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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Omnimate Range - Pitch 3.50 mm

The **Omnimate Range** offers a free choice of the connecting technique. Everything is possible with the socket blocks and pin plugs: leaf spring, clamping yoke, tension clamp, TOP, crimp, and IDC connections.

This versatility brings substantial benefits: You design your printed circuit board with a 3.5/5/7mm pitch component and are able to combine different field connections with it – as it is required by end customers and market.

The comprehensive assortment of pin headers and socket blocks, the multitude of different angles between pcb, connectors and conductors in the field, and the large selection of accessories permit the **Omnimate Range** to be used in a variety of applications.

For example: motor control, free wiring of initiators and actuators, in interface elements or in power supply units.

### Product features overview:

- free selection of the connecting technique
- easy to use
- end-to-end stacking without loss of pitch
- thermoplastic polyester (PBT), or Liquid Crystal Polymer (LCP) is used as insulation material that is flame-resistant according to UL 94 V-0
- large selection of accessories

Our standard socket blocks in **3.50 mm pitch** are available with clamping yoke (screw clamp) tension clamp, IDC (Insulation Displacement Connection), and with the innovative spring connection technique that is used in our new Sensor/Actuator socket block **BL I/O 3.5**.

The socket blocks can be combined with all single and double-level pin headers with conductor angle of 90°, 110°, 135° and 180°. And, of course, with our innovative **SL-SMT 3.5 pin headers** (Through-Hole-Reflow).

### 3.50 mm pitch:

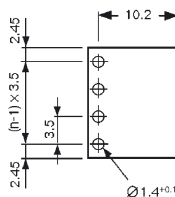
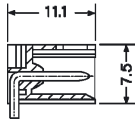
- all pin headers and socket blocks can be combined as required
- high connection density: approximately 30% more connections compared to 5.00/5.08 mm pitch
- optimum adaptation to the installation dimensions of standardized plug-in modules
- voltages up to 160 V, currents up to 12 A, conductor cross-sections up to 1.5 mm<sup>2</sup>

# Omnimate Range - Pitch 3.50 mm



## Pin headers SL-SMT 3.5/90G

**new**



Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	13	10	10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	13	10	10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	13	10	10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

Solder pin length 1.5 mm

Tape-on-Reel

Colour

Tape width

56 mm

32 mm

Poles	Type	Cat. No.	Cat. No.	Qty.
2	SL-SMT 3.5/2/90G	1761544001	1761544002	250
3	SL-SMT 3.5/3/90G	1761554001	1761554002	250
4	SL-SMT 3.5/4/90G	1761564001	1761564002	250
5	SL-SMT 3.5/5/90G	1761574001	1761574002	250
6	SL-SMT 3.5/6/90G	1761584001	-	250
7	SL-SMT 3.5/7/90G	1761594001	-	250
8	SL-SMT 3.5/8/90G	1761604001	-	250
9	SL-SMT 3.5/9/90G	1761614001	-	250
10	SL-SMT 3.5/10/90G	1761624001	-	250
11	SL-SMT 3.5/11/90G	1761634001	-	250

For detailed product and application information for SMT see chapter "Other Applications" page 180-188.

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Solder pin length 1.5 mm

Tray

Colour

Poles	Type	Cat. No.	Qty.
2	SL-SMT 3.5/2/90G	1761543001	108
3	SL-SMT 3.5/3/90G	1761553001	108
4	SL-SMT 3.5/4/90G	1761563001	96
5	SL-SMT 3.5/5/90G	1761573001	78
6	SL-SMT 3.5/6/90G	1761583001	66
7	SL-SMT 3.5/7/90G	1761593001	60
8	SL-SMT 3.5/8/90G	1761603001	54
9	SL-SMT 3.5/9/90G	1761613001	48
10	SL-SMT 3.5/10/90G	1761623001	42
11	SL-SMT 3.5/11/90G	1761633001	36
12	SL-SMT 3.5/12/90G	1761643001	36
13	SL-SMT 3.5/13/90G	1761653001	30
14	SL-SMT 3.5/14/90G	1761663001	30
15	SL-SMT 3.5/15/90G	1761673001	30
16	SL-SMT 3.5/16/90G	1761683001	24
17	SL-SMT 3.5/17/90G	1761693001	24
18	SL-SMT 3.5/18/90G	1761703001	24
19	SL-SMT 3.5/19/90G	1761713001	24
20	SL-SMT 3.5/20/90G	1761723001	18
21	SL-SMT 3.5/21/90G	1761733001	18
22	SL-SMT 3.5/22/90G	1761743001	18
23	SL-SMT 3.5/23/90G	1761753001	18
24	SL-SMT 3.5/24/90G	1761763001	18

For detailed product and application information for SMT see chapter "Other Applications" page 180-188.

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Solder pin length 1.5 mm

Standard Box

Colour

Poles	Type	Cat. No.	Qty.
2	SL-SMT 3.5/2/90G	1761542001	100
3	SL-SMT 3.5/3/90G	1761552001	100
4	SL-SMT 3.5/4/90G	1761562001	100
5	SL-SMT 3.5/5/90G	1761572001	50
6	SL-SMT 3.5/6/90G	1761582001	50
7	SL-SMT 3.5/7/90G	1761592001	50
8	SL-SMT 3.5/8/90G	1761602001	50
9	SL-SMT 3.5/9/90G	1761612001	50
10	SL-SMT 3.5/10/90G	1761622001	50
11	SL-SMT 3.5/11/90G	1761632001	50
12	SL-SMT 3.5/12/90G	1761642001	50
13	SL-SMT 3.5/13/90G	1761652001	50
14	SL-SMT 3.5/14/90G	1761662001	50
15	SL-SMT 3.5/15/90G	1761672001	50
16	SL-SMT 3.5/16/90G	1761682001	50
17	SL-SMT 3.5/17/90G	1761692001	20
18	SL-SMT 3.5/18/90G	1761702001	20
19	SL-SMT 3.5/19/90G	1761712001	20
20	SL-SMT 3.5/20/90G	1761722001	20
21	SL-SMT 3.5/21/90G	1761732001	20
22	SL-SMT 3.5/22/90G	1761742001	20
23	SL-SMT 3.5/23/90G	1761752001	20
24	SL-SMT 3.5/24/90G	1761762001	20

For detailed product and application information for SMT see chapter "Other Applications" page 180-188.

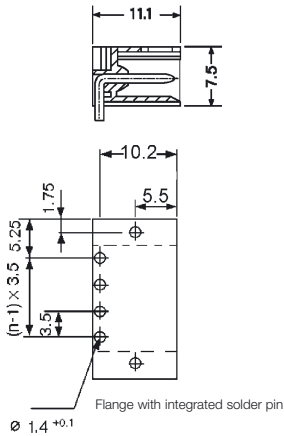
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## Pin headers SL-SMT 3.5/90LF

**new**



Technical Data	VDE	UL	CSA
Rated voltage	V	160*	300 300
Rated current	A	13	10 10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

Solder pin length		1.5 mm	
Tape-on-Reel			
Colour			
Tape width		56 mm	32 mm
Poles	Type	Cat. No.	Qty.
2	SL-SMT 3.5/2/90LF	-	1805310000 250
3	SL-SMT 3.5/3/90LF	-	1805320000 250
4	SL-SMT 3.5/4/90LF	1805330000	- 250
5	SL-SMT 3.5/5/90LF	1805340000	- 250
6	SL-SMT 3.5/6/90LF	1805350000	- 250
7	SL-SMT 3.5/7/90LF	1805360000	- 250
8	SL-SMT 3.5/8/90LF	1805370000	- 250
9	SL-SMT 3.5/9/90LF	1805380000	- 250

For detailed product and application information for SMT see chapter "Other Applications" page 180-188.

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Technical Data	VDE	UL	CSA
Rated voltage	V	160*	300 300
Rated current	A	13	10 10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

Solder pin length		1.5 mm	
Tray			
Colour			
Poles	Type	Cat. No.	Qty.
2	SL-SMT 3.5/2/90LF	on request	-
3	SL-SMT 3.5/3/90LF	on request	-
4	SL-SMT 3.5/4/90LF	on request	-
5	SL-SMT 3.5/5/90LF	on request	-
6	SL-SMT 3.5/6/90LF	on request	-
7	SL-SMT 3.5/7/90LF	on request	-
8	SL-SMT 3.5/8/90LF	on request	-
9	SL-SMT 3.5/9/90LF	on request	-
10	SL-SMT 3.5/10/90LF	on request	-
11	SL-SMT 3.5/11/90LF	on request	-
12	SL-SMT 3.5/12/90LF	on request	-
13	SL-SMT 3.5/13/90LF	on request	-
14	SL-SMT 3.5/14/90LF	on request	-
15	SL-SMT 3.5/15/90LF	on request	-
16	SL-SMT 3.5/16/90LF	on request	-
17	SL-SMT 3.5/17/90LF	on request	-
18	SL-SMT 3.5/18/90LF	on request	-
19	SL-SMT 3.5/19/90LF	on request	-
20	SL-SMT 3.5/20/90LF	on request	-
21	SL-SMT 3.5/21/90LF	on request	-
22	SL-SMT 3.5/22/90LF	on request	-
23	SL-SMT 3.5/23/90LF	on request	-
24	SL-SMT 3.5/24/90LF	on request	-

For detailed product and application information for SMT see chapter "Other Applications" page 180-188.

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Technical Data	VDE	UL	CSA
Rated voltage	V	160*	300 300
Rated current	A	13	10 10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

Solder pin length		1.5 mm	
Standard Box			
Colour			
Poles	Type	Cat. No.	Qty.
2	SL-SMT 3.5/2/90LF	1804940000	100
3	SL-SMT 3.5/3/90LF	1804950000	100
4	SL-SMT 3.5/4/90LF	1804960000	100
5	SL-SMT 3.5/5/90LF	1804970000	50
6	SL-SMT 3.5/6/90LF	1804980000	50
7	SL-SMT 3.5/7/90LF	1804990000	50
8	SL-SMT 3.5/8/90LF	1805000000	50
9	SL-SMT 3.5/9/90LF	1805010000	50
10	SL-SMT 3.5/10/90LF	1805020000	50
11	SL-SMT 3.5/11/90LF	1805030000	50
12	SL-SMT 3.5/12/90LF	1805040000	50
13	SL-SMT 3.5/13/90LF	1805050000	50
14	SL-SMT 3.5/14/90LF	1805060000	50
15	SL-SMT 3.5/15/90LF	1805070000	50
16	SL-SMT 3.5/16/90LF	1805080000	50
17	SL-SMT 3.5/17/90LF	1805090000	20
18	SL-SMT 3.5/18/90LF	1805100000	20
19	SL-SMT 3.5/19/90LF	1805110000	20
20	SL-SMT 3.5/20/90LF	1805120000	20
21	SL-SMT 3.5/21/90LF	1805130000	20
22	SL-SMT 3.5/22/90LF	1805140000	20
23	SL-SMT 3.5/23/90LF	1805150000	20
24	SL-SMT 3.5/24/90LF	1805160000	20

For detailed product and application information for SMT see chapter "Other Applications" page 180-188.

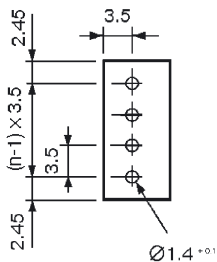
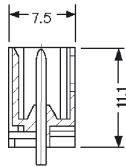
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# Omnimate Range - Pitch 3.50 mm



Pin headers SL-SMT 3.5/180G

**new**



Technical Data	VDE	UL	CSA
Rated voltage	V	160*	300 300
Rated current	A	13	10 10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

Technical Data	VDE	UL	CSA
Rated voltage	V	160*	300 300
Rated current	A	13	10 10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

Technical Data	VDE	UL	CSA
Rated voltage	V	160*	300 300
Rated current	A	13	10 10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

Solder pin length 1.5 mm

Tape-on-Reel

Colour

Tape width

Poles	Type	56 mm Cat. No.	32 mm Cat. No.	Qty.
2	SL-SMT 3.5/2/180G	1752984001	1752984002	200
3	SL-SMT 3.5/3/180G	1752994001	1752994002	200
4	SL-SMT 3.5/4/180G	1753004001	1753004002	200
5	SL-SMT 3.5/5/180G	1753014001	1753014002	200
6	SL-SMT 3.5/6/180G	1753024001	-	200
7	SL-SMT 3.5/7/180G	1753034001	-	200
8	SL-SMT 3.5/8/180G	1753044001	-	200
9	SL-SMT 3.5/9/180G	1753054001	-	200
10	SL-SMT 3.5/10/180G	1753064001	-	200
11	SL-SMT 3.5/11/180G	1753074001	-	200

For detailed product and application information for SMT see chapter "Other Applications" page 180-188.

