

PCB plug-in connectors

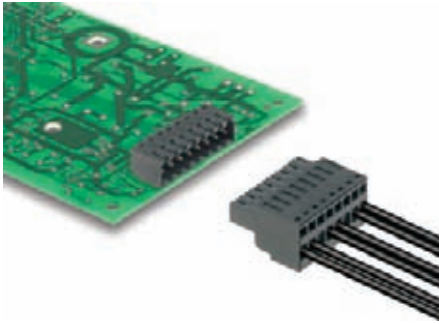
Signals & data

3.50 mm pitch

Male connectors with THR solder connection	E.2
Male connectors with solder connection	E.16
Socket connectors with clamping yoke connection	E.28
Socket connectors with tension clamp connection	E.34
Socket connectors with IDC	E.36
Socket connectors with Push In connection for decentralised I/O electronics	E.38

Male connectors with THR solder connection

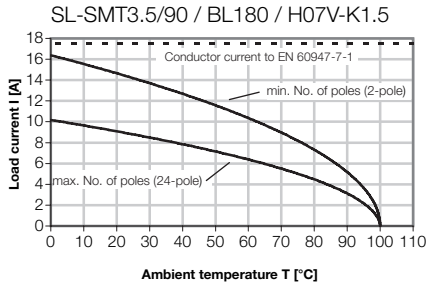
SL-SMT 3.5/90G



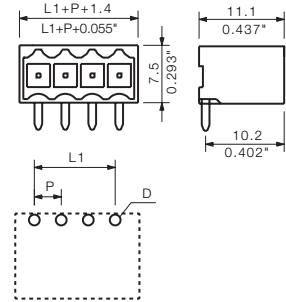
High-temperature-resistant, angled, closed male connector for all common soldering methods in 3.5 mm pitch. Optimised for automatic assembly. Packed in box or tape. 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These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

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

Derating curve



SL-SMT 3.5/90G 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		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

		B	C	D
Nominal voltage	V	300	300	
Rated current	A	10	10	
AWG conductor				

CSA C22.2 rated data

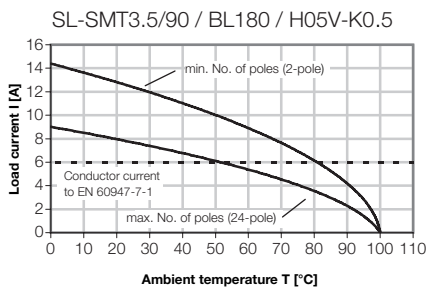
		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor				

Material data

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

Information

- 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±0.1mm
- Hole diameter D = 1.5±0.1mm 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

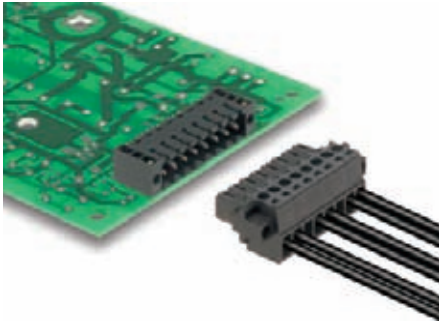
Solder pin length	1.5 mm	3.2 mm
Colour of plastic	black	black

Pitch 3.50 mm

Poles	L1 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

Male connectors with THR solder connection

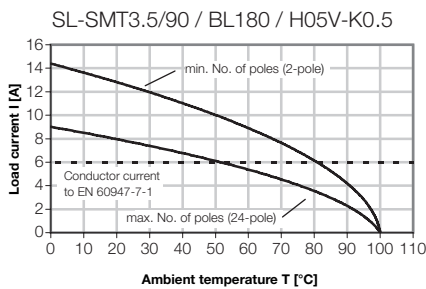
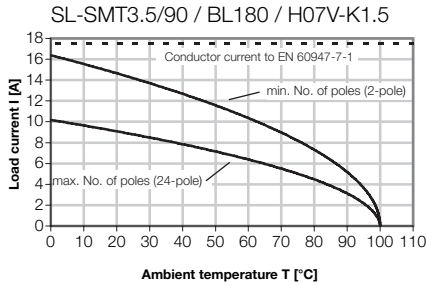
SL-SMT 3.5/90F



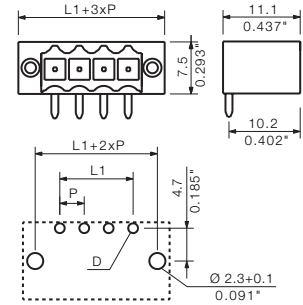
High-temperature-resistant, angled, closed male connector with screw flange for all common soldering methods in 3.5 mm pitch. Optimised for automatic assembly. 3.2 mm solder pin suitable for re-flow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These 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 3.5/90F Box



Ordering data

Solder pin length	3.2 mm
Colour of plastic	black

Pitch 3.50 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	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

Technical data

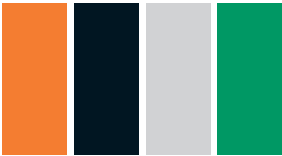
Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid H05(07) V-U	mm ²			
Stranded H07 V-R	mm ²			
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
according to norm				
Tightening torque range	Nm			
Rated current at ambient temperature	20°C	40°C		
	A	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	B	C	D	
Nominal voltage	V	300	300	
Rated current	A	10	10	
AWG conductor				
CSA C22.2 rated data	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**
- 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+0.1mm
 - Hole diameter D = 1.5+0.1mm 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.

