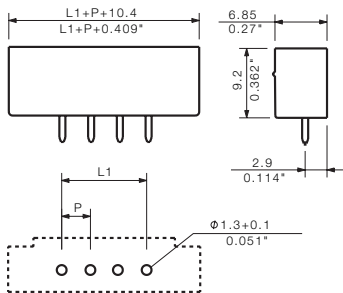


Ordering data

[illegible]

SL 3.81/180F

Accessories



Possible colors

Additional colours on request



Coding

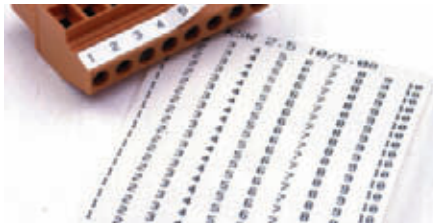
See chapter accessories

Ordering data

[illegible]

Marking strips

See chapter accessories



Socket connectors with clamping yoke connection

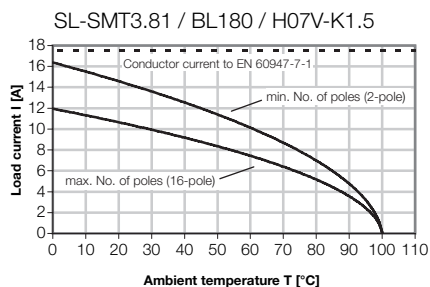
BL 3.81/180



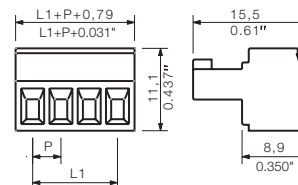
Socket connectors with clamping yoke screw connection for conductor connection with 180° outlet direction at 3.81 mm pitch. The socket connectors are also available with flange. They provide space for labelling and can be coded.

- 0.20 - 1.5 mm² (IEC) / 28 - 16 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 14.5 A (IEC) / 8 A (UL)

Derating curve



BL 3.81/180



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...1.5
Solid H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1.5
Ferrule with plastic collar	mm ²	0.2...1.5
Stripping length	mm	6.5
Screwdriver blade	mm	0.4 x 2.5
according to norm		DIN 5264
Tightening torque range	Nm	0.2...0.3

**Rated current
at ambient temperature**

A	14.5	12
---	------	----

Overvoltage category
Pollution severity

Rated voltage	V	125	125	250
Rated impulse voltage	kV	2.5	2.5	2.5

UL 1059 rated data - E60693

Rated voltage	V	300	300
Rated current	A	8	8
AWG conductor		28-16	

CSA C22.2 rated data - LR12400 B

Rated voltage	V	300	300
Rated current	A	5	5
AWG conductor		22-14	

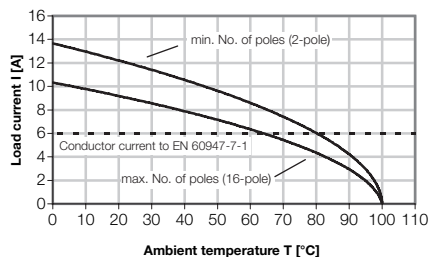
Material data

Type of insulating material	PA GF
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.

SL-SMT3.81 / BL180 / H05V-K0.5



Ordering data

Solder pin length

Colour	black
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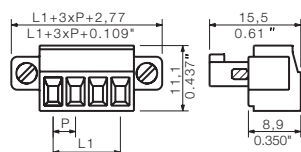
Pitch 3.81 mm

Poles 1 mm (inch)

Order No.	Order Date	Order Time	Order Status	Order Amount	Order Description
1	3.81	(0.150)	50	1792770000	
3	7.62	(0.300)	50	1792780000	
4	11.43	(0.450)	50	1792790000	
5	15.24	(0.600)	50	1792800000	
6	19.05	(0.750)	50	1792810000	
8	26.67	(1.050)	50	1792820000	
10	34.29	(1.350)	50	1792830000	
12	41.91	(1.650)	50	1792840000	
16	57.15	(2.250)	50	1792850000	