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Miscellaneous	-

Solder pin length 1.5 mm

Tray

Colour

Poles	Type	Cat. No.	Qty.
2	SL-SMT 3.5/2/180G	1752983001	108
3	SL-SMT 3.5/3/180G	1752993001	108
4	SL-SMT 3.5/4/180G	1753003001	96
5	SL-SMT 3.5/5/180G	1753013001	78
6	SL-SMT 3.5/6/180G	1753023001	66
7	SL-SMT 3.5/7/180G	1753033001	60
8	SL-SMT 3.5/8/180G	1753043001	54
9	SL-SMT 3.5/9/180G	1753053001	48
10	SL-SMT 3.5/10/180G	1753063001	42
11	SL-SMT 3.5/11/180G	1753073001	36
12	SL-SMT 3.5/12/180G	1753083001	36
13	SL-SMT 3.5/13/180G	1753093001	30
14	SL-SMT 3.5/14/180G	1753103001	30
15	SL-SMT 3.5/15/180G	1753113001	30
16	SL-SMT 3.5/16/180G	1753123001	24
17	SL-SMT 3.5/17/180G	1753133001	24
18	SL-SMT 3.5/18/180G	1753143001	24
19	SL-SMT 3.5/19/180G	1753153001	24
20	SL-SMT 3.5/20/180G	1753163001	18
21	SL-SMT 3.5/21/180G	1753173001	18
22	SL-SMT 3.5/22/180G	1753183001	18
23	SL-SMT 3.5/23/180G	1753193001	18
24	SL-SMT 3.5/24/180G	1753203001	18

For detailed product and application information for SMT see chapter "Other Applications" page 180-188.

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Solder pin length 1.5 mm

Standard Box

Colour

Poles	Type	Cat. No.	Qty.
2	SL-SMT 3.5/2/180G	1752982001	100
3	SL-SMT 3.5/3/180G	1752992001	100
4	SL-SMT 3.5/4/180G	1753002001	100
5	SL-SMT 3.5/5/180G	1753012001	50
6	SL-SMT 3.5/6/180G	1753022001	50
7	SL-SMT 3.5/7/180G	1753032001	50
8	SL-SMT 3.5/8/180G	1753042001	50
9	SL-SMT 3.5/9/180G	1753052001	50
10	SL-SMT 3.5/10/180G	1753062001	50
11	SL-SMT 3.5/11/180G	1753072001	50
12	SL-SMT 3.5/12/180G	1753082001	50
13	SL-SMT 3.5/13/180G	1753092001	50
14	SL-SMT 3.5/14/180G	1753102001	50
15	SL-SMT 3.5/15/180G	1753112001	50
16	SL-SMT 3.5/16/180G	1753122001	50
17	SL-SMT 3.5/17/180G	1753132001	20
18	SL-SMT 3.5/18/180G	1753142001	20
19	SL-SMT 3.5/19/180G	1753152001	20
20	SL-SMT 3.5/20/180G	1753162001	20
21	SL-SMT 3.5/21/180G	1753172001	20
22	SL-SMT 3.5/22/180G	1753182001	20
23	SL-SMT 3.5/23/180G	1753192001	20
24	SL-SMT 3.5/24/180G	1753202001	20

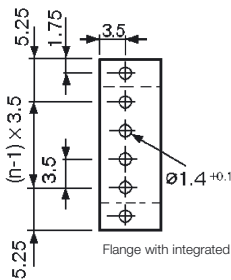
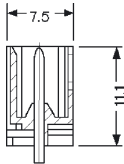
For detailed product and application information for SMT see chapter "Other Applications" page 180-188.

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## Pin headers SL-SMT 3.5/180LF

**new**



Technical Data	VDE	UL	CSA
Rated voltage	V	160*	300 300
Rated current	A	13	10 10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

Technical Data	VDE	UL	CSA
Rated voltage	V	160*	300 300
Rated current	A	13	10 10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

Technical Data	VDE	UL	CSA
Rated voltage	V	160*	300 300
Rated current	A	13	10 10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

Solder pin length 1.5 mm

Tape-on-Reel

Colour

Tape width 56 mm 32 mm

Poles	Type	Cat. No.	Cat. No.	Qty.
2	SL-SMT 3.5/2/180LF	-	1805210000	200
3	SL-SMT 3.5/3/180LF	-	1805230000	200
4	SL-SMT 3.5/4/180LF	1805240000	-	200
5	SL-SMT 3.5/5/180LF	1805250000	-	200
6	SL-SMT 3.5/6/180LF	1805270000	-	200
7	SL-SMT 3.5/7/180LF	1805280000	-	200
8	SL-SMT 3.5/8/180LF	1805290000	-	200
9	SL-SMT 3.5/9/180LF	1805300000	-	200
10	SL-SMT 3.5/10/180LF	on request	-	36
11	SL-SMT 3.5/11/180LF	on request	-	30
12	SL-SMT 3.5/12/180LF	on request	-	30
13	SL-SMT 3.5/13/180LF	on request	-	30
14	SL-SMT 3.5/14/180LF	on request	-	24
15	SL-SMT 3.5/15/180LF	on request	-	24
16	SL-SMT 3.5/16/180LF	on request	-	24
17	SL-SMT 3.5/17/180LF	on request	-	24
18	SL-SMT 3.5/18/180LF	on request	-	18
19	SL-SMT 3.5/19/180LF	on request	-	18
20	SL-SMT 3.5/20/180LF	on request	-	18
21	SL-SMT 3.5/21/180LF	on request	-	18
22	SL-SMT 3.5/22/180LF	on request	-	18
23	SL-SMT 3.5/23/180LF	on request	-	18
24	SL-SMT 3.5/24/180LF	on request	-	18

For detailed product and application information for SMT see chapter "Other Applications" page 180-188.

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Solder pin length 1.5 mm

Tray

Colour

Poles	Type	Cat. No.	Qty.
2	SL-SMT 3.5/2/180LF	on request	96
3	SL-SMT 3.5/3/180LF	on request	78
4	SL-SMT 3.5/4/180LF	on request	66
5	SL-SMT 3.5/5/180LF	on request	60
6	SL-SMT 3.5/6/180LF	on request	54
7	SL-SMT 3.5/7/180LF	on request	48
8	SL-SMT 3.5/8/180LF	on request	42
9	SL-SMT 3.5/9/180LF	on request	36
10	SL-SMT 3.5/10/180LF	on request	36
11	SL-SMT 3.5/11/180LF	on request	30
12	SL-SMT 3.5/12/180LF	on request	30
13	SL-SMT 3.5/13/180LF	on request	30
14	SL-SMT 3.5/14/180LF	on request	24
15	SL-SMT 3.5/15/180LF	on request	24
16	SL-SMT 3.5/16/180LF	on request	24
17	SL-SMT 3.5/17/180LF	on request	24
18	SL-SMT 3.5/18/180LF	on request	18
19	SL-SMT 3.5/19/180LF	on request	18
20	SL-SMT 3.5/20/180LF	on request	18
21	SL-SMT 3.5/21/180LF	on request	18
22	SL-SMT 3.5/22/180LF	on request	18
23	SL-SMT 3.5/23/180LF	on request	18
24	SL-SMT 3.5/24/180LF	on request	18

For detailed product and application information for SMT see chapter "Other Applications" page 180-188.

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Fixing	integrated in product
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Solder pin length 1.5 mm

Standard Box

Colour

Poles	Type	Cat. No.	Qty.
2	SL-SMT 3.5/2/180LF	1804700000	100
3	SL-SMT 3.5/3/180LF	1804710000	100
4	SL-SMT 3.5/4/180LF	1804720000	100
5	SL-SMT 3.5/5/180LF	1804730000	50
6	SL-SMT 3.5/6/180LF	1804740000	50
7	SL-SMT 3.5/7/180LF	1804750000	50
8	SL-SMT 3.5/8/180LF	1804760000	50
9	SL-SMT 3.5/9/180LF	1804770000	50
10	SL-SMT 3.5/10/180LF	1804780000	50
11	SL-SMT 3.5/11/180LF	1804790000	50
12	SL-SMT 3.5/12/180LF	1804800000	50
13	SL-SMT 3.5/13/180LF	1804810000	50
14	SL-SMT 3.5/14/180LF	1804820000	50
15	SL-SMT 3.5/15/180LF	1804830000	50
16	SL-SMT 3.5/16/180LF	1804840000	50
17	SL-SMT 3.5/17/180LF	1804850000	20
18	SL-SMT 3.5/18/180LF	1804860000	20
19	SL-SMT 3.5/19/180LF	1804870000	20
20	SL-SMT 3.5/20/180LF	1804890000	20
21	SL-SMT 3.5/21/180LF	1804900000	20
22	SL-SMT 3.5/22/180LF	1804910000	20
23	SL-SMT 3.5/23/180LF	1804920000	20
24	SL-SMT 3.5/24/180LF	1804930000	20

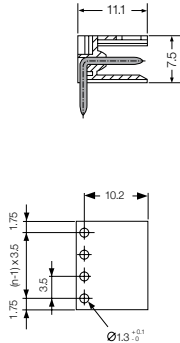
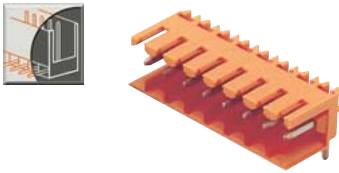
For detailed product and application information for SMT see chapter "Other Applications" page 180-188.

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# Omnimate Range - Pitch 3.50 mm



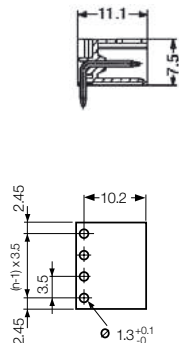
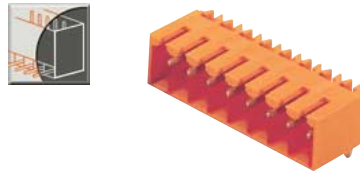
## Pin headers SL 3.5/90



Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	12	10	10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

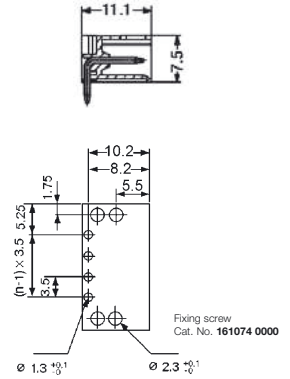
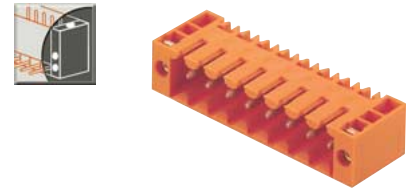
## Pin headers SL 3.5/90G



Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	12	10	10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

## Pin headers SL 3.5/90F



Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	12	10	10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

Solder pin length		3.2 mm	4.5 mm		
Colour		●	●		
Poles	Type	Cat. No.	Cat. No.	Qty.	
2	SL 3.5/2/90	1597210000	1614130000	100	
3	SL 3.5/3/90	1597220000	1615300000	100	
4	SL 3.5/4/90	1597230000	1615310000	100	
5	SL 3.5/5/90	1597240000	1615320000	50	
6	SL 3.5/6/90	1597250000	1615330000	50	
7	SL 3.5/7/90	1597260000	1615340000	50	
8	SL 3.5/8/90	1597270000	1614140000	50	
9	SL 3.5/9/90	1597280000	1615350000	50	
10	SL 3.5/10/90	1597290000	1615360000	50	
11	SL 3.5/11/90	1597300000	1615370000	50	
12	SL 3.5/12/90	1597310000	1615380000	50	
13	SL 3.5/13/90	1597320000	1615390000	50	
14	SL 3.5/14/90	1597330000	1615400000	50	
15	SL 3.5/15/90	1597340000	1615410000	50	
16	SL 3.5/16/90	1597350000	1614150000	50	
17	SL 3.5/17/90	1618990000	1617820000	20	
18	SL 3.5/18/90	1619000000	1617830000	20	
19	SL 3.5/19/90	1619010000	1617840000	20	
20	SL 3.5/20/90	1619020000	1617850000	20	
21	SL 3.5/21/90	1619030000	1617860000	20	
22	SL 3.5/22/90	1619040000	1617870000	20	
23	SL 3.5/23/90	1619050000	1617880000	20	
24	SL 3.5/24/90	1619060000	1617890000	20	