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

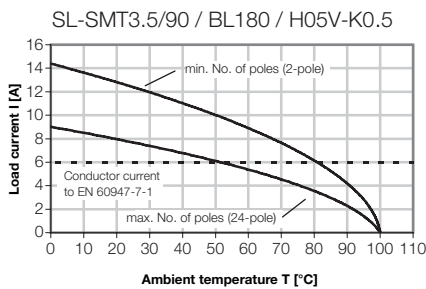
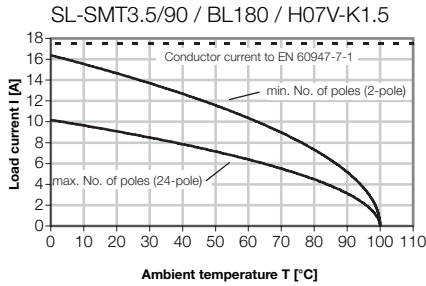
SL-SMT 3.5/90LF



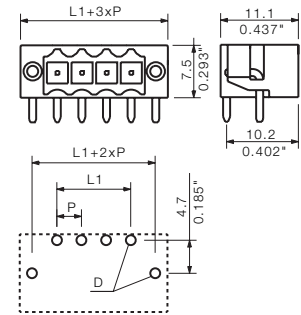
High-temperature-resistant, angled, closed male connector with solder flange for all common soldering methods in 3.5 mm pitch. Optimised for automatic assembly. Packed in box or tape. 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements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

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

Derating curve



SL-SMT 3.5/90LF 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	20°C	40°C
A	15	13

Overvoltage category

III	III	II
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Pollution severity

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

UL 1059 rated data

	B	C	D
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Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor			

CSA C22.2 rated data

	B	C	D
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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+0.1mm
- Hole diameter D = 1.5+0.1mm 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	1.5 mm	3.2 mm
Colour of plastic	black	black

Pitch 3.50 mm

Poles	L1 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	1804340000
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

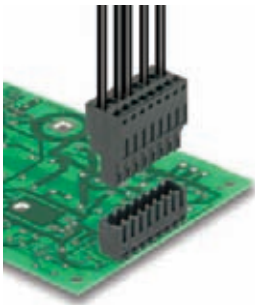
Solder pin length	1.5 mm
Colour of plastic	black

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	385	1805310000	
3	7.00	(0.276)	385	1805320000	
4	10.50	(0.413)	385	1805330000	
5	14.00	(0.551)	385	1805340000	
6	17.50	(0.689)	385	1805350000	
7	21.00	(0.827)	385	1805360000	
8	24.50	(0.965)	385	1805370000	
9	28.00	(1.102)	385	1805380000	
10	31.50	(1.240)	385	1005180000	

Tape widths: 32, 44, 56, 72, 88

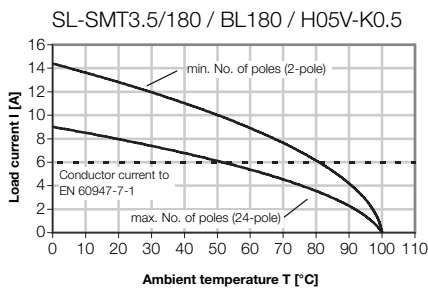
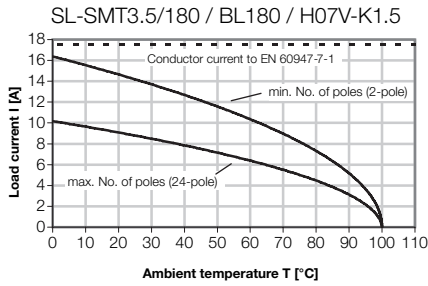
SL-SMT 3.5/180G



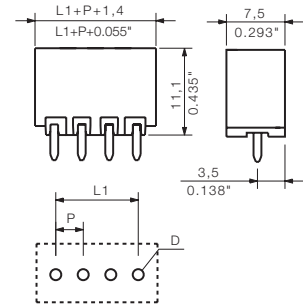
High-temperature-resistant, straight, closed male connector for all common soldering methods in 3.5 mm pitch. Optimised for automatic assembly. Packed in box or tape. 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1.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

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

Derating curve



SL-SMT 3.5/180G 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	20°C	40°C
	A	15

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

		B	C	D
Nominal voltage	V	300	300	
Rated current	A	10	10	
AWG conductor				

CSA C22.2 rated data

		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

- 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+0.1mm
- Hole diameter D = 1.5+0.1mm 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	1.5 mm	3.2 mm
Colour of plastic	black	black

