

P.C.B. Connector

- Tension Clamp
- 3.50mm Pitch
- 2...24 Poles
- Colour - Orange\*
- 1.5mm² max. wire size (flexible)
- 3.2mm P.C. pin length\*\*

\* Other colours available on request

\*\* 4.5mm P.C. pin length on request

Technical Data

|                                 |           |
|---------------------------------|-----------|
| Insulating Material             | PBT       |
| Contact Spring Material/Plating | CuSn/SnPb |
| Contact Pin Material/Plating    | CuZn/Sn   |
| Flammability class              | UL 94 V0  |

Dimensions

|                             |              |
|-----------------------------|--------------|
| Pitch                       | 3.50mm       |
| PCB Hole                    | Ø1.3 + 0.1mm |
| Insulation Stripping Length | 10mm         |

Conductor Clamping

|                     |               |
|---------------------|---------------|
| Max. Clamping Range | 0.08...1.5mm² |
| Solid               | 0.5...1.5mm²  |
| Flexible            | 0.5...1.5mm²  |
| AWG Conductors      | No. 28...16   |

VDE Rated Data

|                             |                   |
|-----------------------------|-------------------|
| Rated Cross Section         | 1.5mm²            |
| Rated Current               | 10A               |
| Rated Voltage (Ins. Grp. C) | 125Va.c./150Vd.c. |
| Rated Voltage (Ins. Grp. B) | 250Va.c./300Vd.c. |

UL Rated Data

|                 |                     |
|-----------------|---------------------|
| Rated Voltage   | Industrial 300Va.c. |
| Rated Voltage   | Commercial 250Va.c. |
| Rated Current   | 10A                 |
| Conductor Sizes | 22...14AWG          |

Ordering Data

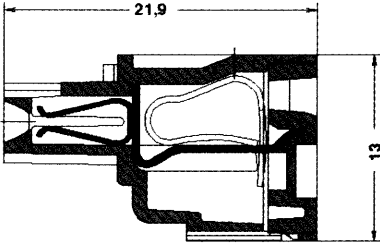
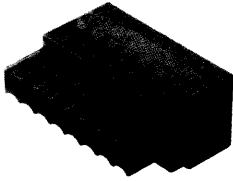
Note:  
For the mounting of PCBs, it should be noted that the ratings in this catalogue relate only to Connectors. The necessary PCB creepage and clearance paths must be determined in accordance with VDE 0110b. The current capacity of the PCBs is to be observed according to DIN IEC 326 part 3.

Accessories

|                                         |             |
|-----------------------------------------|-------------|
| Coding Piece                            |             |
| Locking Latch (for use on SL)           |             |
| Marking Strips                          | 8 way 1-8   |
| Marking Strips                          | 16 way 1-16 |
| Marking Strips                          | 24 way 1-24 |
| Fixing Screw (for fixing Header to PCB) |             |

BLZF 3.5/2...24

- Free Socket
- Tension Clamp
- 180° Cable Orientation

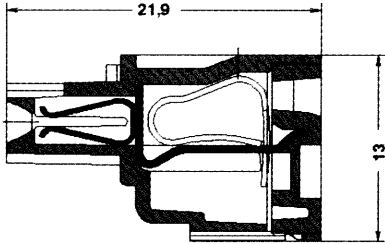
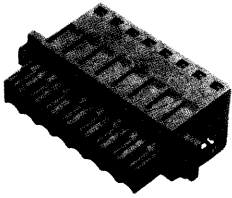


| Poles | Description | Cat. No. |
|-------|-------------|----------|
| 2     | BLZF 3.5/2  | 169019   |
| 3     | BLZF 3.5/3  | 169020   |
| 4     | BLZF 3.5/4  | 169021   |
| 5     | BLZF 3.5/5  | 169022   |
| 6     | BLZF 3.5/6  | 169023   |
| 7     | BLZF 3.5/7  | 169024   |
| 8     | BLZF 3.5/8  | 169025   |
| 9     | BLZF 3.5/9  | 169026   |
| 10    | BLZF 3.5/10 | 169027   |
| 11    | BLZF 3.5/11 | 169028   |
| 12    | BLZF 3.5/12 | 169029   |
| 13    | BLZF 3.5/13 | 169030   |
| 14    | BLZF 3.5/14 | 169031   |
| 15    | BLZF 3.5/15 | 169032   |
| 16    | BLZF 3.5/16 | 169033   |
| 17    | BLZF 3.5/17 | 169034   |
| 18    | BLZF 3.5/18 | 169035   |
| 19    | BLZF 3.5/19 | 169036   |
| 20    | BLZF 3.5/20 | 169037   |
| 21    | BLZF 3.5/21 | 169038   |
| 22    | BLZF 3.5/22 | 169039   |
| 23    | BLZF 3.5/23 | 169040   |
| 24    | BLZF 3.5/24 | 169041   |

| Description            | Cat. No.    |
|------------------------|-------------|
| BL/SL 3.5 KO SW        | 161010      |
| KSW 4 8/3.5W (1...8)   | 163019/0001 |
| KSW 4 16/3.5W (1...16) | 163015/0001 |
| KSW 4 24/3.5W (1...24) | 164041/0001 |