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Solder pin length		3.2 mm	4.5 mm		
Colour		●	●		
Poles	Type	Cat. No.	Cat. No.	Qty.	
2	SL 3.5/2/90G	1605070000	1614160000	100	
3	SL 3.5/3/90G	1605080000	1615420000	100	
4	SL 3.5/4/90G	1605090000	1615430000	100	
5	SL 3.5/5/90G	1605100000	1614170000	50	
6	SL 3.5/6/90G	1605110000	1615440000	50	
7	SL 3.5/7/90G	1605120000	1615450000	50	
8	SL 3.5/8/90G	1605130000	1614180000	50	
9	SL 3.5/9/90G	1605140000	1615460000	50	
10	SL 3.5/10/90G	1605150000	1615470000	50	
11	SL 3.5/11/90G	1605160000	1615480000	50	
12	SL 3.5/12/90G	1605170000	1615490000	50	
13	SL 3.5/13/90G	1605180000	1615500000	50	
14	SL 3.5/14/90G	1605190000	1615510000	50	
15	SL 3.5/15/90G	1605200000	1615520000	50	
16	SL 3.5/16/90G	1605210000	1614190000	50	
17	SL 3.5/17/90G	1619380000	1617980000	20	
18	SL 3.5/18/90G	1619390000	1617990000	20	
19	SL 3.5/19/90G	1619400000	1618000000	20	
20	SL 3.5/20/90G	1619410000	1618010000	20	
21	SL 3.5/21/90G	1619420000	1618020000	20	
22	SL 3.5/22/90G	1619430000	1618030000	20	
23	SL 3.5/23/90G	1619440000	1618040000	20	
24	SL 3.5/24/90G	1619450000	1618050000	20	

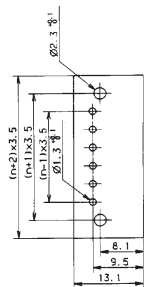
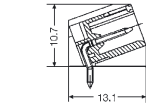
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Solder pin length		3.2 mm	4.5 mm		
Colour		●	●		
Poles	Type	Cat. No.	Cat. No.	Qty.	
2	SL 3.5/2/90F	1607040000	1615530000	100	
3	SL 3.5/3/90F	1607050000	1615540000	100	
4	SL 3.5/4/90F	1607060000	1615550000	100	
5	SL 3.5/5/90F	1607070000	1615560000	50	
6	SL 3.5/6/90F	1607080000	1615570000	50	
7	SL 3.5/7/90F	1607090000	1615580000	50	
8	SL 3.5/8/90F	1607100000	1614200000	50	
9	SL 3.5/9/90F	1607110000	1615590000	50	
10	SL 3.5/10/90F	1607120000	1615600000	50	
11	SL 3.5/11/90F	1607130000	1615610000	50	
12	SL 3.5/12/90F	1607140000	1615620000	50	
13	SL 3.5/13/90F	1607150000	1615630000	50	
14	SL 3.5/14/90F	1607160000	1615640000	50	
15	SL 3.5/15/90F	1607170000	1615650000	50	
16	SL 3.5/16/90F	1607180000	1615660000	50	
17	SL 3.5/17/90F	1619770000	1618280000	20	
18	SL 3.5/18/90F	1619780000	1618290000	20	
19	SL 3.5/19/90F	1619790000	1618300000	20	
20	SL 3.5/20/90F	1619800000	1618310000	20	
21	SL 3.5/21/90F	1619810000	1618320000	20	
22	SL 3.5/22/90F	1619820000	1618330000	20	
23	SL 3.5/23/90F	1619830000	1618340000	20	
24	SL 3.5/24/90F	1619840000	1618350000	20	

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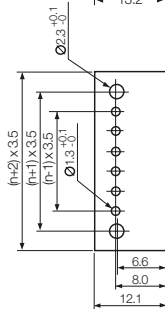
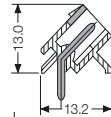


Pin headers SL 3.5/110



Fixing screw  
Cat. No. 161074 0000

Pin headers SL 3.5/135



Fixing screw  
Cat. No. 161074 0000



Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	12	10	10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	12	10	10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

Solder pin length      3.2 mm      4.5 mm

Colour            

Poles	Type	Cat. No.	Cat. No.	Qty.
2	SL 3.5/2/110	1644040000	1644500000	100
3	SL 3.5/3/110	1644050000	1644510000	100
4	SL 3.5/4/110	1644060000	1644520000	100
5	SL 3.5/5/110	1644070000	1644530000	50
6	SL 3.5/6/110	1644080000	1644540000	50
7	SL 3.5/7/110	1644090000	1644550000	50
8	SL 3.5/8/110	1644100000	1644560000	50
9	SL 3.5/9/110	1644110000	1644570000	50
10	SL 3.5/10/110	1644120000	1644580000	50
11	SL 3.5/11/110	1644130000	1644590000	50
12	SL 3.5/12/110	1644140000	1644600000	50
13	SL 3.5/13/110	1644150000	1644610000	50
14	SL 3.5/14/110	1644160000	1644620000	50
15	SL 3.5/15/110	1644170000	1644630000	50
16	SL 3.5/16/110	1644180000	1644640000	50
17	SL 3.5/17/110	1644190000	1644650000	20
18	SL 3.5/18/110	1644200000	1644660000	20
19	SL 3.5/19/110	1644210000	1644670000	20
20	SL 3.5/20/110	1644220000	1644680000	20
21	SL 3.5/21/110	1644230000	1644690000	20
22	SL 3.5/22/110	1644240000	1644700000	20
23	SL 3.5/23/110	1644250000	1644710000	20
24	SL 3.5/24/110	1644260000	1644720000	20

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Miscellaneous	-

Solder pin length      3.2 mm      4.5 mm

Colour            

Poles	Type	Cat. No.	Cat. No.	Qty.
2	SL 3.5/2/135	1643330000	1643810000	100
3	SL 3.5/3/135	1643340000	1643820000	100
4	SL 3.5/4/135	1643350000	1643830000	100
5	SL 3.5/5/135	1643360000	1643840000	50
6	SL 3.5/6/135	1643370000	1643850000	50
7	SL 3.5/7/135	1643380000	1643860000	50
8	SL 3.5/8/135	1643390000	1643870000	50
9	SL 3.5/9/135	1643400000	1643880000	50
10	SL 3.5/10/135	1643410000	1643890000	50
11	SL 3.5/11/135	1643420000	1643900000	50
12	SL 3.5/12/135	1643430000	1643910000	50
13	SL 3.5/13/135	1643440000	1643920000	50
14	SL 3.5/14/135	1643450000	1643930000	50
15	SL 3.5/15/135	1643460000	1643940000	50
16	SL 3.5/16/135	1643470000	1643950000	50
17	SL 3.5/17/135	1643480000	1643960000	20
18	SL 3.5/18/135	1643490000	1643970000	20
19	SL 3.5/19/135	1643500000	1643980000	20
20	SL 3.5/20/135	1643510000	1643990000	20
21	SL 3.5/21/135	1643520000	1644000000	20
22	SL 3.5/22/135	1643530000	1644010000	20
23	SL 3.5/23/135	1643540000	1644020000	20
24	SL 3.5/24/135	1643550000	1644030000	20

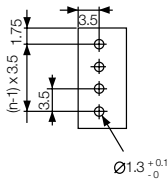
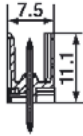
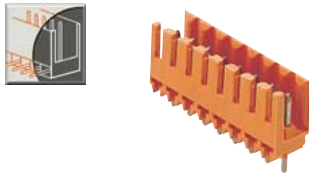
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# Omnimate Range - Pitch 3.50 mm



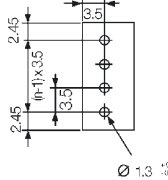
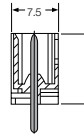
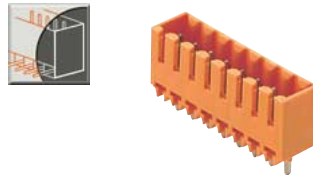
## Pin headers SL 3.5/180



Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	12	10	10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

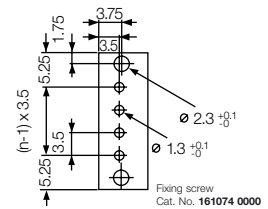
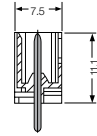
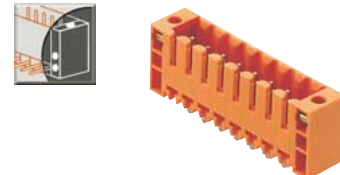
## Pin headers SL 3.5/180G



Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	12	10	10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

## Pin headers SL 3.5/180F



Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	12	10	10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 211

Solder pin length      3.2 mm      4.5 mm

Colour          

Poles	Type	Cat. No.	Cat. No.	Qty.
2	SL 3.5/2/180	1604770000	1614210000	100
3	SL 3.5/3/180	1604780000	1615930000	100
4	SL 3.5/4/180	1604790000	1615940000	100
5	SL 3.5/5/180	1604800000	1615950000	50
6	SL 3.5/6/180	1604810000	1610150000	50
7	SL 3.5/7/180	1604820000	1610160000	50
8	SL 3.5/8/180	1604830000	1614220000	50
9	SL 3.5/9/180	1604840000	1615960000	50
10	SL 3.5/10/180	1604850000	1610170000	50
11	SL 3.5/11/180	1604860000	1615970000	50
12	SL 3.5/12/180	1604870000	1615980000	50
13	SL 3.5/13/180	1604880000	1615990000	50
14	SL 3.5/14/180	1604890000	1616000000	50
15	SL 3.5/15/180	1604900000	1616010000	50
16	SL 3.5/16/180	1604910000	1614230000	50
17	SL 3.5/17/180	1621400000	1618450000	20
18	SL 3.5/18/180	1621410000	1618460000	20
19	SL 3.5/19/180	1621420000	1618470000	20
20	SL 3.5/20/180	1621430000	1618480000	20
21	SL 3.5/21/180	1621440000	1618490000	20
22	SL 3.5/22/180	1621450000	1618500000	20
23	SL 3.5/23/180	1621460000	1618510000	20
24	SL 3.5/24/180	1621470000	1618520000	20

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Coding	199
Miscellaneous	-

Solder pin length      3.2 mm      4.5 mm

Colour          

Poles	Type	Cat. No.	Cat. No.	Qty.
2	SL 3.5/2/180G	1604470000	1614240000	100
3	SL 3.5/3/180G	1604480000	1616020000	100
4	SL 3.5/4/180G	1604490000	1616030000	100
5	SL 3.5/5/180G	1604500000	1616040000	50
6	SL 3.5/6/180G	1604510000	1616050000	50
7	SL 3.5/7/180G	1604520000	1616060000	50
8	SL 3.5/8/180G	1604530000	1614250000	50
9	SL 3.5/9/180G	1604540000	1616070000	50
10	SL 3.5/10/180G	1604550000	1616080000	50
11	SL 3.5/11/180G	1604560000	1616090000	50
12	SL 3.5/12/180G	1604570000	1616100000	50
13	SL 3.5/13/180G	1604580000	1616110000	50
14	SL 3.5/14/180G	1604590000	1616120000	50
15	SL 3.5/15/180G	1604600000	1616130000	50
16	SL 3.5/16/180G	1604610000	1614260000	50
17	SL 3.5/17/180G	1621790000	1618610000	20
18	SL 3.5/18/180G	1621800000	1618620000	20
19	SL 3.5/19/180G	1621810000	1618630000	20
20	SL 3.5/20/180G	1621820000	1618640000	20
21	SL 3.5/21/180G	1621830000	1618650000	20
22	SL 3.5/22/180G	1621840000	1618660000	20
23	SL 3.5/23/180G	1621850000	1618670000	20
24	SL 3.5/24/180G	1621860000	1618680000	20

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Miscellaneous	-

Solder pin length      3.2 mm      4.5 mm

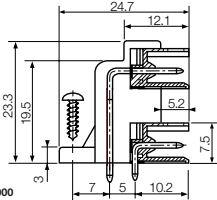
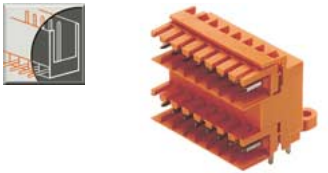
Colour          

Poles	Type	Cat. No.	Cat. No.	Qty.
2	SL 3.5/2/180F	1607500000	1616140000	100
3	SL 3.5/3/180F	1607510000	1616150000	100
4	SL 3.5/4/180F	1607520000	1616160000	100
5	SL 3.5/5/180F	1607530000	1616170000	50
6	SL 3.5/6/180F	1607540000	1616180000	50
7	SL 3.5/7/180F	1607550000	1616190000	50
8	SL 3.5/8/180F	1607560000	1614270000	50
9	SL 3.5/9/180F	1607570000	1616200000	50
10	SL 3.5/10/180F	1607580000	1616210000	50
11	SL 3.5/11/180F	1607590000	1616220000	50
12	SL 3.5/12/180F	1607600000	1616230000	50
13	SL 3.5/13/180F	1607610000	1616240000	50
14	SL 3.5/14/180F	1607620000	1616250000	50
15	SL 3.5/15/180F	1607630000	1616260000	50
16	SL 3.5/16/180F	1607640000	1616270000	50
17	SL 3.5/17/180F	1622180000	1618910000	20
18	SL 3.5/18/180F	1622190000	1618920000	20
19	SL 3.5/19/180F	1622200000	1618930000	20
20	SL 3.5/20/180F	1622210000	1618940000	20
21	SL 3.5/21/180F	1622220000	1618950000	20
22	SL 3.5/22/180F	1622230000	1618960000	20
23	SL 3.5/23/180F	1622240000	1618970000	20
24	SL 3.5/24/180F	1622250000	1618980000	20