Pitch 3.50 mm

Poles	L1 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



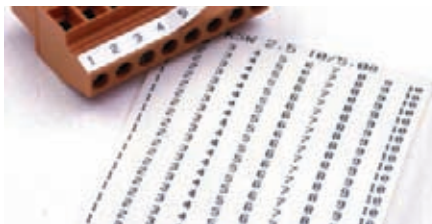
Locking lever

See chapter accessories



Marking strips

See chapter accessories



Ordering data

Solder pin length	1.5 mm
Colour of plastic	black

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	265	1752984002	
3	7.00	(0.276)	265	1752994002	
4	10.50	(0.413)	265	1753004002	
5	14.00	(0.551)	265	1753014002	
6	17.50	(0.689)	265	1753024001	
7	21.00	(0.827)	265	1753034001	
8	24.50	(0.965)	265	1753044001	
9	28.00	(1.102)	265	1753054001	
10	31.50	(1.240)	265	1753064001	
11	35.00	(1.378)	265	1753074001	

Tape widths: 32, 44, 56, 72, 88

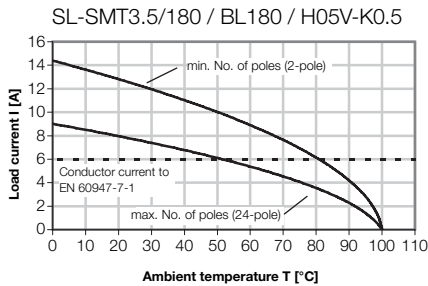
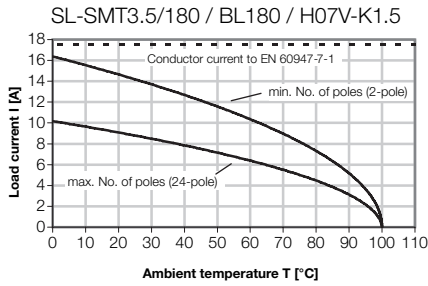
SL-SMT 3.5/180F



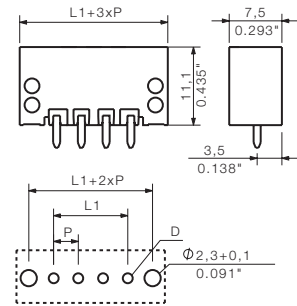
High-temperature-resistant, straight, closed male connector with screw flange for all common soldering methods in 3.5 mm pitch. Optimised for automatic assembly. 3.2 mm solder pin suitable for re-flow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These 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		20°C	40°C
	A	15	13
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	160	160
Rated impulse voltage	kV	2.5	2.5
		250	2.5
UL 1059 rated data			
		B	C
Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor			
CSA C22.2 rated data			
		B	C
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+0.1mm
 - Hole diameter D = 1.5+0.1mm 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

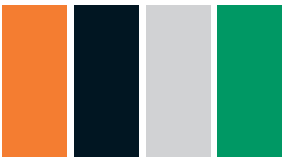
Solder pin length	3.2 mm
Colour of plastic	black

Pitch 3.50 mm					
Poles	L1 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



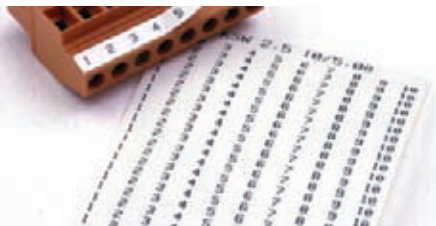
Locking lever

See chapter accessories



Marking strips

See chapter accessories



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 of plastic	black

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	265	1805210000	
3	7.00	(0.276)	265	1805230000	
4	10.50	(0.413)	265	1805240000	
5	14.00	(0.551)	265	1805250000	
6	17.50	(0.689)	265	1805270000	
7	21.00	(0.827)	265	1805280000	
8	24.50	(0.965)	265	1805290000	
9	28.00	(1.102)	265	1805300000	

Tape widths: 32, 44, 56, 72, 88

Male connectors with THR solder connection

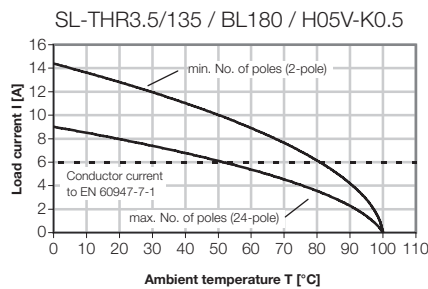
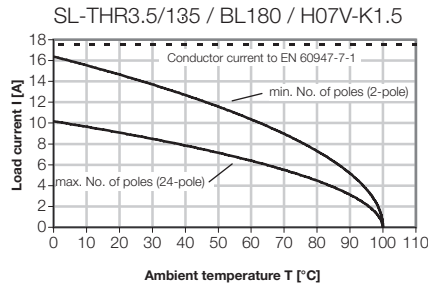
SL-THR 3.5/135



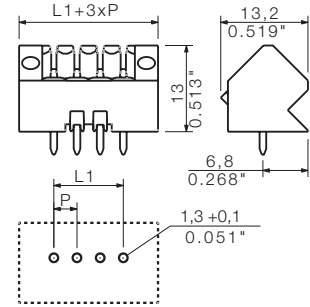
High-temperature-resistant, 135° angled, closed male connector with solder flange for all standard soldering techniques at 3.5 mm pitch. 3.2 mm pin length, suitable for reflow and wave soldering applications. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors provide space for labelling and can be coded. Packed in cardboard box.