BLZF 3.5/2...24F

- Free Socket, with locking flange
- Tension Clamp
- 180° Cable Orientation



| Poles | Description  | Cat. No. |
|-------|--------------|----------|
| 2     | BLZF 3.5/2F  | 169088   |
| 3     | BLZF 3.5/3F  | 169089   |
| 4     | BLZF 3.5/4F  | 169090   |
| 5     | BLZF 3.5/5F  | 169091   |
| 6     | BLZF 3.5/6F  | 169092   |
| 7     | BLZF 3.5/7F  | 169093   |
| 8     | BLZF 3.5/8F  | 169094   |
| 9     | BLZF 3.5/9F  | 169095   |
| 10    | BLZF 3.5/10F | 169096   |
| 11    | BLZF 3.5/11F | 169097   |
| 12    | BLZF 3.5/12F | 169098   |
| 13    | BLZF 3.5/13F | 169099   |
| 14    | BLZF 3.5/14F | 169100   |
| 15    | BLZF 3.5/15F | 169101   |
| 16    | BLZF 3.5/16F | 169102   |
| 17    | BLZF 3.5/17F | 169103   |
| 18    | BLZF 3.5/18F | 169104   |
| 19    | BLZF 3.5/19F | 169105   |
| 20    | BLZF 3.5/20F | 169106   |
| 21    | BLZF 3.5/21F | 169107   |
| 22    | BLZF 3.5/22F | 169108   |
| 23    | BLZF 3.5/23F | 169109   |
| 24    | BLZF 3.5/24F | 169110   |

| Description            | Cat. No.    |
|------------------------|-------------|
| BL/SL 3.5 KO SW        | 161010      |
| KSW 4 8/3.5W (1...8)   | 163019/0001 |
| KSW 4 16/3.5W (1...16) | 163015/0001 |
| KSW 4 24/3.5W (1...24) | 164041/0001 |

# P.C.B. Connector

- Screw Clamp
- 3.50mm Pitch
- 2...24 Poles
- Colour - Orange\*
- 1.5mm² max. wire size (flexible)
- 3.2mm P.C. pin length\*\*

\* Other colours available on request  
\*\* 4.5mm P.C. pin length on request

## Technical Data

|                                 |            |
|---------------------------------|------------|
| Insulating Material             | PBT        |
| Screw Clamp Material/Plating    | Steel/Zn/C |
| Contact Spring Material/Plating | CuSn/SnPb  |
| Contact Pin Material/Plating    | CuZn/Sn    |
| Flammability class              | UL 94 V0   |

## Dimensions

|                             |              |
|-----------------------------|--------------|
| Pitch                       | 3.50mm       |
| PCB Hole                    | Ø1.3 + 0.1mm |
| Insulation Stripping Length | 7mm          |
| Clamping Screw Thread       | M2           |

## Conductor Clamping

|                     |               |
|---------------------|---------------|
| Max. Clamping Range | 0.08...1.5mm² |
| Solid               | 0.5...1.5mm²  |
| Flexible            | 0.5...1.5mm²  |
| AWG Conductors      | No. 28...16   |

## VDE Rated Data

|                             |                   |
|-----------------------------|-------------------|
| Rated Cross Section         | 1.5mm²            |
| Rated Current               | 12A               |
| Rated Voltage (Ins. Grp. C) | 125Va.c./150Vd.c. |
| Rated Voltage (Ins. Grp. B) | 250Va.c./300Vd.c. |

## UL Rated Data

|                 |                     |
|-----------------|---------------------|
| Rated Voltage   | Industrial 300Va.c. |
| Rated Voltage   | Commercial 250Va.c. |
| Rated Current   | 10A                 |
| Conductor Sizes | 22...14AWG          |

## Tightening Torque

|                                |        |
|--------------------------------|--------|
| Manual Screwdriver Type SD/SDI | 0.25Nm |
|--------------------------------|--------|