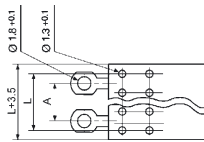
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Miscellaneous	-



## Pin headers SLD 3.5/90



Fixing screw  
Cat. No. 164096 0000

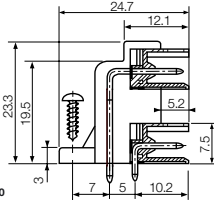
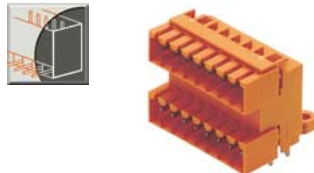


$L = (n/2 - 1) \times 3.5$   
A = see page 239

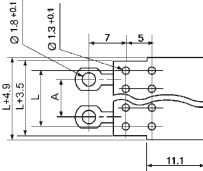
Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	8	10	10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 212

## Pin headers SLD 3.5/90G



Fixing screw  
Cat. No. 164096 0000

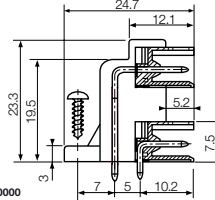
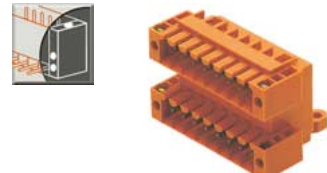


$L = (n/2 - 1) \times 3.5$   
A = see page 239

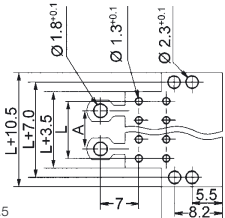
Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	8	10	10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 212

## Pin headers SLD 3.5/90F



Fixing screw  
Cat. No. 164096 0000



$L = (n/2 - 1) \times 3.5$   
A = see page 239

Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	8	10	10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 212

Solder pin length		3.2 mm	4.5 mm		
Colour					
Poles	Type	Cat. No.	Cat. No.	Qty.	
4	SLD 3.5/4/90	1633350000	1634040000	50	
6	SLD 3.5/6/90	1633360000	1634050000	50	
8	SLD 3.5/8/90	1633370000	1634060000	50	
10	SLD 3.5/10/90	1633380000	1634070000	50	
12	SLD 3.5/12/90	1633390000	1634080000	50	
14	SLD 3.5/14/90	1633400000	1634090000	20	
16	SLD 3.5/16/90	1633410000	1634100000	20	
18	SLD 3.5/18/90	1633420000	1634110000	20	
20	SLD 3.5/20/90	1633430000	1634120000	20	
22	SLD 3.5/22/90	1633440000	1634130000	10	
24	SLD 3.5/24/90	1633450000	1634140000	10	
26	SLD 3.5/26/90	1633460000	1634150000	10	
28	SLD 3.5/28/90	1633470000	1634160000	10	
30	SLD 3.5/30/90	1633480000	1634170000	10	
32	SLD 3.5/32/90	1633490000	1634180000	10	
34	SLD 3.5/34/90	1633500000	1634190000	10	
36	SLD 3.5/36/90	1633510000	1634200000	10	
38	SLD 3.5/38/90	1633520000	1634210000	10	
40	SLD 3.5/40/90	1633530000	1634220000	10	
42	SLD 3.5/42/90	1633540000	1634230000	10	
44	SLD 3.5/44/90	1633550000	1634240000	10	
46	SLD 3.5/46/90	1633560000	1634250000	10	
48	SLD 3.5/48/90	1633570000	1634260000	10	

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Solder pin length		3.2 mm	4.5 mm		
Colour					
Poles	Type	Cat. No.	Cat. No.	Qty.	
4	SLD 3.5/4/90G	1633580000	1634270000	50	
6	SLD 3.5/6/90G	1633590000	1634280000	50	
8	SLD 3.5/8/90G	1633600000	1634290000	50	
10	SLD 3.5/10/90G	1633610000	1634300000	50	
12	SLD 3.5/12/90G	1633620000	1634310000	50	
14	SLD 3.5/14/90G	1633630000	1634320000	20	
16	SLD 3.5/16/90G	1633640000	1634330000	20	
18	SLD 3.5/18/90G	1633650000	1634340000	20	
20	SLD 3.5/20/90G	1633660000	1634350000	20	
22	SLD 3.5/22/90G	1633670000	1634360000	10	
24	SLD 3.5/24/90G	1633680000	1634370000	10	
26	SLD 3.5/26/90G	1633690000	1634380000	10	
28	SLD 3.5/28/90G	1633700000	1634390000	10	
30	SLD 3.5/30/90G	1633710000	1634400000	10	
32	SLD 3.5/32/90G	1633720000	1634410000	10	
34	SLD 3.5/34/90G	1633730000	1634420000	10	
36	SLD 3.5/36/90G	1633740000	1634430000	10	
38	SLD 3.5/38/90G	1633750000	1634440000	10	
40	SLD 3.5/40/90G	1633760000	1634450000	10	
42	SLD 3.5/42/90G	1633770000	1634460000	10	
44	SLD 3.5/44/90G	1633780000	1634470000	10	
46	SLD 3.5/46/90G	1633790000	1634480000	10	
48	SLD 3.5/48/90G	1633800000	1634490000	10	

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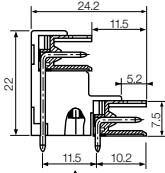
Solder pin length		3.2 mm	4.5 mm		
Colour					
Poles	Type	Cat. No.	Cat. No.	Qty.	
4	SLD 3.5/4/90F	1633810000	1634500000	50	
6	SLD 3.5/6/90F	1633820000	1634510000	50	
8	SLD 3.5/8/90F	1633830000	1634520000	50	
10	SLD 3.5/10/90F	1633840000	1634530000	50	
12	SLD 3.5/12/90F	1633850000	1634540000	50	
14	SLD 3.5/14/90F	1633860000	1634550000	20	
16	SLD 3.5/16/90F	1633870000	1634560000	20	
18	SLD 3.5/18/90F	1633880000	1634570000	20	
20	SLD 3.5/20/90F	1633890000	1634580000	20	
22	SLD 3.5/22/90F	1633900000	1634590000	10	
24	SLD 3.5/24/90F	1633910000	1634600000	10	
26	SLD 3.5/26/90F	1633920000	1634610000	10	
28	SLD 3.5/28/90F	1633930000	1634620000	10	
30	SLD 3.5/30/90F	1633940000	1634630000	10	
32	SLD 3.5/32/90F	1633950000	1634640000	10	
34	SLD 3.5/34/90F	1633960000	1634650000	10	
36	SLD 3.5/36/90F	1633970000	1634660000	10	
38	SLD 3.5/38/90F	1633980000	1634670000	10	
40	SLD 3.5/40/90F	1633990000	1634680000	10	
42	SLD 3.5/42/90F	1634000000	1634690000	10	
44	SLD 3.5/44/90F	1634010000	1634700000	10	
46	SLD 3.5/46/90F	1634020000	1634710000	10	
48	SLD 3.5/48/90F	1634030000	1634720000	10	

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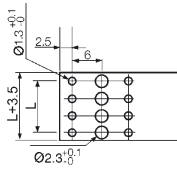
# Omnimate Range - Pitch 3.5 mm



## Pin headers SLD 3.5V/90



Fixing screw  
Cat. No. 164096 0000





$L = (n/2-1) \times 3.5$

Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	8	10	10

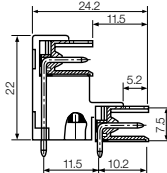
\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 212

Solder pin length **3.2 mm** **4.5 mm**

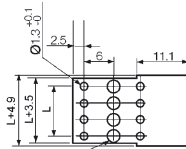
Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
4	SLD 3.5 V/4/90	1642090000	1642620000	50
8	SLD 3.5 V/8/90	1642100000	1642630000	50
12	SLD 3.5 V/12/90	1642110000	1642640000	50
16	SLD 3.5 V/16/90	1642120000	1642650000	50
20	SLD 3.5 V/20/90	1642130000	1642660000	20
24	SLD 3.5 V/24/90	1642140000	1642670000	20
28	SLD 3.5 V/28/90	1642150000	1642680000	10
32	SLD 3.5 V/32/90	1642160000	1642690000	10
36	SLD 3.5 V/36/90	1642170000	1642700000	10
40	SLD 3.5 V/40/90	1642180000	1642710000	10
44	SLD 3.5 V/44/90	1642190000	1642720000	10
48	SLD 3.5 V/48/90	1642200000	1642730000	10

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## Pin headers SLD 3.5V/90G



Fixing screw  
Cat. No. 164096 0000





$L = (n/2-1) \times 3.5$

Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	8	10	10

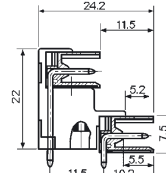
\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 212

Solder pin length **3.2 mm** **4.5 mm**

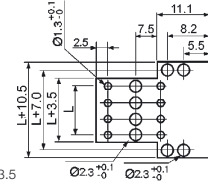
Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
4	SLD 3.5 V/4/90G	1642240000	1642860000	50
8	SLD 3.5 V/8/90G	1642250000	1642870000	50
12	SLD 3.5 V/12/90G	1642260000	1642880000	50
16	SLD 3.5 V/16/90G	1642270000	1642890000	50
20	SLD 3.5 V/20/90G	1642280000	1642900000	20
24	SLD 3.5 V/24/90G	1642290000	1642910000	20
28	SLD 3.5 V/28/90G	1642300000	1642920000	10
32	SLD 3.5 V/32/90G	1642310000	1642930000	10
36	SLD 3.5 V/36/90G	1642320000	1642940000	10
40	SLD 3.5 V/40/90G	1642330000	1642950000	10
44	SLD 3.5 V/44/90G	1642340000	1642960000	10
48	SLD 3.5 V/48/90G	1642350000	1642970000	10

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## Pin headers SLD 3.5V/90F



Fixing screw  
Cat. No. 164096 0000





$L = (n/2-1) \times 3.5$

Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	8	10	10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 212

Solder pin length **3.2 mm** **4.5 mm**

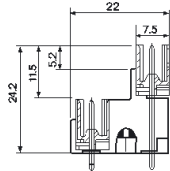
Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
4	SLD 3.5 V/4/90F	1642370000	1643100000	50
8	SLD 3.5 V/8/90F	1642380000	1643110000	50
12	SLD 3.5 V/12/90F	1642390000	1643120000	50
16	SLD 3.5 V/16/90F	1642400000	1643130000	20
20	SLD 3.5 V/20/90F	1642410000	1643140000	20
24	SLD 3.5 V/24/90F	1642420000	1643150000	10
28	SLD 3.5 V/28/90F	1642430000	1643160000	10
32	SLD 3.5 V/32/90F	1642440000	1643170000	10
36	SLD 3.5 V/36/90F	1642450000	1643180000	10
40	SLD 3.5 V/40/90F	1642460000	1643190000	10
44	SLD 3.5 V/44/90F	1642470000	1643200000	10
48	SLD 3.5 V/48/90F	1642480000	1643210000	10

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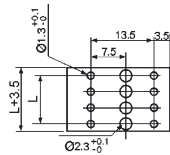
# Omnimate Range - Pitch 3.50 mm



## Pin headers SLD 3.5V/180



Fixing screw  
Cat. No. 164096 0000

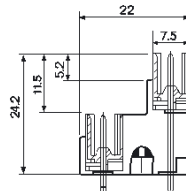


$L = (n/2-1) \times 3.5$

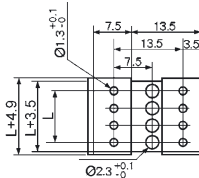
Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	8	10	10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 212

## Pin headers SLD 3.5V/180G



Fixing screw  
Cat. No. 164096 0000

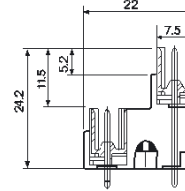


$L = (n/2-1) \times 3.5$

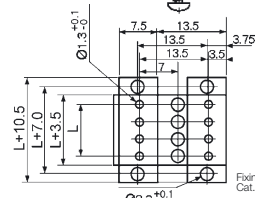
Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	8	10	10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 212

## Pin headers SLD 3.5V/180F



Fixing screw  
Cat. No. 164096 0000



$L = (n/2-1) \times 3.5$

Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	8	10	10

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 212

Omnimate Range  
Pitch 3.50 mm

Solder pin length		3.2 mm	4.5 mm		
Colour					
Poles	Type	Cat. No.	Cat. No.	Qty.	
4	SLD 3.5 V/4/180	1640980000	1641490000	50	
8	SLD 3.5 V/8/180	1640990000	1641500000	50	
12	SLD 3.5 V/12/180	1641000000	1641510000	50	
16	SLD 3.5 V/16/180	1641010000	1641520000	20	
20	SLD 3.5 V/20/180	1641020000	1641530000	20	
24	SLD 3.5 V/24/180	1641030000	1641540000	10	
28	SLD 3.5 V/28/180	1641040000	1641550000	10	
32	SLD 3.5 V/32/180	1641050000	1641560000	10	
36	SLD 3.5 V/36/180	1641060000	1641570000	10	
40	SLD 3.5 V/40/180	1641070000	1641580000	10	
44	SLD 3.5 V/44/180	1641080000	1641590000	10	
48	SLD 3.5 V/48/180	1641090000	1641600000	10	