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

Derating curve



SL-THR 3.5/135 F Box



Ordering data

Solder pin length	3.2 mm
Colour of plastic	black

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	3.50	(0.138)	100		1003510000
3	7.00	(0.276)	100		1003520000
4	10.50	(0.413)	100		1003530000
5	14.00	(0.551)	100		1003540000
6	17.50	(0.689)	50		1003550000
7	21.00	(0.827)	50		1003560000
8	24.50	(0.965)	50		1003570000
9	28.00	(1.102)	50		1003580000
10	31.50	(1.240)	50		1003590000
11	35.00	(1.378)	50		1003600000
12	38.50	(1.516)	50		1003620000
13	42.00	(1.654)	50		1003630000
14	45.50	(1.791)	50		1003640000
15	49.00	(1.929)	50		1003650000
16	52.50	(2.067)	50		1003660000
17	56.00	(2.205)	20		1003670000
18	59.50	(2.343)	20		1003680000
19	63.00	(2.480)	20		1003690000
20	66.50	(2.618)	20		1003700000
21	70.00	(2.756)	20		1003710000
22	73.50	(2.894)	20		1003720000
23	77.00	(3.031)	20		1003730000
24	80.50	(3.169)	20		1003740000

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	15	13

Overvoltage category

	III	III	II
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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

	B	C	D
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Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor			

CSA C22.2 rated data

	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

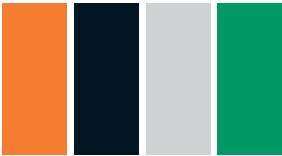
Information

- 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+0.1mm
- Hole diameter D = 1.5+0.1mm 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.

Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



Locking lever

See chapter accessories

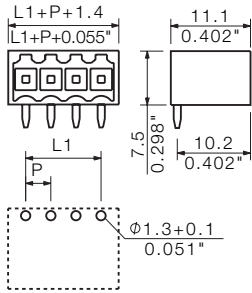


Marking strips

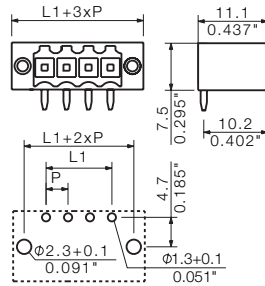
See chapter accessories



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 of plastic	orange

Pitch 3.50 mm

Poles	L1 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 of plastic	orange

Pitch 3.50 mm

Poles	L1 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	



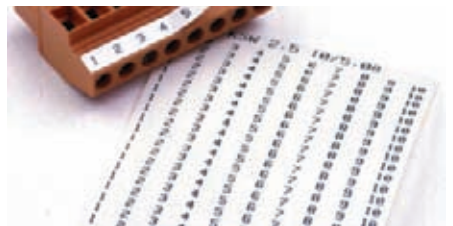
Locking lever

See chapter accessories



Marking strips

See chapter accessories

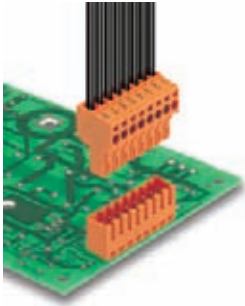


Floodlight indicator

See chapter accessories



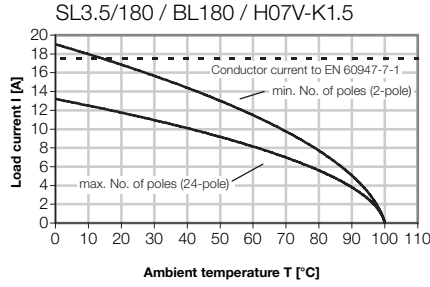
SL 3.5/180



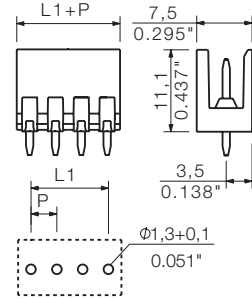
Straight male connector (180° outlet direction) for wave soldering method with 3.5 mm pitch. Available in open, closed and flange versions. These male connectors provide space for labelling and can be coded. Supplied in cardboard box.

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

Derating curve



SL 3.5/180



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²
Solid H05(07) V-U	mm ²
Stranded H07 V-R	mm ²
Flexible H05(07) V-K	mm ²
Flexible with ferrule	mm ²
Ferrule with plastic collar	mm ²
Stripping length	mm
Screwdriver blade according to norm	mm
Tightening torque range	Nm

Rated current at ambient temperature

	20°C	40°C
A	17	14.5

Overvoltage category

III	III	II
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Pollution severity

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

UL 1059 rated data

	B	C	D
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Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor			

CSA C22.2 rated data

	B	C	D
--	---	---	---

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

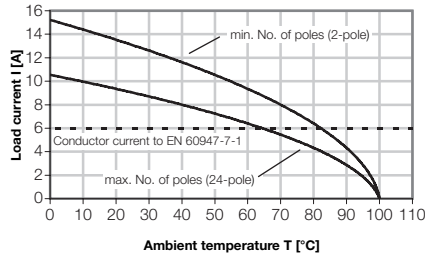
Material data

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.