BL 3.81/180F

Accessories



Possible colors

Additional colours on request



Marking strips

See chapter accessories

Ordering data

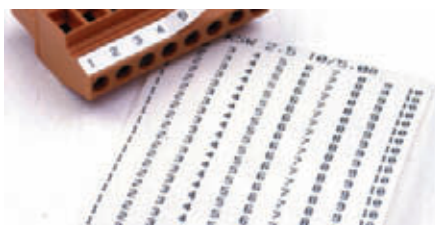
Solder pin length

Colour

black

Pitch 3.81 mm

Poles	L1 mm	(Inch)	Qty.	Order No.	Order No.
2	3.81	(0.150)	50		1792950000
3	7.62	(0.300)	50		1792960000
4	11.43	(0.450)	50		1792970000
5	15.24	(0.600)	50		1792980000
6	19.05	(0.750)	50		1792990000
8	26.67	(1.050)	50		1793000000
10	34.29	(1.350)	50		1793010000
12	41.91	(1.650)	50		1793020000
16	57.15	(2.250)	50		1793030000



Screwdriver

See chapter accessories
Order No. 9008370000

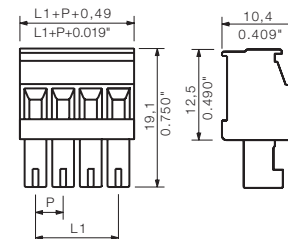
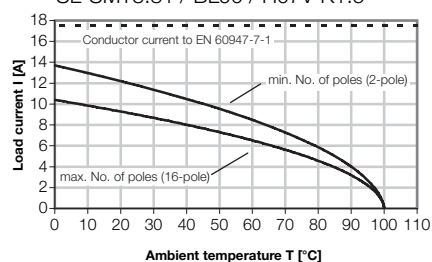


Derating curve



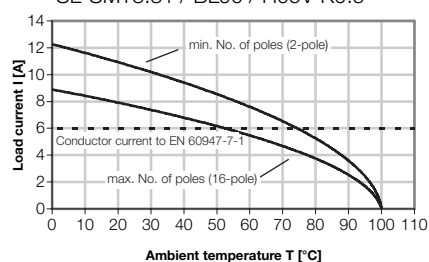
- 0.20 - 1.5 mm² (IEC) / 28 - 16 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 11.5 A (IEC) / 8 A (UL)

BL 3.81/90



SL-SMT3.81 / BL90 / H05V-K0.5

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...1.5	
Solid H05(07) V-U	mm ²	0.2...1.5	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.2...1.5	
Ferrule with plastic collar	mm ²	0.2...1.5	
Stripping length	mm	6.5	
Screwdriver blade	mm	0.4 x 2.5	
according to norm		DIN 5264	
Tightening torque range	Nm	0.2...0.3	
Rated current			
at normal temperature		20°C	40°C
	A	11.5	10
Overvoltage category			
Pollution severity		III	II
		3	2
Rated voltage	V	125	125
Rated impulse voltage	kV	2.5	2.5
UL 1059 rated data - E60693		B	D
Rated voltage	V	300	300
Rated current	A	8	8
AWG conductor		28-16	
CSA C22.2 rated data - LR12400 B		B	D
Rated voltage	V	300	300
Rated current	A	5	5
AWG conductor		22-14	
Material data			
Type of insulating material		PA GF	
Flammability class acc. UL94		V-0	
Contact base material		Cu alloy	
Material of contact surface		tinned	
Information			



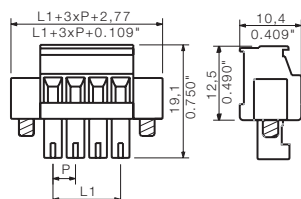
Ordering data

Pitch 3.81 mm			
Poles	L1 mm	(inch)	Qty.
2	3.81	(0.150)	50
3	7.62	(0.300)	50
4	11.43	(0.450)	50
5	15.24	(0.600)	50
6	19.05	(0.750)	50
8	26.67	(1.050)	50
10	34.29	(1.350)	50
12	41.91	(1.650)	50
16	57.15	(2.250)	50

[illegible]

BL 3.81/90F

Accessories



Possible colors

Additional colours on request



Marking strips

See chapter accessories

Ordering data

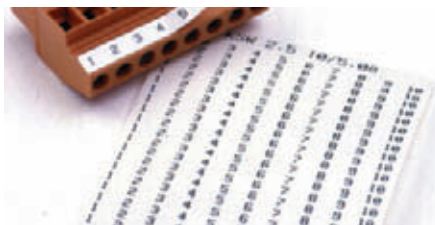
Solder pin length

Colour

black

Pitch 3.81 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.81	(0.150)	50		1798780000
3	7.62	(0.300)	50		1798140000
4	11.43	(0.450)	50		1798790000
5	15.24	(0.600)	50		1798800000
6	19.05	(0.750)	50		1798810000
8	26.67	(1.050)	50		1798150000
10	34.29	(1.350)	50		1798820000
12	41.91	(1.650)	50		1798830000
16	57.15	(2.250)	50		1798840000