Solder pin length		3.2 mm	4.5 mm		
Colour					
Poles	Type	Cat. No.	Cat. No.	Qty.	
4	SLD 3.5 V/4/180G	1641110000	1641730000	50	
8	SLD 3.5 V/8/180G	1641120000	1641740000	50	
12	SLD 3.5 V/12/180G	1641130000	1641750000	50	
16	SLD 3.5 V/16/180G	1641140000	1641760000	20	
20	SLD 3.5 V/20/180G	1641150000	1641770000	20	
24	SLD 3.5 V/24/180G	1641160000	1641780000	10	
28	SLD 3.5 V/28/180G	1641170000	1641790000	10	
32	SLD 3.5 V/32/180G	1641180000	1641800000	10	
36	SLD 3.5 V/36/180G	1641190000	1641810000	10	
40	SLD 3.5 V/40/180G	1641200000	1641820000	10	
44	SLD 3.5 V/44/180G	1641210000	1641830000	10	
48	SLD 3.5 V/48/180G	1641220000	1641840000	10	

Solder pin length		3.2 mm	4.5 mm		
Colour					
Poles	Type	Cat. No.	Cat. No.	Qty.	
4	SLD 3.5 V/4/180F	1641240000	1641970000	50	
8	SLD 3.5 V/8/180F	1641250000	1641980000	50	
12	SLD 3.5 V/12/180F	1641260000	1641990000	50	
16	SLD 3.5 V/16/180F	1641270000	1642000000	20	
20	SLD 3.5 V/20/180F	1641280000	1642010000	20	
24	SLD 3.5 V/24/180F	1641290000	1642020000	10	
28	SLD 3.5 V/28/180F	1641300000	1642030000	10	
32	SLD 3.5 V/32/180F	1641310000	1642040000	10	
36	SLD 3.5 V/36/180F	1641320000	1642050000	10	
40	SLD 3.5 V/40/180F	1641330000	1642060000	10	
44	SLD 3.5 V/44/180F	1641340000	1642070000	10	
48	SLD 3.5 V/48/180F	1641350000	1642080000	10	

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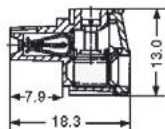
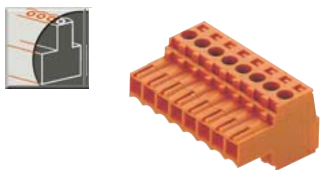
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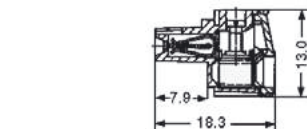
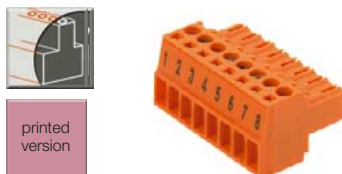
# Omnimate Range - Pitch 3.5 mm



## Socket blocks BL 3.5

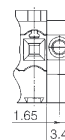
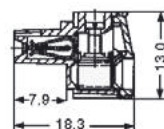
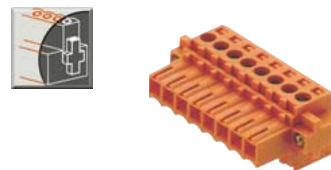


## Socket blocks BL 3.5 PRINT



printed version

## Socket blocks BL 3.5F



Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	12	10	10
Clamping range max.	mm <sup>2</sup> /AWG	1.5	14	14

\*Overvoltage category III / Pollution severity 3

Additional technical data see page 213

Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	12	10	10
Clamping range max.	mm <sup>2</sup> /AWG	1.5	14	14

\*Overvoltage category III / Pollution severity 3

Additional technical data see page 213

Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	12	10	10
Clamping range max.	mm <sup>2</sup> /AWG	1.5	14	14

\*Overvoltage category III / Pollution severity 3

Additional technical data see page 213

### Colour



Poles	Type	Cat. No.	Cat. No.	Qty.
2	BL 3.5/2	1597360000	1615670000	100
3	BL 3.5/3	1597370000	1615680000	100
4	BL 3.5/4	1597380000	1615690000	100
5	BL 3.5/5	1597390000	1614090000	50
6	BL 3.5/6	1597400000	1610180000	50
7	BL 3.5/7	1597410000	1610190000	50
8	BL 3.5/8	1597420000	1615700000	50
9	BL 3.5/9	1597430000	1615710000	50
10	BL 3.5/10	1597440000	1610200000	50
11	BL 3.5/11	1597450000	1615720000	50
12	BL 3.5/12	1597460000	1615730000	50
13	BL 3.5/13	1597470000	1615740000	50
14	BL 3.5/14	1597480000	1615750000	50
15	BL 3.5/15	1597490000	1615760000	50
16	BL 3.5/16	1597500000	1615770000	50
17	BL 3.5/17	1620290000	1620370000	20
18	BL 3.5/18	1620300000	1620380000	20
19	BL 3.5/19	1620310000	1620390000	20
20	BL 3.5/20	1620320000	1620400000	20
21	BL 3.5/21	1620330000	1620410000	20
22	BL 3.5/22	1620340000	1620420000	20
23	BL 3.5/23	1620350000	1620430000	20
24	BL 3.5/24	1620360000	1620440000	20

### Colour



Poles	Type	Cat. No.	Qty.
2	BL 3.5/2 Printed	1740621001	100
3	BL 3.5/3 Printed	1740631001	100
4	BL 3.5/4 Printed	1740641001	100
5	BL 3.5/5 Printed	1740651001	50
6	BL 3.5/6 Printed	1740661001	50
8	BL 3.5/8 Printed	1740671001	50
10	BL 3.5/10 Printed	1740681001	50
12	BL 3.5/12 Printed	1674790000	50
16	BL 3.5/16 Printed	1740691001	50
20	BL 3.5/20 Printed	1740701001	20

### Colour



Poles	Type	Cat. No.	Cat. No.	Qty.
2	BL 3.5/2F	1606640000	1615780000	100
3	BL 3.5/3F	1606650000	1615790000	100
4	BL 3.5/4F	1606660000	1615800000	100
5	BL 3.5/5F	1606670000	1615810000	50
6	BL 3.5/6F	1606680000	1615820000	50
7	BL 3.5/7F	1606690000	1615830000	50
8	BL 3.5/8F	1606700000	1615840000	50
9	BL 3.5/9F	1606710000	1615850000	50
10	BL 3.5/10F	1606720000	1615860000	50
11	BL 3.5/11F	1606730000	1615870000	50
12	BL 3.5/12F	1606740000	1615880000	50
13	BL 3.5/13F	1606750000	1615890000	50
14	BL 3.5/14F	1606760000	1615900000	50
15	BL 3.5/15F	1606770000	1615910000	50
16	BL 3.5/16F	1606780000	1615920000	50
17	BL 3.5/17F	1620760000	1620840000	20
18	BL 3.5/18F	1620770000	1620850000	20
19	BL 3.5/19F	1620780000	1620860000	20
20	BL 3.5/20F	1620790000	1620870000	20
21	BL 3.5/21F	1620800000	1620880000	20
22	BL 3.5/22F	1620810000	1620890000	20
23	BL 3.5/23F	1620820000	1620900000	20
24	BL 3.5/24F	1620830000	1620910000	20

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Miscellaneous	204-207

Accessories	Page
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Coding	199
Miscellaneous	204-207

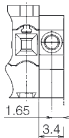
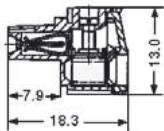
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Miscellaneous	204-207



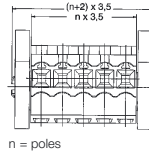
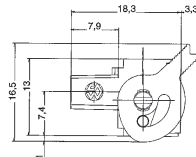
Socket blocks BL 3.5F BEDR



printed version



Socket blocks BL 3.5 LH



n = poles

Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	12	10	10
Clamping range max.	mm <sup>2</sup> /AWG	1.5	14	14

\*Overvoltage category III / Pollution severity 3

Additional technical data see page 213

Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	12	10	10
Clamping range max.	mm <sup>2</sup> /AWG	1.5	14	14

\*Overvoltage category III / Pollution severity 3

Additional technical data see page 213

Colour



Poles	Type	Cat. No.	Qty.
2	BL 3.5/2F Printed	1740711001	100
3	BL 3.5/3F Printed	1740721001	100
4	BL 3.5/4F Printed	1740731001	100
5	BL 3.5/5F Printed	1740741001	50
6	BL 3.5/6F Printed	1740751001	50
8	BL 3.5/8F Printed	1689930000	50
10	BL 3.5/10F Printed	1701730000	50
12	BL 3.5/12F Printed	1740761001	50
16	BL 3.5/16F Printed	1712261001	50
20	BL 3.5/20F Printed	1740771001	20

Colour



Poles	Type	Cat. No. <sup>1)</sup>	Cat. No. <sup>2)</sup>	Qty.
2	BL 3.5/2LH	1687650000	1687880000	100
3	BL 3.5/3LH	1687660000	1687890000	100
4	BL 3.5/4LH	1687670000	1687900000	100
5	BL 3.5/5LH	1687680000	1687910000	50
6	BL 3.5/6LH	1687690000	1687920000	50
7	BL 3.5/7LH	1687700000	1687930000	50
8	BL 3.5/8LH	1687710000	1687940000	50
9	BL 3.5/9LH	1687720000	1687950000	50
10	BL 3.5/10LH	1687730000	1687960000	50
11	BL 3.5/11LH	1687740000	1687970000	50
12	BL 3.5/12LH	1687750000	1687980000	50
13	BL 3.5/13LH	1687760000	1687990000	50
14	BL 3.5/14LH	1687770000	1688000000	50
15	BL 3.5/15LH	1687780000	1688010000	50
16	BL 3.5/16LH	1687790000	1688020000	50
17	BL 3.5/17LH	1687800000	1688030000	20
18	BL 3.5/18LH	1687810000	1688040000	20
19	BL 3.5/19LH	1687820000	1688050000	20
20	BL 3.5/20LH	1687830000	1688060000	20
21	BL 3.5/21LH	1687840000	1688070000	20
22	BL 3.5/22LH	1687850000	1688080000	20
23	BL 3.5/23LH	1687860000	1688090000	20
24	BL 3.5/24LH	1687870000	1688100000	20

1) Release lever in black, 2) Release lever in orange

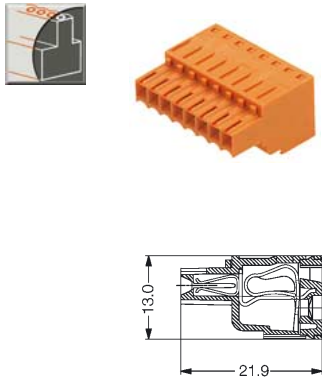
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# Omnimate Range - Pitch 3.5 mm



## Socket blocks BLZF 3.5



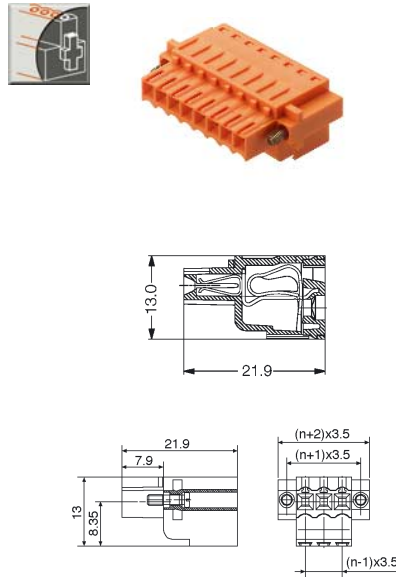
Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	10	10	10
Clamping range max.	mm <sup>2</sup> /AWG	1.5	14	14

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 213

Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
2	BLZF 3.5/2	1690190000	1690420000	100
3	BLZF 3.5/3	1690200000	1690430000	100
4	BLZF 3.5/4	1690210000	1690440000	100
5	BLZF 3.5/5	1690220000	1690450000	50
6	BLZF 3.5/6	1690230000	1690460000	50
7	BLZF 3.5/7	1690240000	1690470000	50
8	BLZF 3.5/8	1690250000	1690480000	50
9	BLZF 3.5/9	1690260000	1690490000	50
10	BLZF 3.5/10	1690270000	1690500000	50
11	BLZF 3.5/11	1690280000	1690510000	50
12	BLZF 3.5/12	1690290000	1690520000	50
13	BLZF 3.5/13	1690300000	1690530000	50
14	BLZF 3.5/14	1690310000	1690540000	50
15	BLZF 3.5/15	1690320000	1690550000	50
16	BLZF 3.5/16	1690330000	1690560000	50
17	BLZF 3.5/17	1690340000	1690570000	20
18	BLZF 3.5/18	1690350000	1690580000	20
19	BLZF 3.5/19	1690360000	1690590000	20
20	BLZF 3.5/20	1690370000	1690600000	20
21	BLZF 3.5/21	1690380000	1690610000	20
22	BLZF 3.5/22	1690390000	1690620000	20
23	BLZF 3.5/23	1690400000	1690630000	20
24	BLZF 3.5/24	1690410000	1690640000	20