SL3.5/180 / BL180 / H05V-K0.5



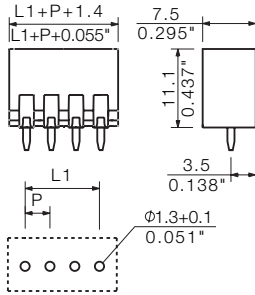
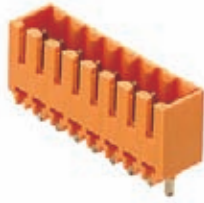
Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

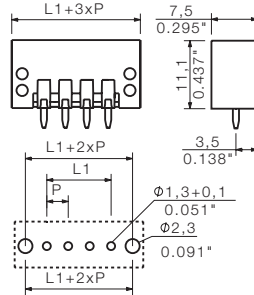
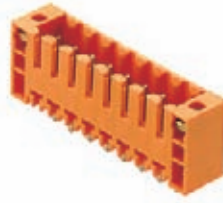
Pitch 3.50 mm

Poles	L1 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	

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 of plastic	orange

Pitch 3.50 mm

Poles	L1 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 of plastic	orange

Pitch 3.50 mm

Poles	L1 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	



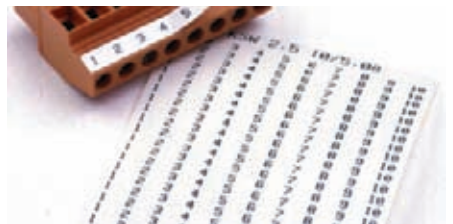
Locking lever

See chapter accessories



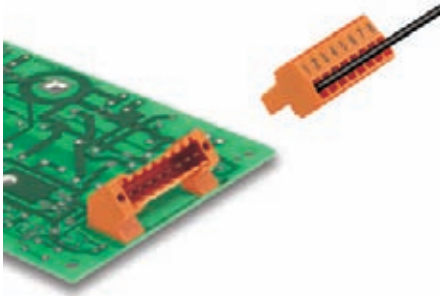
Marking strips

See chapter accessories



Male connectors with solder connection

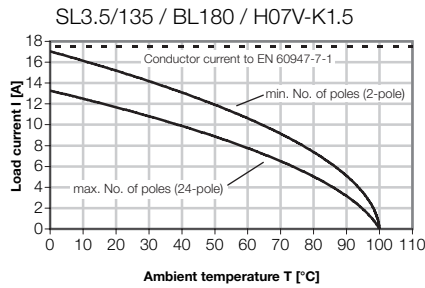
SL 3.5/135



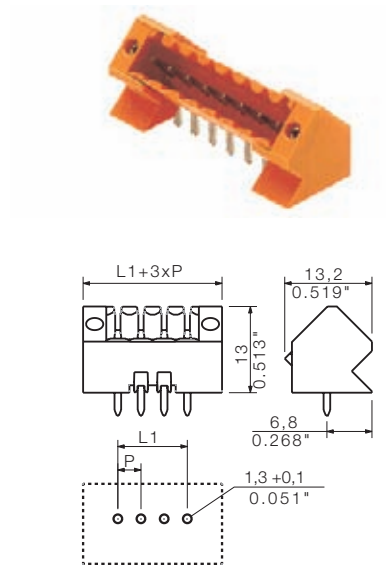
Angled male connector (135° outlet direction) for wave soldering method at 3.5 mm pitch. The male connector is available in a flange version. The male connectors provide space for labelling and can be coded. Packaged in cardboard box.

- 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	20°C	40°C
A	15	13

Overvoltage category

III	III	II
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Pollution severity

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

UL 1059 rated data

	B	C	D
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Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor			

CSA C22.2 rated data

	B	C	D
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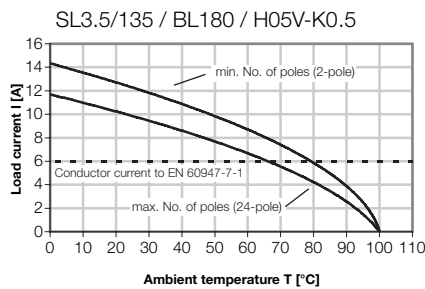
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor			

