

## Excellent Integrated System Limited

Stocking Distributor

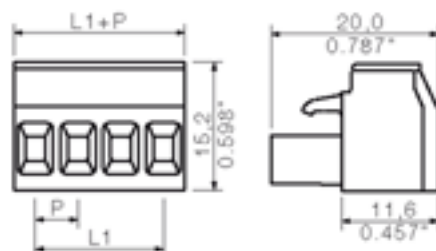
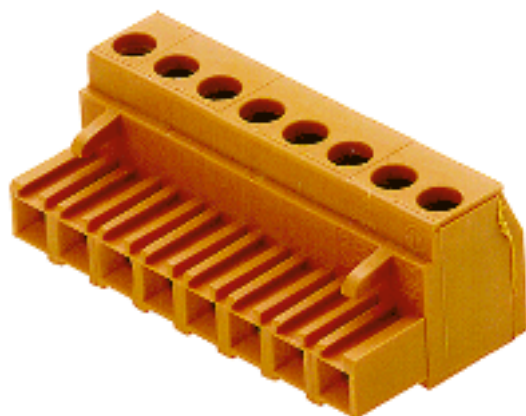
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[Weidmüller](#)  
[1281860000](#)

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 5.08 mm (0.200 inch) - SLA/BLA | Socket strips, cable grip connection pitch 5.08 | BLA | BLA



#### General ordering data

|                  |                                                                                                                                                                      |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.        | 1281860000                                                                                                                                                           |
| Part designation | BLA 3 SN OR                                                                                                                                                          |
| Version          | PCB plug-in connector, Female connectors,<br>Clamping yoke connection, Clamping range, max.:<br>3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 180°,<br>Box |
| EAN              | 4008190074630                                                                                                                                                        |
| Qty.             | 100 pc(s).                                                                                                                                                           |

#### System parameters

|                                           |                                                     |
|-------------------------------------------|-----------------------------------------------------|
| Conductor connection system               | Clamping yoke connection                            |
| Outgoing direction of conductor           | 180°                                                |
| Pitch                                     | 5.08 mm                                             |
| Pitch in inch                             | 0.2 inch                                            |
| No. of poles                              | 3                                                   |
| No. of rows                               | 1                                                   |
| Screwdriver blade                         | 0.6 x 3.5                                           |
| Screwdriver blade standard                | DIN 5264                                            |
| Tightening torque, min.                   | 0.4 Nm                                              |
| Tightening torque, max.                   | 0.5 Nm                                              |
| Clamping screw                            | M 2.5                                               |
| Stripping length                          | 7 mm                                                |
| L1 in mm                                  | 10.16 mm                                            |
| L1 in inch                                | 0.4 inch                                            |
| Electric shock protection to DIN VDE 0470 | Finger-safe unplugged/ back-of-hand-safe<br>plugged |

#### Material data

|                           |                     |
|---------------------------|---------------------|
| Insulating material       | PBT GF              |
| Colour                    | orange              |
| colour chart              | Similar to RAL 2000 |
| Insulating material group | IIIa                |
| Flammability class UL 94  | V-0                 |
| CTI                       | >= 200              |

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#### Material data

|                       |        |
|-----------------------|--------|
| Contact base material | CuSn   |
| Contact surface       | tinned |

#### Connectable conductors

|                                                   |                      |
|---------------------------------------------------|----------------------|
| Clamping range, min.                              | 0.13 mm <sup>2</sup> |
| Clamping range, max.                              | 3.32 mm <sup>2</sup> |
| AWG, min.                                         | 28                   |
| AWG, max.                                         | 16                   |
| 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                        | 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;     |

#### DIN IEC rating data

|                                                                                |                   |
|--------------------------------------------------------------------------------|-------------------|
| Rated current, min. No. pins (Tu=20°C)                                         | 17.5 A            |
| Rated current, max. No. pins (Tu=20°C)                                         | 12.5 A            |
| Rated current, min. No. pins (Tu=40°C)                                         | 16 A              |
| Rated current, max. No. pins (Tu=40°C)                                         | 11 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 100 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 |
| 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                                                                                                                                                     |
|------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1281760000 | BLA 2 SN OR      | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1281960000 | BLA 4 SN OR      | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 180°, Box |
| 1282060000 | BLA 5 SN OR      | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 180°, Box |
| 1282160000 | BLA 6 SN OR      | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 180°, Box |
| 1282260000 | BLA 7 SN OR      | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 180°, Box |
| 1282360000 | BLA 8 SN OR      | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 180°, Box |
| 1282460000 | BLA 9 SN OR      | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 180°, Box |

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|            |              |                                                                                                                                                              |
|------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1282560000 | BLA 10 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 1282660000 | BLA 11 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 11, 180°, Box |
| 1282760000 | BLA 12 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| 1282860000 | BLA 13 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 13, 180°, Box |
| 1282960000 | BLA 14 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 14, 180°, Box |
| 1283060000 | BLA 15 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 15, 180°, Box |
| 1283160000 | BLA 16 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 1283260000 | BLA 17 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 17, 180°, Box |
| 1283360000 | BLA 18 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| 1283460000 | BLA 19 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 19, 180°, Box |
| 1283560000 | BLA 20 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 1283660000 | BLA 21 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 21, 180°, Box |
| 1314260000 | BLA 22 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 22, 180°, Box |
| 1314360000 | BLA 23 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 23, 180°, Box |
| 1314460000 | BLA 24 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 24, 180°, Box |