Accessories	Page
Fixing	-
Marking	196
Coding	199
Miscellaneous	201-207

## Socket blocks BLZF 3.5F



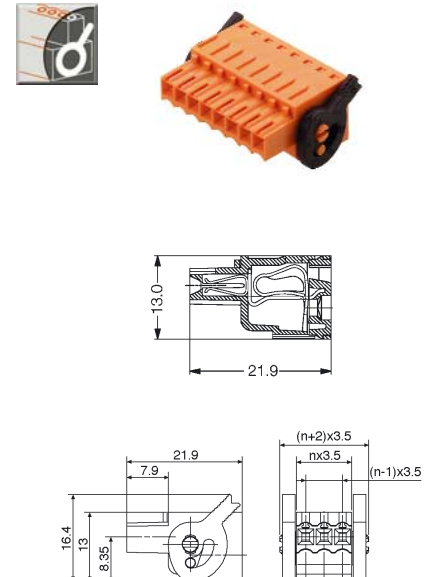
Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	10	10	10
Clamping range max.	mm <sup>2</sup> /AWG	1.5	14	14

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 213

Colour				
Poles	Type	Cat. No.	Cat. No.	Qty.
2	BLZF 3.5/2F	1690880000	1691100000	100
3	BLZF 3.5/3F	1690890000	1691120000	100
4	BLZF 3.5/4F	1690900000	1691130000	100
5	BLZF 3.5/5F	1690910000	1691140000	50
6	BLZF 3.5/6F	1690920000	1691150000	50
7	BLZF 3.5/7F	1690930000	1691160000	50
8	BLZF 3.5/8F	1690940000	1691170000	50
9	BLZF 3.5/9F	1690950000	1691180000	50
10	BLZF 3.5/10F	1690960000	1691190000	50
11	BLZF 3.5/11F	1690970000	1691200000	50
12	BLZF 3.5/12F	1690980000	1691210000	50
13	BLZF 3.5/13F	1690990000	1691220000	50
14	BLZF 3.5/14F	1691000000	1691230000	50
15	BLZF 3.5/15F	1691010000	1691240000	50
16	BLZF 3.5/16F	1691020000	1691250000	50
17	BLZF 3.5/17F	1691030000	1691260000	20
18	BLZF 3.5/18F	1691040000	1691270000	20
19	BLZF 3.5/19F	1691050000	1691280000	20
20	BLZF 3.5/20F	1691060000	1691290000	20
21	BLZF 3.5/21F	1691070000	1691300000	20
22	BLZF 3.5/22F	1691080000	1691310000	20
23	BLZF 3.5/23F	1691090000	1691320000	20
24	BLZF 3.5/24F	1691100000	1691330000	20

Accessories	Page
Fixing	integrated in product
Marking	196
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Miscellaneous	201-207

## Socket blocks BLZF 3.5 LH



Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	10	10	10
Clamping range max.	mm <sup>2</sup> /AWG	1.5	14	14

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 213

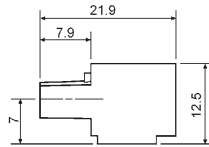
Colour				
Poles	Type	Cat. No. 1)	Cat. No. 2)	Qty.
2	BLZF 3.5/2LH	1691570000	1691800000	100
3	BLZF 3.5/3LH	1691580000	1691810000	100
4	BLZF 3.5/4LH	1691590000	1691820000	100
5	BLZF 3.5/5LH	1691600000	1691830000	50
6	BLZF 3.5/6LH	1691610000	1691840000	50
7	BLZF 3.5/7LH	1691620000	1691850000	50
8	BLZF 3.5/8LH	1691630000	1691860000	50
9	BLZF 3.5/9LH	1691640000	1691870000	50
10	BLZF 3.5/10LH	1691650000	1691880000	50
11	BLZF 3.5/11LH	1691660000	1691890000	50
12	BLZF 3.5/12LH	1691670000	1691900000	50
13	BLZF 3.5/13LH	1691680000	1691910000	50
14	BLZF 3.5/14LH	1691690000	1691920000	50
15	BLZF 3.5/15LH	1691700000	1691930000	50
16	BLZF 3.5/16LH	1691710000	1691940000	50
17	BLZF 3.5/17LH	1691720000	1691950000	20
18	BLZF 3.5/18LH	1691730000	1691960000	20
19	BLZF 3.5/19LH	1691740000	1691970000	20
20	BLZF 3.5/20LH	1691750000	1691980000	20
21	BLZF 3.5/21LH	1691760000	1691990000	20
22	BLZF 3.5/22LH	1691770000	1692000000	20
23	BLZF 3.5/23LH	1691780000	1692010000	20
24	BLZF 3.5/24LH	1691790000	1692020000	20

1) Release lever in black, 2) Release lever in orange

Accessories	Page
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Coding	199
Miscellaneous	201-207



Socket blocks BLIDC 3.5



Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	6	7	7
Clamping range max.	mm <sup>2</sup> /AWG	0.5	20	20

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 214

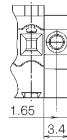
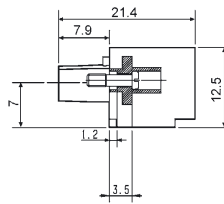
Colour



Poles	Type	Cat. No.	Cat. No.	Qty.
2	BLIDC 3.5/2	1750790000	1770940000	100
3	BLIDC 3.5/3	1750800000	1770950000	100
4	BLIDC 3.5/4	1750810000	1770960000	100
5	BLIDC 3.5/5	1750820000	1770970000	50
6	BLIDC 3.5/6	1750830000	1770980000	50
7	BLIDC 3.5/7	1750840000	1770990000	50
8	BLIDC 3.5/8	1750850000	1771000000	50
9	BLIDC 3.5/9	1750860000	1771010000	50
10	BLIDC 3.5/10	1750870000	1771020000	50
11	BLIDC 3.5/11	1750880000	1771030000	50
12	BLIDC 3.5/12	1750890000	1771040000	50
13	BLIDC 3.5/13	1750900000	1771050000	50
14	BLIDC 3.5/14	1750910000	1771060000	50
15	BLIDC 3.5/15	1750920000	1771070000	50
16	BLIDC 3.5/16	1750930000	1771080000	50

Accessories	Page
Fixing	-
Marking	196
Coding	199
Miscellaneous	202, 208

Socket blocks BLIDC 3.5F



Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	6	7	7
Clamping range max.	mm <sup>2</sup> /AWG	0.5	20	20

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 214

Colour



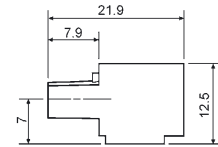
Poles	Type	Cat. No.	Cat. No.	Qty.
2	BLIDC 3.5/2F	1751090000	1771090000	100
3	BLIDC 3.5/3F	1751100000	1771100000	100
4	BLIDC 3.5/4F	1751110000	1771110000	100
5	BLIDC 3.5/5F	1751120000	1771120000	50
6	BLIDC 3.5/6F	1751130000	1771130000	50
7	BLIDC 3.5/7F	1751140000	1771140000	50
8	BLIDC 3.5/8F	1751150000	1771150000	50
9	BLIDC 3.5/9F	1751160000	1771160000	50
10	BLIDC 3.5/10F	1751170000	1771170000	50
11	BLIDC 3.5/11F	1751180000	1771180000	50
12	BLIDC 3.5/12F	1751190000	1771190000	50
13	BLIDC 3.5/13F	1751200000	1771200000	50
14	BLIDC 3.5/14F	1751210000	1771210000	50
15	BLIDC 3.5/15F	1751220000	1771220000	50
16	BLIDC 3.5/16F	1751230000	1771230000	50

Accessories	Page
Fixing	integrated in product
Marking	196
Coding	199
Miscellaneous	202, 208

Socket blocks BLIDCB 3.5



Bus version



Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	6	7	7
Clamping range max.	mm <sup>2</sup> /AWG	0.5	20	20

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 214

Colour



Poles	Type	Cat. No.	Cat. No.	Qty.
2	BLIDCB 3.5/2	1751380000	1770670000	100
3	BLIDCB 3.5/3	1751390000	1770680000	100
4	BLIDCB 3.5/4	1751400000	1770690000	100
5	BLIDCB 3.5/5	1751410000	1770700000	50
6	BLIDCB 3.5/6	1751420000	1770710000	50
7	BLIDCB 3.5/7	1751430000	1770720000	50
8	BLIDCB 3.5/8	1751440000	1770730000	50

Accessories	Page
Fixing	-
Marking	196
Coding	199
Miscellaneous	208



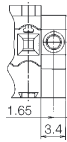
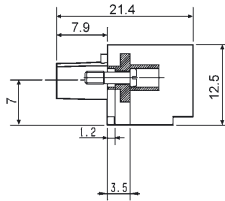
# Omnimate Range - Pitch 3.5 mm



## Socket blocks BLIDCB 3.5F



Bus version



Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	6	7	7
Clamping range max.	mm <sup>2</sup> /AWG	0.5	20	20

\*Overvoltage category III / Pollution severity 3

Additional technical data see page 214

### Colour

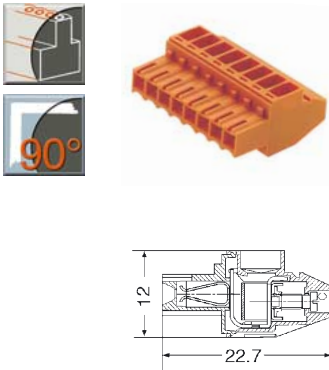


Poles	Type	Cat. No.	Cat. No.	Qty.
2	BLIDCB 3.5/2F	1751450000	1770740000	100
3	BLIDCB 3.5/3F	1751460000	1770750000	100
4	BLIDCB 3.5/4F	1751470000	1770760000	100
5	BLIDCB 3.5/5F	1751480000	1770770000	50
6	BLIDCB 3.5/6F	1751490000	1770780000	50
7	BLIDCB 3.5/7F	1751500000	1770790000	50
8	BLIDCB 3.5/8F	1751510000	1770800000	50

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Fixing	integrated in product
Marking	196
Coding	199
Miscellaneous	208





## Socket blocks BL 3.5/90



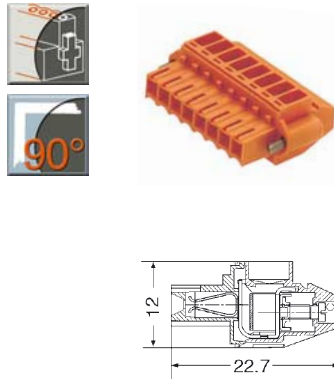
Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	9	10	10
Clamping range max.	mm <sup>2</sup> /AWG	1.5	14	14

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 213

Colour				Qty.
Poles	Type	Cat. No.	Cat. No.	
2	BL 3.5/2/90	1638550000	1638780000	100
3	BL 3.5/3/90	1638560000	1638790000	100
4	BL 3.5/4/90	1638570000	1638800000	100
5	BL 3.5/5/90	1638580000	1638810000	50
6	BL 3.5/6/90	1638590000	1638820000	50
7	BL 3.5/7/90	1638600000	1638830000	50
8	BL 3.5/8/90	1638610000	1638840000	50
9	BL 3.5/9/90	1638620000	1638850000	50
10	BL 3.5/10/90	1638630000	1638860000	50
11	BL 3.5/11/90	1638640000	1638870000	50
12	BL 3.5/12/90	1638650000	1638880000	50
13	BL 3.5/13/90	1638660000	1638890000	50
14	BL 3.5/14/90	1638670000	1638900000	50
15	BL 3.5/15/90	1638680000	1638910000	50
16	BL 3.5/16/90	1638690000	1638920000	50
17	BL 3.5/17/90	1638700000	1638930000	20
18	BL 3.5/18/90	1638710000	1638940000	20
19	BL 3.5/19/90	1638720000	1638950000	20
20	BL 3.5/20/90	1638730000	1638960000	20
21	BL 3.5/21/90	1638740000	1638970000	20
22	BL 3.5/22/90	1638750000	1638980000	20
23	BL 3.5/23/90	1638760000	1638990000	20
24	BL 3.5/24/90	1638770000	1639000000	20