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 of plastic	orange

Pitch 3.50 mm

Poles	L1 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



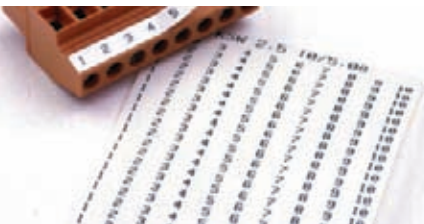
Locking lever

See chapter accessories



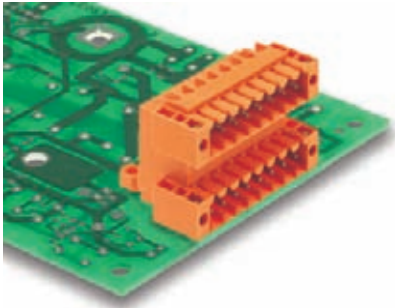
Marking strips

See chapter accessories



Male connectors with solder connection

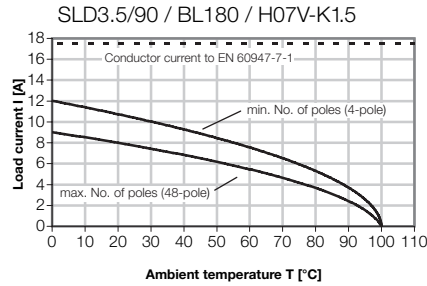
SLD 3.5/90



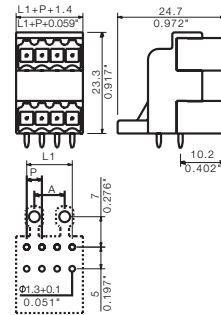
Double level angled male connector (90° outlet direction) for wave soldering with 3.5 mm pitch. Available in open, closed and flange versions. These male connectors provide space for labelling and can be coded. Supplied in cardboard box.

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

Derating curve



SLD 3.5/90G



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 according to norm	mm
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

	B	C	D
--	---	---	---

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

CSA C22.2 rated data

	B	C	D
--	---	---	---

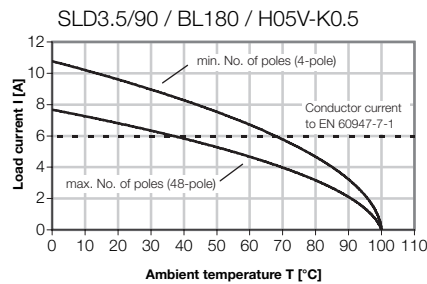
Rated voltage	V	300	300
Rated current	A	8	8
AWG conductor			

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
- 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.



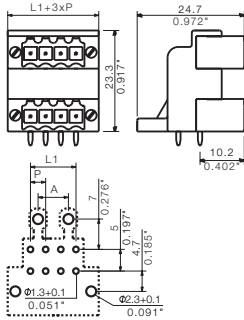
Ordering data

Solder pin length	3.2 mm
-------------------	--------

Colour of plastic	orange
-------------------	--------

Pitch 3.50 mm					
Poles	L1 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	

SLD 3.5/90F



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 3.50 mm

Poles	L1 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	



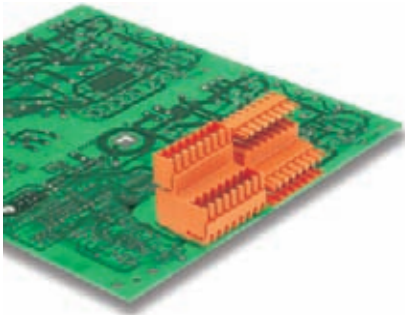
Marking strips

See chapter accessories



Male connectors with solder connection

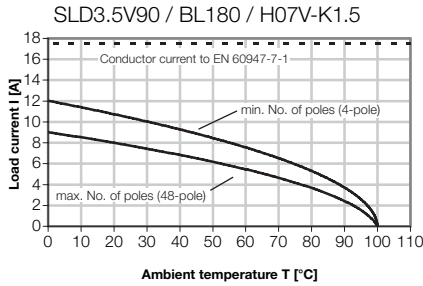
SLD 3.5V 90



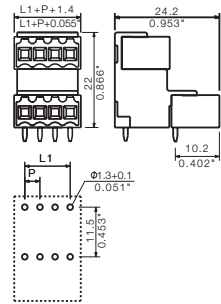
Double level angled, offset male connector (90° outlet direction) for wave soldering with 3.5 mm pitch. Available in closed and flange versions. These male connectors provide space for labelling and can be coded.

- 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	20°C	40°C
A	10.5	9

Overvoltage category

	III	III	II
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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

	B	C	D
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Nominal voltage	V	300	300
Rated current	A	8	8
AWG conductor			

CSA C22.2 rated data

	B	C	D
--	---	---	---

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

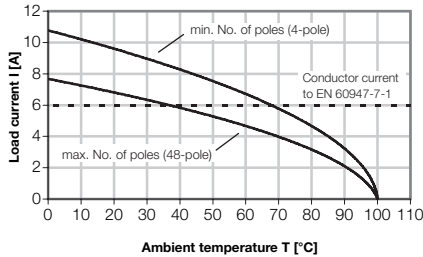
Material data

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.

SLD3.5V90 / BL180 / H05V-K0.5



Ordering data

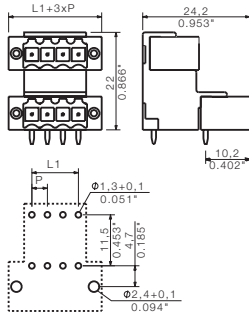
Solder pin length	3.2 mm
-------------------	--------