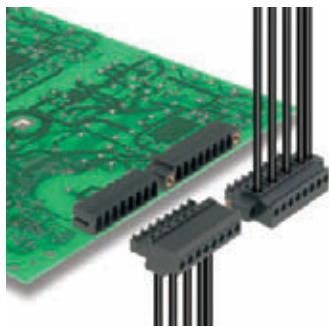


Screwdriver

See chapter accessories
Order No. 9008370000



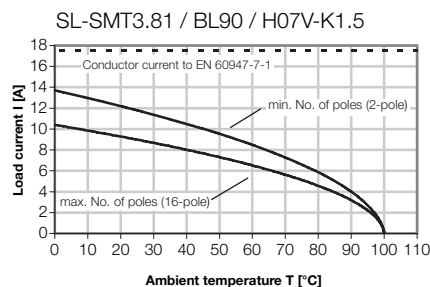
BL 3.81/270



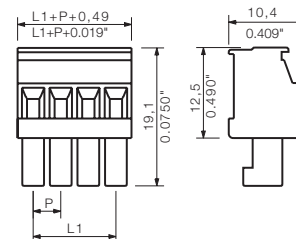
Socket connectors with clamping yoke screw connection for conductor connection with angled outlet direction (270°) at 3.81 mm pitch. The socket connectors are also available with flange. They provide space for labelling and can be coded.

- 0.20 - 1.5 mm² (IEC) / 28 - 16 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 11.5 A (IEC) / 8 A (UL)

Derating curve



BL 3.81/270



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...1.5
Solid H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R	mm ²	
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1.5
Ferrule with plastic collar	mm ²	0.2...1.5
Stripping length	mm	6.5
Screwdriver blade	mm	0.4 x 2.5
according to norm		DIN 5264
Tightening torque range	Nm	0.2...0.3

Rated current

at ambient temperature	20°C	40°C
A	11.5	10

Overvoltage category
Pollution severity

Rated voltage	V	125	125	250
Rated impulse voltage	kV	2.5	2.5	2.5

UL 1059 rated data - E60693

Rated voltage	V	300	300
Rated current	A	8	8
AWG conductor		28-16	

CSA C22.2 rated data - LR12400 B

Rated voltage	V	300	300
Rated current	A	5	5
AWG conductor		22-14	

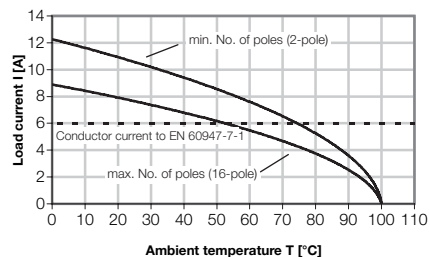
Material data

Type of insulating material	PA GF
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.

SL-SMT3.81 / BL90 / H05V-K0.5



Ordering data

Solder pin length

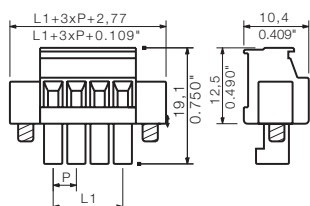
Colour	black
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Pitch 3.81 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.81	(0.150)	50		1798940000
3	7.62	(0.300)	50		1798160000
4	11.43	(0.450)	50		1798950000
5	15.24	(0.600)	50		1798960000
6	19.05	(0.750)	50		1798970000
8	26.67	(1.050)	50		1798170000
10	34.29	(1.350)	50		1798980000
12	41.91	(1.650)	50		1798990000
16	57.15	(2.250)	50		1799000000

BL 3.81/270F

Accessories



Possible colors

Additional colours on request



Marking strips

See chapter accessories

Ordering data

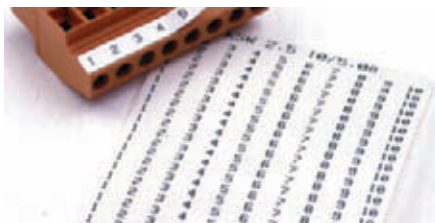
Solder pin length

Colour

black

Pitch 3.81 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.81	(0.150)	50		1799100000
3	7.62	(0.300)	50		1798180000
4	11.43	(0.450)	50		1799110000
5	15.24	(0.600)	50		1799120000
6	19.05	(0.750)	50		1799130000
8	26.67	(1.050)	50		1798190000
10	34.29	(1.350)	50		1799140000
12	41.91	(1.650)	50		1799150000
16	57.15	(2.250)	50		1799160000



Screwdriver

See chapter accessories
Order No. 9008370000