Accessories	Page
Fixing	-
Marking	196
Coding	199
Miscellaneous	207

## Socket blocks BL 3.5/90F



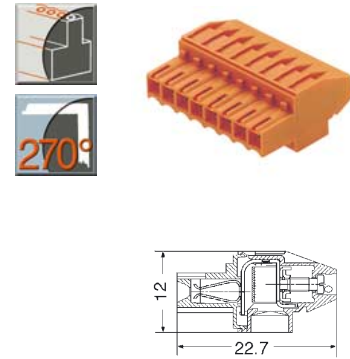
Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	9	10	10
Clamping range max.	mm <sup>2</sup> /AWG	1.5	14	14

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 213

Colour				Qty.
Poles	Type	Cat. No.	Cat. No.	
2	BL 3.5/2/90F	1639010000	1639240000	100
3	BL 3.5/3/90F	1639020000	1639250000	100
4	BL 3.5/4/90F	1639030000	1639260000	100
5	BL 3.5/5/90F	1639040000	1639270000	50
6	BL 3.5/6/90F	1639050000	1639280000	50
7	BL 3.5/7/90F	1639060000	1639290000	50
8	BL 3.5/8/90F	1639070000	1639300000	50
9	BL 3.5/9/90F	1639080000	1639310000	50
10	BL 3.5/10/90F	1639090000	1639320000	50
11	BL 3.5/11/90F	1639100000	1639330000	50
12	BL 3.5/12/90F	1639110000	1639340000	50
13	BL 3.5/13/90F	1639120000	1639350000	50
14	BL 3.5/14/90F	1639130000	1639360000	50
15	BL 3.5/15/90F	1639140000	1639370000	50
16	BL 3.5/16/90F	1639150000	1639380000	50
17	BL 3.5/17/90F	1639160000	1639390000	20
18	BL 3.5/18/90F	1639170000	1639400000	20
19	BL 3.5/19/90F	1639180000	1639410000	20
20	BL 3.5/20/90F	1639190000	1639420000	20
21	BL 3.5/21/90F	1639200000	1639430000	20
22	BL 3.5/22/90F	1639210000	1639440000	20
23	BL 3.5/23/90F	1639220000	1639450000	20
24	BL 3.5/24/90F	1639230000	1639460000	20



Accessories	Page
Fixing	integrated in product
Marking	196
Coding	199
Miscellaneous	207

## Socket blocks BL 3.5/270



Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	9	10	10
Clamping range max.	mm <sup>2</sup> /AWG	1.5	14	14

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 213

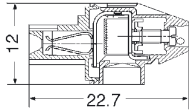
Colour				Qty.
Poles	Type	Cat. No.	Cat. No.	
2	BL 3.5/2/270	1639470000	1639700000	100
3	BL 3.5/3/270	1639480000	1639710000	100
4	BL 3.5/4/270	1639490000	1639720000	100
5	BL 3.5/5/270	1639500000	1639730000	50
6	BL 3.5/6/270	1639510000	1639740000	50
7	BL 3.5/7/270	1639520000	1639750000	50
8	BL 3.5/8/270	1639530000	1639760000	50
9	BL 3.5/9/270	1639540000	1639770000	50
10	BL 3.5/10/270	1639550000	1639780000	50
11	BL 3.5/11/270	1639560000	1639790000	50
12	BL 3.5/12/270	1639570000	1639800000	50
13	BL 3.5/13/270	1639580000	1639810000	50
14	BL 3.5/14/270	1639590000	1639820000	50
15	BL 3.5/15/270	1639600000	1639830000	50
16	BL 3.5/16/270	1639610000	1639840000	50
17	BL 3.5/17/270	1639620000	1639850000	20
18	BL 3.5/18/270	1639630000	1639860000	20
19	BL 3.5/19/270	1639640000	1639870000	20
20	BL 3.5/20/270	1639650000	1639880000	20
21	BL 3.5/21/270	1639660000	1639890000	20
22	BL 3.5/22/270	1639670000	1639900000	20
23	BL 3.5/23/270	1639680000	1639910000	20
24	BL 3.5/24/270	1639690000	1639920000	20

Accessories	Page
Fixing	-
Marking	196
Coding	199
Miscellaneous	207

# Omnimate Range - Pitch 3.50 mm



## Socket blocks BL 3.5/270F



Technical Data		VDE	UL	CSA
Rated voltage	V	160*	300	300
Rated current	A	9	10	10
Clamping range max.	mm <sup>2</sup> /AWG	1.5	14	14

\*Overvoltage category III / Pollution severity 3

Additional technical data see page 213

### Colour



Poles	Type	Cat. No.	Cat. No.	Qty.
2	BL 3.5/2/270F	1639930000	1640160000	100
3	BL 3.5/3/270F	1639940000	1640170000	100
4	BL 3.5/4/270F	1639950000	1640180000	100
5	BL 3.5/5/270F	1639960000	1640190000	50
6	BL 3.5/6/270F	1639970000	1640200000	50
7	BL 3.5/7/270F	1639980000	1640210000	50
8	BL 3.5/8/270F	1639990000	1640220000	50
9	BL 3.5/9/270F	1640000000	1640230000	50
10	BL 3.5/10/270F	1640010000	1640240000	50
11	BL 3.5/11/270F	1640020000	1640250000	50
12	BL 3.5/12/270F	1640030000	1640260000	50
13	BL 3.5/13/270F	1640040000	1640270000	50
14	BL 3.5/14/270F	1640050000	1640280000	50
15	BL 3.5/15/270F	1640060000	1640290000	50
16	BL 3.5/16/270F	1640070000	1640300000	50
17	BL 3.5/17/270F	1640080000	1640310000	20
18	BL 3.5/18/270F	1640090000	1640320000	20
19	BL 3.5/19/270F	1640100000	1640330000	20
20	BL 3.5/20/270F	1640110000	1640340000	20
21	BL 3.5/21/270F	1640120000	1640350000	20
22	BL 3.5/22/270F	1640130000	1640360000	20
23	BL 3.5/23/270F	1640140000	1640370000	20
24	BL 3.5/24/270F	1640150000	1640380000	20

Accessories	Page
Fixing	integrated in product
Marking	196
Coding	199
Miscellaneous	207

**Omnimate Range  
Pitch 3.50 mm**



## BL I/O 3.5

### The pluggable connection level for I/O-systems

BL I/O 3.5 combines the advantages of rail mounted sensor/actuator connection systems with the compactness of our connector system BL 3.5/SL 3.5. The plug offers eight 3-channel Input/Outputs and in addition six cross-connect levels for feeding and distribution of supply voltage. Integrated cross-connections ensure the potential distribution for the I/O-channels.

With the single-version of BL I/O 3.5 conventional rail mounted connection levels can also be used, e.g. ZIK•ZAK - the modular I/O-connection system with tension clamp cable termination. This flexibility enables a free choice at the field connection level and is independent of the design of the electronics. The BL I/O 3.5 variant with integrated signal-state LEDs allows a check of the sensor status. This is independent of the control unit.

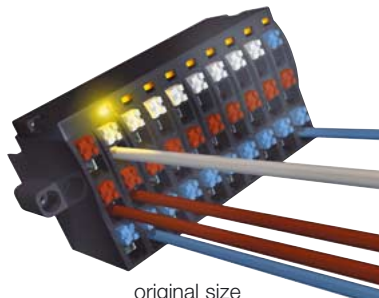
#### Application:

- decentralised I/O
- compact PLC
- IPC

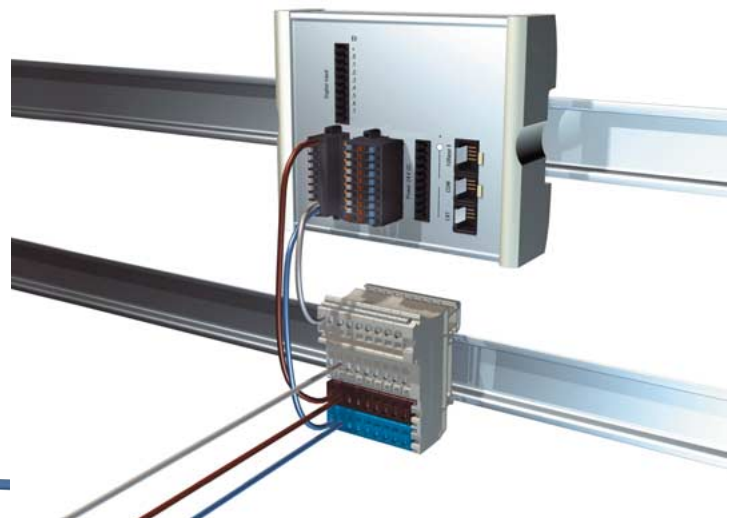
#### Advantages:

- full functionality of an 8-channel I/O-connection level
- simple and rapid wiring
- integrated state LEDs
- variable distribution of the supply voltage
- design of the I/O-electronics is independent of the field connection level

- Integrated LEDs show the status of the connected sensors and actuators during commissioning.

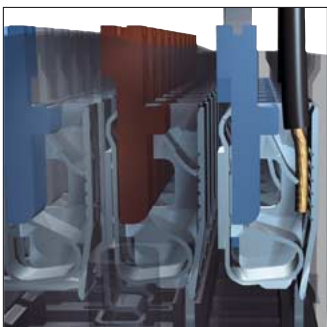
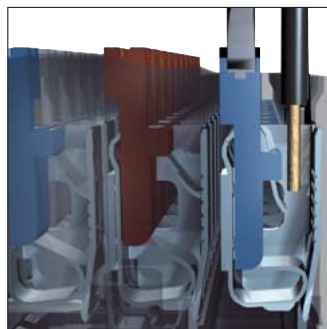


original size

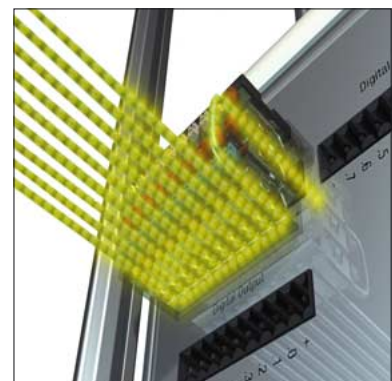


- A free choice of the field wiring: with conventional rail mounted connection systems or our compact BL I/O 3.5 system.

- Six cross-connect levels enable feeding and distribution of the supply power.
- Integrated cross-connections provide the potential distribution to the individual I/O-channels.



- The spring connection technique guarantees very easy operation: solid or ferruled conductors, and even flexible conductors without ferrules can be connected without a tool and disconnected very easily at the touch of a button.

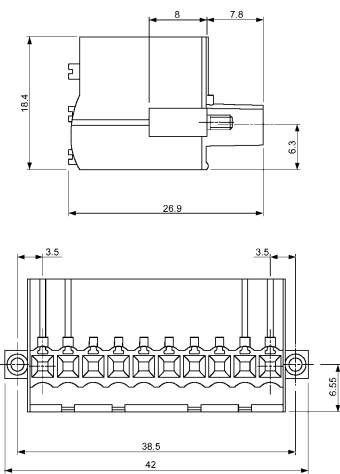




## Socket blocks BL-I/O 3.5/30F

**new**

Connection of eight 3-wire sensors/actuators, integrated potential distribution, six jumpering contacts for voltage feeding/distribution.



Technical Data	VDE	UL	CSA
<b>Rated voltage</b>	V	50*	50
<b>Rated current</b>	A	2	5
<b>Total current carrying capacity</b>	A	10	-
<b>Clamping range max.</b>	mm <sup>2</sup> /AWG	1.5	16

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 214

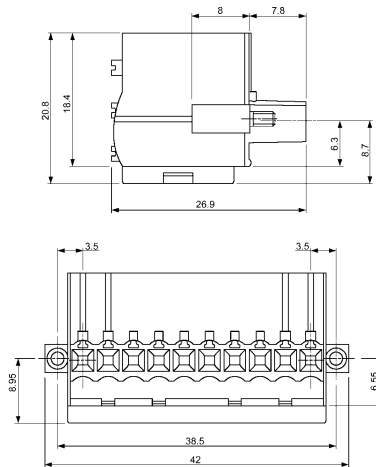
Colour	Poles	Type	Cat. No.	Qty.
●	30	BL-I/O 3.5/30F	<b>1779920000</b>	20

Accessories	Page
Fixing	integrated in product
Marking	196
Coding	199
Miscellaneous	-

## Socket blocks BL-I/O 3.5/30F LED

**new**

Connection of eight 3-wire sensors/actuators, integrated potential distribution, integrated LEDs, six jumpering contacts for voltage feeding/distribution.



