

## Excellent Integrated System Limited

Stocking Distributor

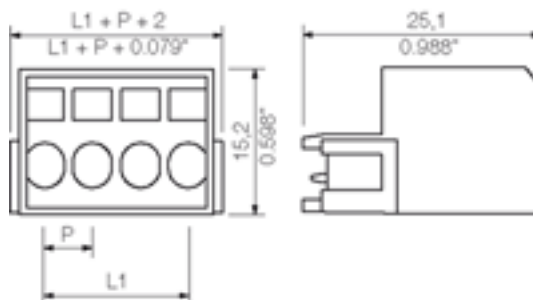
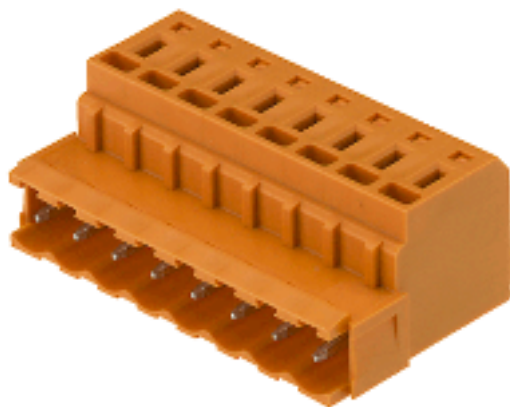
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[Weidmüller](#)  
[1710370000](#)

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 5.00 / 5.08 mm (0.197 / 0.200 inch) | Plug connectors, tension spring connection, pitch 5.00/5.08 | SLZF 5.08/180 | SLZF 5.08/180B



#### General ordering data

|                  |                                                                                                                                                            |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.        | 1710370000                                                                                                                                                 |
| Part designation | SLZF 5.08/18B SN OR                                                                                                                                        |
| Version          | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| EAN              | 4008190319687                                                                                                                                              |
| Qty.             | 20 pc(s).                                                                                                                                                  |

#### System parameters

|                                           |                                                  |
|-------------------------------------------|--------------------------------------------------|
| Conductor connection system               | Tension clamp connection                         |
| Outgoing direction of conductor           | 180°                                             |
| Pitch                                     | 5.08 mm                                          |
| Pitch in inch                             | 0.2 inch                                         |
| No. of poles                              | 18                                               |
| No. of rows                               | 1                                                |
| Screwdriver blade                         | 0.6 x 3.5                                        |
| Screwdriver blade standard                | DIN 5264-A                                       |
| Stripping length                          | 10 mm                                            |
| L1 in mm                                  | 86.36 mm                                         |
| L1 in inch                                | 3.4 inch                                         |
| Electric shock protection to DIN VDE 0470 | Finger-safe plugged/ back-of-hand-safe unplugged |

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#### Material data

|                           |                     |
|---------------------------|---------------------|
| Insulating material       | PBT                 |
| Colour                    | orange              |
| colour chart              | Similar to RAL 2000 |
| Insulating material group | IIIa                |
| Flammability class UL 94  | V-0                 |
| CTI                       | $\geq 200$          |
| Contact base material     | Copper alloy        |
| Contact surface           | tinned              |

#### Connectable conductors

|                                                   |                      |
|---------------------------------------------------|----------------------|
| Clamping range, min.                              | 0.13 mm <sup>2</sup> |
| Clamping range, max.                              | 3.31 mm <sup>2</sup> |
| AWG, min.                                         | 26                   |
| AWG, max.                                         | 12                   |
| Solid, min. H05(07) V-U                           | 0.2 mm <sup>2</sup>  |
| Solid, max. H05(07) V-U                           | 2.5 mm <sup>2</sup>  |
| Flexible, min. H05(07) V-K                        | 0.2 mm <sup>2</sup>  |
| Flexible, max. H05(07) V-K                        | 2.5 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. | 2.5 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; $\emptyset$              | 2.8 mm x 2.0 mm;     |

#### DIN IEC rating data

|                                                                                |                   |
|--------------------------------------------------------------------------------|-------------------|
| Rated current, min. No. pins (Tu=20°C)                                         | 23 A              |
| Rated current, max. No. pins (Tu=20°C)                                         | 16 A              |
| Rated current, min. No. pins (Tu=40°C)                                         | 20 A              |
| Rated current, max. No. pins (Tu=40°C)                                         | 14 A              |
| Rated voltage for overvoltage class/pollution severity II/2                    | 400 V             |
| Rated voltage for overvoltage class/pollution severity III/2                   | 320 V             |
| Rated voltage for overvoltage class/pollution severity III/3                   | 250 V             |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2  | 4 kV              |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 4 kV              |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 4 kV              |
| Short-time withstand current resistance                                        | 3 x 1s with 120 A |

#### CSA rating data

|                                    |       |
|------------------------------------|-------|
| Rated voltage (Use group D)        | 300 V |
| Rated current (Use group D)        | 10 A  |
| AWG conductor (field wiring), min. | 26    |
| AWG conductor (field wiring), max. | 12    |

#### UL 1059 rating data

|                             |       |
|-----------------------------|-------|
| Rated voltage (Use group D) | 300 V |
|-----------------------------|-------|

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#### UL 1059 rating data

|                             |      |
|-----------------------------|------|
| Rated current (Use group D) | 10 A |
| AWG conductor, min.         | 26   |
| AWG conductor, max.         | 12   |

#### 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 |

#### Similar products

| Order No.  | Part designation   | Version                                                                                                                                                   |
|------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1710210000 | SLZF 5.08/2B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1710220000 | SLZF 5.08/3B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 180°, Box |
| 1710230000 | SLZF 5.08/4B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 180°, Box |
| 1710240000 | SLZF 5.08/5B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 180°, Box |
| 1710250000 | SLZF 5.08/6B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 180°, Box |
| 1710260000 | SLZF 5.08/7B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 180°, Box |

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|            |                     |                                                                                                                                                            |
|------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1710270000 | SLZF 5.08/8B SN OR  | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 180°, Box  |
| 1710280000 | SLZF 5.08/9B SN OR  | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 180°, Box  |
| 1710290000 | SLZF 5.08/10B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 1710300000 | SLZF 5.08/11B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 11, 180°, Box |
| 1710310000 | SLZF 5.08/12B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| 1710320000 | SLZF 5.08/13B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 13, 180°, Box |
| 1710330000 | SLZF 5.08/14B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 14, 180°, Box |
| 1710340000 | SLZF 5.08/15B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 15, 180°, Box |
| 1710350000 | SLZF 5.08/16B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 1710360000 | SLZF 5.08/17B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 17, 180°, Box |
| 1710380000 | SLZF 5.08/19B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 19, 180°, Box |
| 1710390000 | SLZF 5.08/20B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 1710400000 | SLZF 5.08/21B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 21, 180°, Box |
| 1710410000 | SLZF 5.08/22B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 22, 180°, Box |
| 1710420000 | SLZF 5.08/23B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 23, 180°, Box |
| 1710430000 | SLZF 5.08/24B SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 24, 180°, Box |