Colour of plastic	orange
-------------------	--------

Pitch 3.50 mm

Poles	L1 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



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 3.50 mm

Poles	L1 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	



Marking strips

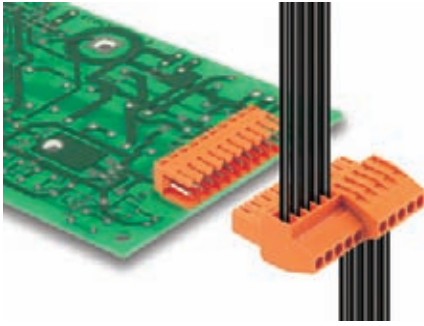
See chapter accessories



Socket connectors with clamping yoke connection

Signals & data
3.50 mm pitch

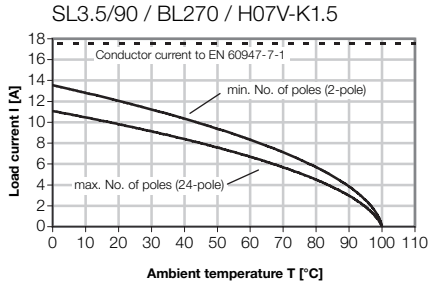
BL 3.5/90



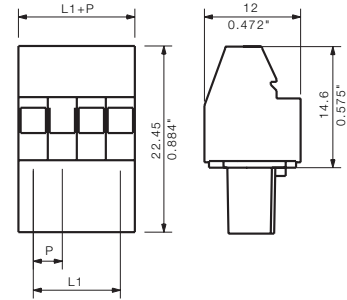
Socket connectors with clamping yoke screw connection for conductor connection with angled outlet direction (90°) at 3.5 mm pitch. The socket connectors are also available with flange. They provide space for labelling and can be coded.

- 0.2 - 1.5 mm² (IEC) / 28 - 14 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 12 A (IEC) / 8 A (UL)

Derating curve



BL 3.5/90



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	20°C	40°C
A	12	10

Overvoltage category

III	III	II
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Pollution severity

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

UL 1059 rated data

		B	C	D
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Nominal voltage	V	300	300	300
Rated current	A	8	8	8
AWG conductor			28-14	

CSA C22.2 rated data

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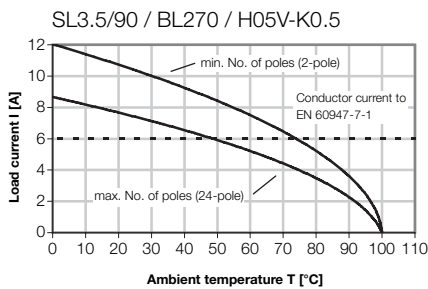
Rated voltage	V	300	300	300
Rated current	A	10	10	10
AWG conductor			28-14	

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

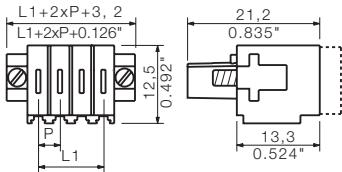
Colour of plastic	<input checked="" type="checkbox"/> orange	<input type="checkbox"/> black
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Pitch 3.50 mm

Poles	L1 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

BLIDCB 3.5F

Bus version



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



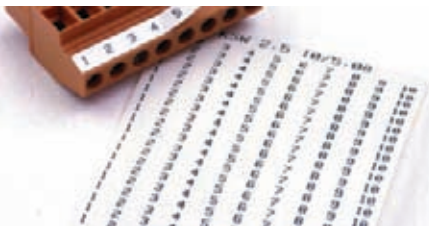
Mounting block

See chapter accessories



Marking strips

See chapter accessories



Screwdriver

See chapter accessories
Order No. 9008370000



Ordering data

Solder pin length

Colour of plastic orange black

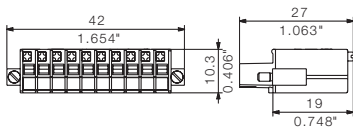
Table with 4 columns for ordering data, mostly empty rows.

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

Table with 4 columns for ordering data, mostly empty rows.

BL-I/O 3.5/10F



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



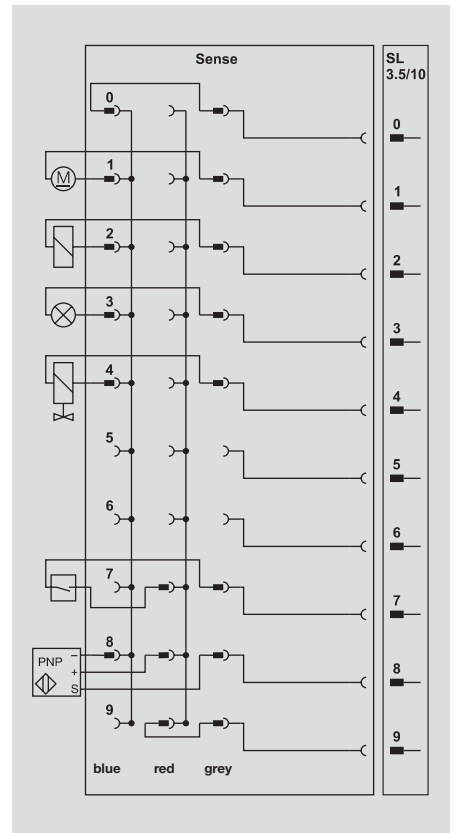
BL I/O 3.5

BL I/O 3.5 30-pole

- The plug-in connection level for decentralised I/O electronics
- Directly from the controller 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 of plastic