Technical Data	VDE	UL	CSA
<b>Rated voltage</b>	V	24*	24
<b>Rated current</b>	A	2	5
<b>Total current carrying capacity</b>	A	10	-
<b>Clamping range max.</b>	mm <sup>2</sup> /AWG	1.5	16

\*Overvoltage category III / Pollution severity 2  
Additional technical data see page 214

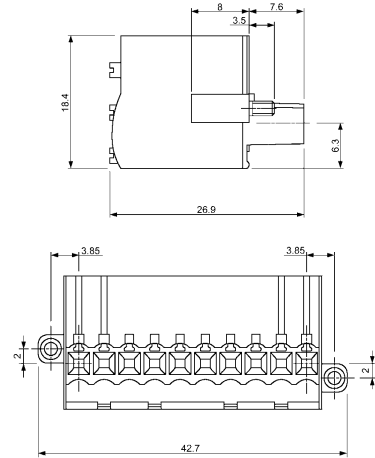
Colour	Poles	Type	Cat. No.	Qty.
●	30	BL-I/O 3.5/30F LED	<b>1789110000</b>	20

Accessories	Page
Fixing	integrated in product
Marking	196
Coding	199
Miscellaneous	-

## Socket blocks BL-I/O 3.5/30FP

**new**

Connection of eight 3-wire sensors/actuators, integrated potential distribution, six jumpering contacts for voltage feeding/distribution, compact flanges for bolting the socket connector to the front of a device.



Technical Data	VDE	UL	CSA
<b>Rated voltage</b>	V	50*	50
<b>Rated current</b>	A	2	5
<b>Total current carrying capacity</b>	A	10	-
<b>Clamping range max.</b>	mm <sup>2</sup> /AWG	1.5	16

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 214

Colour	Poles	Type	Cat. No.	Qty.
●	30	BL-I/O 3.5/30FP	<b>1779910000</b>	20

Accessories	Page
Fixing	integrated in product
Marking	196
Coding	199
Miscellaneous	-

Omnimate Range  
Pitch 3.50 mm

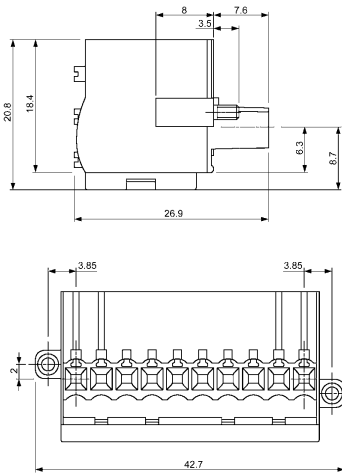
# Omnimate Range - Pitch 3.50 mm



## Socket blocks BL-I/O 3.5/30FP LED

**new**

Connection of eight 3-wire sensors/actuators, integrated potential distribution, integrated LEDs, six jumpering contacts for voltage feeding/distribution, compact flanges for bolting the socket connector to the front of a device.



Technical Data	VDE	UL	CSA
Rated voltage	V	24*	24
Rated current	A	2	5
Total current carrying capacity	A	10	-
Clamping range max.	mm <sup>2</sup> /AWG	1.5	16

\*Overvoltage category III / Pollution severity 2  
Additional technical data see page 214

### Colour

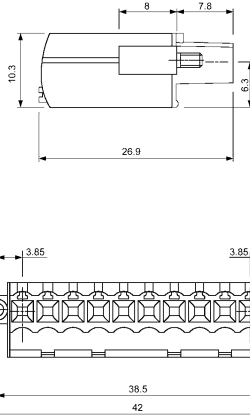
Poles	Type	Cat. No.	Qty.
30	BL-I/O 3.5/30FP LED	<b>178910000</b>	20

Accessories	Page
Fixing	integrated in product
Marking	196
Coding	199
Miscellaneous	-

## Socket blocks BL-I/O 3.5/10F

**new**

Connection of eight signal leads, two contacts for voltage feeding.



Technical Data	VDE	UL	CSA
Rated voltage	V	50*	50
Rated current	A	2	5
Total current carrying capacity	A	10	-
Clamping range max.	mm <sup>2</sup> /AWG	1.5	16

\*Overvoltage category III / Pollution severity 3  
Additional technical data see page 214

### Colour

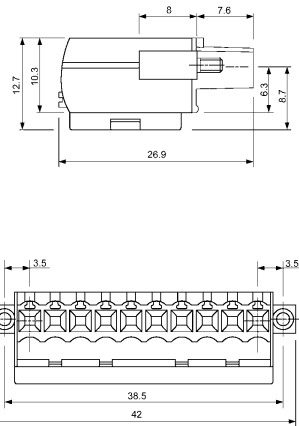
Poles	Type	Cat. No.	Qty.
10	BL-I/O 3.5/10F	<b>1779880000</b>	20

Accessories	Page
Fixing	integrated in product
Marking	196
Coding	199
Miscellaneous	-

## Socket blocks BL-I/O 3.5/10F LED

**new**

Connection of eight signal leads, integrated LEDs, two contacts for voltage feeding.



Technical Data	VDE	UL	CSA
Rated voltage	V	24*	24
Rated current	A	2	5
Total current carrying capacity	A	10	-
Clamping range max.	mm <sup>2</sup> /AWG	1.5	16

\*Overvoltage category III / Pollution severity 2  
Additional technical data see page 214

### Colour

Poles	Type	Cat. No.	Qty.
10	BL-I/O 3.5/10F LED	<b>1789090000</b>	20

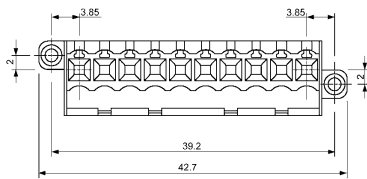
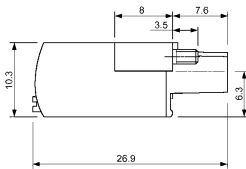
Accessories	Page
Fixing	integrated in product
Marking	196
Coding	199
Miscellaneous	-



Socket blocks BL-I/O 3.5/10FP

**new**

Connection of eight signal leads, two contacts for voltage feeding, compact flanges for bolting the socket connector to the front of a device.



Technical Data	VDE	UL	CSA
Rated voltage	V	50*	50
Rated current	A	2	5
Total current carrying capacity	A	10	-
Clamping range max.	mm <sup>2</sup> /AWG	1.5	16

\*Overvoltage category III / Pollution severity 3

Additional technical data see page 214

Colour

Poles	Type	Cat. No.	Qty.
10	BL-I/O 3.5/10FP	<b>1779870000</b>	20

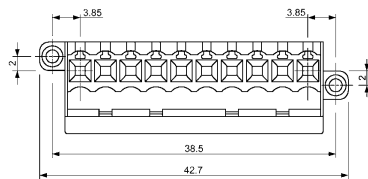
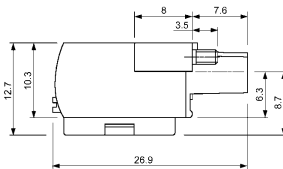
Accessories

Accessories	Page
Fixing	integrated in product
Marking	196
Coding	199
Miscellaneous	-

Socket blocks BL-I/O 3.5/10FP LED

**new**

Connection of eight signal leads, integrated LEDs, two contacts for voltage feeding, compact flanges for bolting the socket connector to the front of a device.



Technical Data	VDE	UL	CSA
Rated voltage	V	24*	24
Rated current	A	2	5
Total current carrying capacity	A	10	-
Clamping range max.	mm <sup>2</sup> /AWG	1.5	16

\*Overvoltage category III / Pollution severity 2

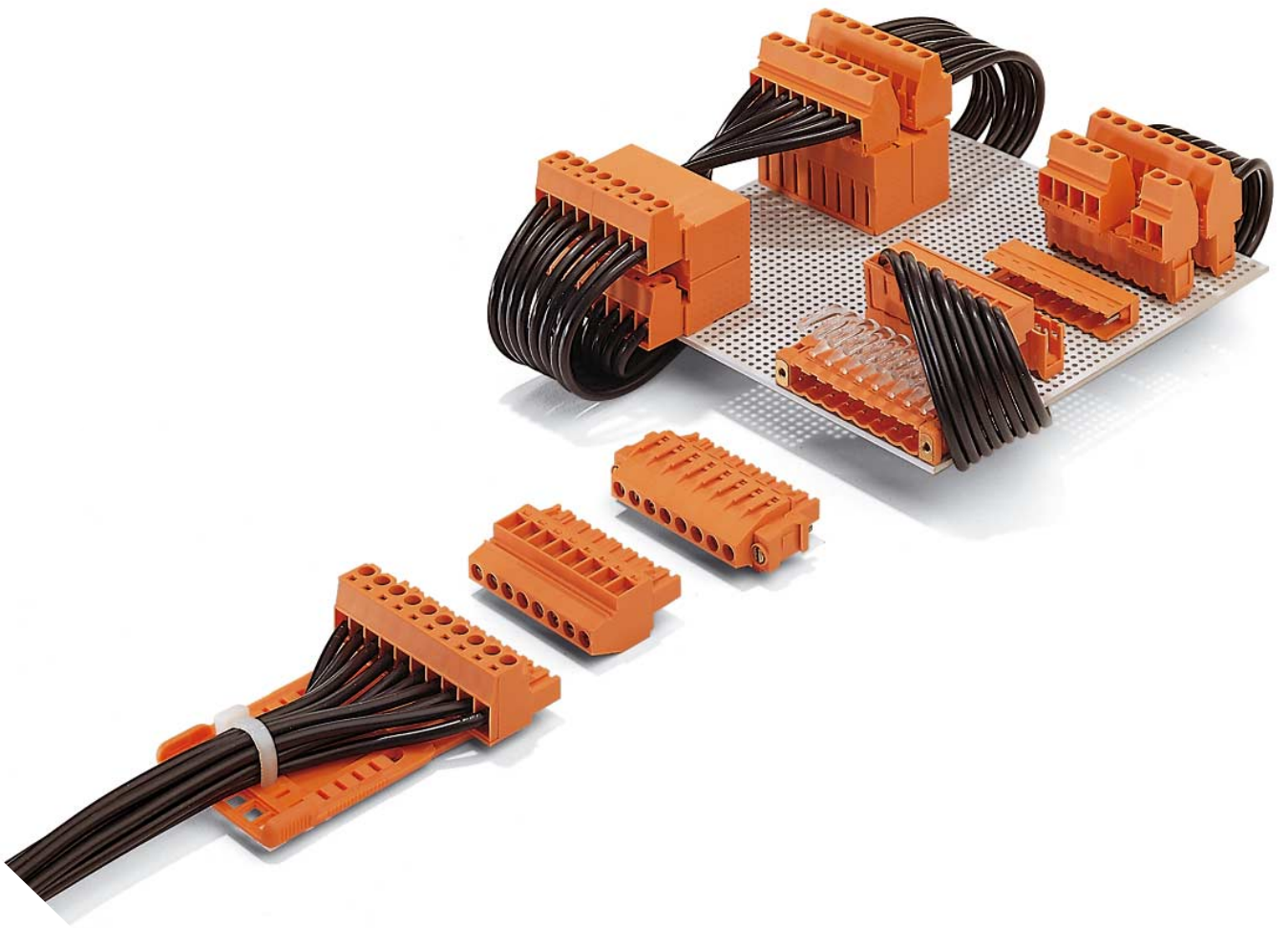
Additional technical data see page 214

Colour

Poles	Type	Cat. No.	Qty.
10	BL-I/O 3.5/10FP LED	<b>1789080000</b>	20

Accessories

Accessories	Page
Fixing	integrated in product
Marking	196
Coding	199
Miscellaneous	-



## Omnimate Range - Pitch 5.00 mm and 5.08 mm

The **Omnimate Range** offers a free choice of the connecting technique. Everything is possible with the socket blocks and pin plugs: leaf spring, clamping yoke, tension clamp, TOP, crimp, and IDC connections.

This versatility brings substantial benefits: You design your printed circuit board with a 3.5/5/7mm pitch component and are able to combine different field connections with it – as it is required by end customers and market.

The comprehensive assortment of pin headers and socket blocks, the multitude of different angles between pcb, connectors and conductors in the field, and the large selection of accessories permit the **Omnimate Range** to be used in a variety of applications.

For example: motor control, free wiring of initiators and actuators, in interface elements or in power supply units.

### Product features overview:

- free selection of the connecting technique
- easy to use
- end-to-end stacking without loss of pitch
- thermoplastic polyester (PBT), or Liquid Crystal Polymer (LCP) is used as insulation material that is flame-resistant according to UL 94 V-0
- large selection of accessories

With our socket blocks and pin headers in **5.00 mm and 5.08 mm pitch** Weidmüller offers the largest variety of connection techniques than any other connector manufacturer. Leaf spring, clamping yoke, tension clamp, TOP, crimp, and IDC-connection.

The socket blocks can be combined with all single and double-level pin headers with conductor angle of 90°, 135° and 180°. And, of course, with our innovative **SL-SMT 5.00/5.08 pin headers** (Through-Hole-Reflow).

### 5.00/5.08 mm pitch:

- all pin headers and socket blocks can be combined as required
- two pitch dimensions:  
5.00 mm (metric)  
5.08 mm (0.2 inch, imperial)
- voltages up to 250 V,  
currents up to 12 A,  
conductor cross-sections up to 2.5 mm<sup>2</sup>