## Ordering Data

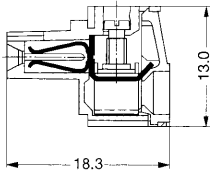
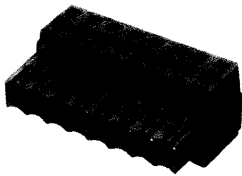
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## Accessories

|                                         |             |
|-----------------------------------------|-------------|
| Coding Piece                            |             |
| Locking Latch (for use on SL)           |             |
| Marking Strips                          | 8 way 1-8   |
| Marking Strips                          | 16 way 1-16 |
| Marking Strips                          | 24 way 1-24 |
| Fixing Screw (for fixing Header to PCB) |             |
| Screwdriver                             |             |

# BL 3.5/2...24

Free Socket  
Standard Screw Clamp  
180° Cable Orientation

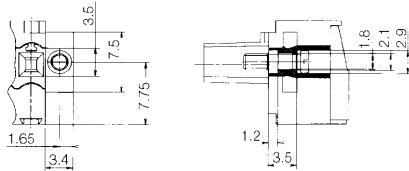
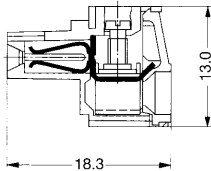
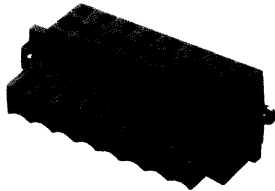


| Poles | Description | Cat. No. |
|-------|-------------|----------|
| 2     | BL 3.5/2    | 159736   |
| 3     | BL 3.5/3    | 159737   |
| 4     | BL 3.5/4    | 159738   |
| 5     | BL 3.5/5    | 159739   |
| 6     | BL 3.5/6    | 159740   |
| 7     | BL 3.5/7    | 159741   |
| 8     | BL 3.5/8    | 159742   |
| 9     | BL 3.5/9    | 159743   |
| 10    | BL 3.5/10   | 159744   |
| 11    | BL 3.5/11   | 159745   |
| 12    | BL 3.5/12   | 159746   |
| 13    | BL 3.5/13   | 159747   |
| 14    | BL 3.5/14   | 159748   |
| 15    | BL 3.5/15   | 159749   |
| 16    | BL 3.5/16   | 159750   |
| 17    | BL 3.5/17   | 162029   |
| 18    | BL 3.5/18   | 162030   |
| 19    | BL 3.5/19   | 162031   |
| 20    | BL 3.5/20   | 162032   |
| 21    | BL 3.5/21   | 162033   |
| 22    | BL 3.5/22   | 162034   |
| 23    | BL 3.5/23   | 162035   |
| 24    | BL 3.5/24   | 162036   |

| Cat. No.               | Description | Cat. No. |
|------------------------|-------------|----------|
| BL/SL 3.5 KO SW        | 161010      |          |
| KSW 4 8/3.5W (1...8)   | 163019/0001 |          |
| KSW 4 16/3.5W (1...16) | 163015/0001 |          |
| KSW 4 24/3.5W (1...24) | 164041/0001 |          |
| SDI (0.4x2.5x75)       | 950251      |          |

# BL 3.5/2...24F

Free Socket, with locking flange  
Standard Screw Clamp  
180° Cable Orientation



| Poles | Description | Cat. No. |
|-------|-------------|----------|
| 2     | BL 3.5/2F   | 160664   |
| 3     | BL 3.5/3F   | 160665   |
| 4     | BL 3.5/4F   | 160666   |
| 5     | BL 3.5/5F   | 160667   |
| 6     | BL 3.5/6F   | 160668   |
| 7     | BL 3.5/7F   | 160669   |
| 8     | BL 3.5/8F   | 160670   |
| 9     | BL 3.5/9F   | 160671   |
| 10    | BL 3.5/10F  | 160672   |
| 11    | BL 3.5/11F  | 160673   |
| 12    | BL 3.5/12F  | 160674   |
| 13    | BL 3.5/13F  | 160675   |
| 14    | BL 3.5/14F  | 160676   |
| 15    | BL 3.5/15F  | 160677   |
| 16    | BL 3.5/16F  | 160678   |
| 17    | BL 3.5/17F  | 162076   |
| 18    | BL 3.5/18F  | 162077   |
| 19    | BL 3.5/19F  | 162078   |
| 20    | BL 3.5/20F  | 162079   |
| 21    | BL 3.5/21F  | 162080   |
| 22    | BL 3.5/22F  | 162081   |
| 23    | BL 3.5/23F  | 162082   |
| 24    | BL 3.5/24F  | 162083   |

| Description            | Cat. No.    |
|------------------------|-------------|
| BL/SL 3.5 KO SW        | 161010      |
| KSW 4 8/3.5W (1...8)   | 163019/0001 |
| KSW 4 16/3.5W (1...16) | 163015/0001 |
| KSW 4 24/3.5W (1...24) | 164041/0001 |
| SDI (0.4x2.5x75)       | 950251      |