

## Excellent Integrated System Limited

Stocking Distributor

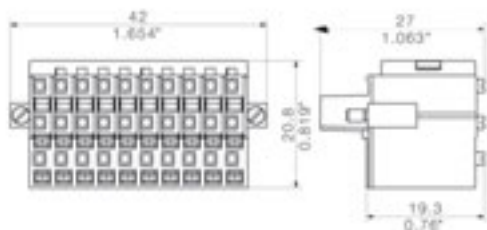
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[Weidmüller](#)  
[1789110000](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

Product catalogue | PCB connection systems | PCB plug-in connectors | Pitch 3.50 mm (0.138 inch) | Socket blocks, PUSH IN connection technology, 3.5-mm pitch | BL-I/O 3.5 PNP LED | BL-I/O 3.5/30 F PNP LED



#### General ordering data

|                  |                                                                                                                                            |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.        | 1789110000                                                                                                                                 |
| Part designation | BL-I/O 3.5/30F PNP LED SW                                                                                                                  |
| Version          | PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 30, 180°, Box |
| EAN              | 4032248208043                                                                                                                              |
| Qty.             | 20 pc(s).                                                                                                                                  |

#### System parameters

|                                           |                        |
|-------------------------------------------|------------------------|
| Conductor connection system               | Push In                |
| Outgoing direction of conductor           | 180°                   |
| Pitch                                     | 3.5 mm                 |
| Pitch in inch                             | 0.138 inch             |
| No. of poles                              | 30                     |
| No. of rows                               | 3                      |
| Screwdriver blade                         | 0.4 x 2.5              |
| Screwdriver blade standard                | DIN 5264               |
| Stripping length                          | 8 mm                   |
| L1 in mm                                  | 31.5 mm                |
| L1 in inch                                | 1.24 inch              |
| Electric shock protection to DIN VDE 0470 | IP 20                  |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch |

#### Material data

|                           |                     |
|---------------------------|---------------------|
| Insulating material       | PBT                 |
| Colour                    | black               |
| colour chart              | Similar to RAL 9011 |
| Insulating material group | IIIa                |
| Flammability class UL 94  | V-0                 |
| CTI                       | >= 200              |
| Contact base material     | Copper alloy        |
| Contact surface           | tinned              |

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#### Connectable conductors

|                                                   |                        |
|---------------------------------------------------|------------------------|
| Clamping range, min.                              | 0.2 mm <sup>2</sup>    |
| Clamping range, max.                              | 1.5 mm <sup>2</sup>    |
| AWG, min.                                         | 24                     |
| AWG, max.                                         | 16                     |
| Solid, min. H05(07) V-U                           | 0.2 mm <sup>2</sup>    |
| Solid, max. H05(07) V-U                           | 1.5 mm <sup>2</sup>    |
| Flexible, min. H05(07) V-K                        | 0.2 mm <sup>2</sup>    |
| Flexible, max. H05(07) V-K                        | 1.5 mm <sup>2</sup>    |
| With wire end ferrule, acc. to DIN 46 228/1, min. | 0.2 mm <sup>2</sup>    |
| With wire end ferrule, acc. to DIN 46 228/1, max. | 1.5 mm <sup>2</sup>    |
| w. plastic collar ferrule, DIN 46228 pt 4, min.   | 0.2 mm <sup>2</sup>    |
| w. plastic collar ferrule, DIN 46228 pt 4, max.   | 1.5 mm <sup>2</sup>    |
| Gauge to EN 60999 a x b; ø                        | 2.4 mm x 1.5 mm; 1.9mm |

#### DIN IEC rating data

|                                                                                |                   |
|--------------------------------------------------------------------------------|-------------------|
| Rated current, min. No. pins (Tu=20°C)                                         | 2.2 A             |
| Rated current, max. No. pins (Tu=20°C)                                         | 2 A               |
| Rated current, min. No. pins (Tu=40°C)                                         | 2.2 A             |
| Rated current, max. No. pins (Tu=40°C)                                         | 2 A               |
| Rated voltage for overvoltage class/pollution severity III/3                   | 50 V              |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 0.8 kV            |
| Short-time withstand current resistance                                        | 3 x 1s with 120 A |

#### CSA rating data

|                                    |      |
|------------------------------------|------|
| Rated voltage (Use group D)        | 50 V |
| Rated current (Use group D)        | 5 A  |
| AWG conductor (field wiring), min. | 22   |
| AWG conductor (field wiring), max. | 16   |

#### UL 1059 rating data

|                             |      |
|-----------------------------|------|
| Rated voltage (Use group D) | 50 V |
| Rated current (Use group D) | 5 A  |
| AWG conductor, min.         | 22   |
| AWG conductor, max.         | 16   |

#### Approvals

Approvals institutes



#### Classifications

|            |             |
|------------|-------------|
| ETIM 2.0   | NK          |
| ETIM 3.0   | EC001284    |
| eClass 4.1 | 27-26-07-01 |
| eClass 5.0 | 27-26-07-01 |
| eClass 5.1 | 27-26-07-04 |

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#### Similar products

| Order No.  | Part designation               | Version                                                                                                                                    |
|------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 1965970000 | BL-I/O 3.5/30F PNP LED GR BED  | PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 30, 180°, Box |
| 1789100000 | BL-I/O 3.5/30FP PNP LED SW     | PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 30, 180°, Box |
| 1965990000 | BL-I/O 3.5/30FP PNP LED GR BED | PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 30, 180°, Box |