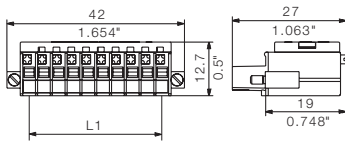
grey

black

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
10	31.50	(1.240)	20	1871690000	1779880000

BL-I/O 3.5/10F PNP LED



Accessories

Possible colors

Additional colours on request



Coding

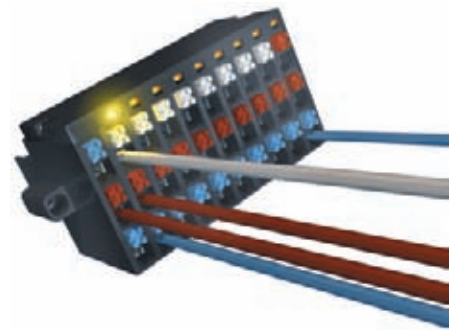
See chapter accessories



BL I/O 3.5 LED PNP

BL I/O 3.5 30-pole

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

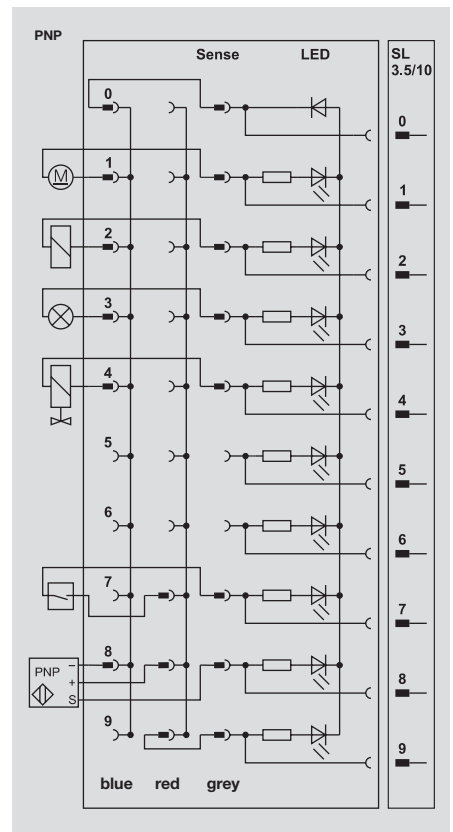


Integral LED version

- Optimum availability for all BL I/Os
- Testing of the sensor/actuator wiring prior to releasing the control into operation
- No functional indications required in the housing

Wiring diagram for 30-pole PNP 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 of plastic

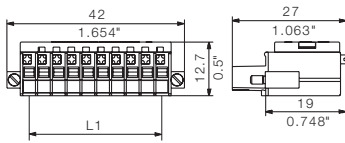
grey

black

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
10	31.50	(1.240)	20	1965940000	1789090000

BL-I/O 3.5/10F NPN LED



Accessories

Possible colors

Additional colours on request



Coding

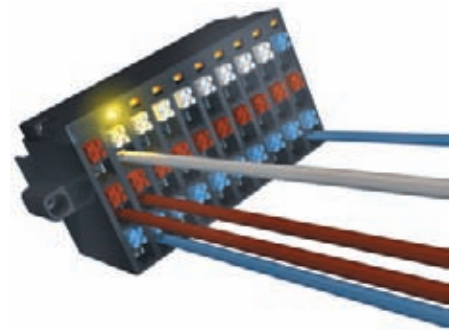
See chapter accessories



BL I/O 3.5 LED NPN

BL I/O 3.5 30-pole

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

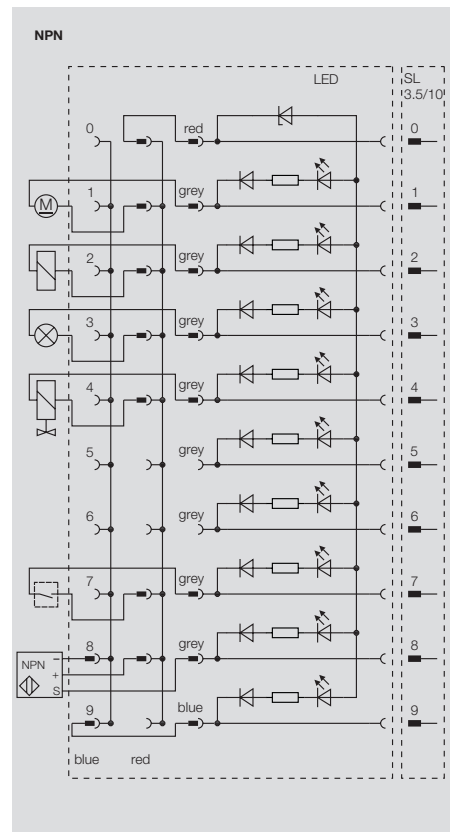


Integral LED version

- Optimum availability for all BL I/Os
- Testing of the sensor/actuator wiring prior to releasing the control into operation
- No functional indications required in the housing

Wiring diagram for 30-pole NPN 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 voltage supply options



Ordering data

Solder pin length

Colour of plastic

grey

black

Pitch 3.50 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
10	31.50	(1.240)	20	1965950000	1938010000

