

## Excellent Integrated System Limited

Stocking Distributor

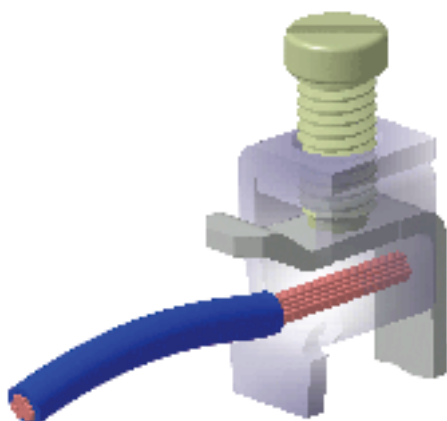
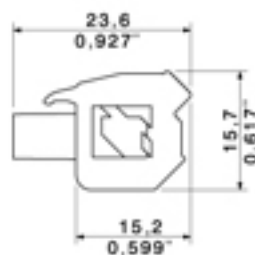
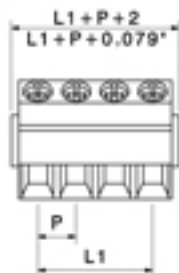
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[Weidmüller](#)  
[1945990000](#)

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) | Socket connectors, tension clamp connection, pitch 5.00/5.08 | BLZP 5.08/225 | BLZP 5.08/225B SN



#### General ordering data

|                  |                                                                                                                                             |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.        | 1945990000                                                                                                                                  |
| Part designation | BLZP 5.08/03/225B SN BK BX                                                                                                                  |
| Version          | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 3, 225°, Box |
| EAN              | 4032248621514                                                                                                                               |
| Qty.             | 108 pc(s).                                                                                                                                  |
| Packaging        | Box                                                                                                                                         |

#### System parameters

|                                 |                          |
|---------------------------------|--------------------------|
| Conductor connection system     | Clamping yoke connection |
| Outgoing direction of conductor | 225°                     |
| Pitch in mm                     | 5.08 mm                  |
| Pitch in inch                   | 0.2 inch                 |
| No. of poles                    | 3                        |
| No. of rows                     | 1                        |
| Screwdriver blade               | 0.6 x 3.5                |

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#### System parameters

|                                             |                        |
|---------------------------------------------|------------------------|
| 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 57 106 | Safe from finger touch |

#### Material data

|                          |              |
|--------------------------|--------------|
| Insulating material      | PBT          |
| Colour                   | black        |
| Flammability class UL 94 | V-0          |
| CTI                      | >= 200       |
| Contact material         | Copper alloy |
| Contact surface          | tinned       |
| Contact base material    | Copper alloy |

#### Connectable conductors

|                                                   |                      |
|---------------------------------------------------|----------------------|
| Clamping range, min.                              | 0.13 mm <sup>2</sup> |
| Clamping range, max.                              | 4 mm <sup>2</sup>    |
| Conductor connection cross-section AWG, min.      | AWG 26               |
| Conductor connection cross-section AWG, max.      | AWG 12               |
| Solid, min. H05(07) V-U                           | 0.2 mm <sup>2</sup>  |
| Solid, max. H05(07) V-U                           | 4 mm <sup>2</sup>    |
| Flexible, min. H05(07) V-K                        | 0.2 mm <sup>2</sup>  |
| Flexible, max. H05(07) V-K                        | 4 mm <sup>2</sup>    |
| w. wire end ferrule, DIN 46228 pt 1, min.         | 0.2 mm <sup>2</sup>  |
| with wire end ferrule, DIN 46228 pt 1, max.       | 4 mm <sup>2</sup>    |
| w. plastic collar ferrule, DIN 46228 pt 4, min.   | 0.2 mm <sup>2</sup>  |
| with plastic collar ferrule, DIN 46228 pt 4, max. | 2.5 mm <sup>2</sup>  |
| Gauge to EN 60999 a x b; ø                        | 2.8 mm x 2.4 mm      |

#### DIN IEC rating data

|                                                                                |                   |
|--------------------------------------------------------------------------------|-------------------|
| Rated current, min. No. of poles (Tu=20°C)                                     | 17.5 A            |
| Rated current, max. No. of poles (Tu=20°C)                                     | 14 A              |
| Rated current, no. of poles (Tu=40°C), min.                                    | 14 A              |
| Rated current, no. of poles (Tu=40°C), max.                                    | 12 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 at overvoltage category/pollution degree 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 |

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#### DIN IEC rating data

#### CSA rating data

|                               |        |
|-------------------------------|--------|
| Rated voltage (Use group B)   | 300 V  |
| Rated current (use group B)   | 10 A   |
| Rated voltage (Use group C)   | 50 V   |
| Rated voltage (use group D)   | 300 V  |
| Rated current (use group D)   | 10 A   |
| Wire cross-section, AWG, min. | AWG 26 |
| Wire cross-section, AWG, max. | AWG 12 |

#### UL 1059 rating data

|                               |        |
|-------------------------------|--------|
| Rated voltage (use group B)   | 300 V  |
| Rated current (use group B)   | 10 A   |
| Rated voltage (use group C)   | 50 V   |
| Rated voltage                 | 300 V  |
| Rated current                 | 10 A   |
| Wire cross-section, AWG, min. | AWG 26 |
| Wire cross-section, AWG, max. | AWG 12 |

#### Approvals

|                      |       |
|----------------------|-------|
| Approvals institutes | CURUS |
|----------------------|-------|

#### Classifications

|            |             |
|------------|-------------|
| eClass 6.0 | 27-26-07-08 |
|------------|-------------|

#### Notes

Notes

#### Similar products

| Order No.  | Part designation           | Version                                                                                                                                     |
|------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 1946080000 | BLZP 5.08/12/225B SN BK BX |                                                                                                                                             |
| 1945750000 | BLZP 5.08/02/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 2, 225°, Box |
| 1945760000 | BLZP 5.08/03/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 3, 225°, Box |
| 1945770000 | BLZP 5.08/04/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 4, 225°, Box |
| 1945780000 | BLZP 5.08/05/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 5, 225°, Box |
| 1945790000 | BLZP 5.08/06/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 6, 225°, Box |
| 1945800000 | BLZP 5.08/07/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 7, 225°, Box |
| 1945810000 | BLZP 5.08/08/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 8, 225°, Box |
| 1945820000 | BLZP 5.08/09/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 9, 225°, Box |

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|            |                            |                                                                                                                                              |
|------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 1945830000 | BLZP 5.08/10/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 10, 225°, Box |
| 1945840000 | BLZP 5.08/11/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 11, 225°, Box |
| 1945850000 | BLZP 5.08/12/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 12, 225°, Box |
| 1945860000 | BLZP 5.08/13/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 13, 225°, Box |
| 1945870000 | BLZP 5.08/14/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 14, 225°, Box |
| 1945880000 | BLZP 5.08/15/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 15, 225°, Box |
| 1945890000 | BLZP 5.08/16/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 16, 225°, Box |
| 1945900000 | BLZP 5.08/17/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 17, 225°, Box |
| 1945910000 | BLZP 5.08/18/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 18, 225°, Box |
| 1945920000 | BLZP 5.08/19/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 19, 225°, Box |
| 1945930000 | BLZP 5.08/20/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 20, 225°, Box |
| 1945940000 | BLZP 5.08/21/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 21, 225°, Box |
| 1945950000 | BLZP 5.08/22/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 22, 225°, Box |
| 1945960000 | BLZP 5.08/23/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 23, 225°, Box |
| 1945970000 | BLZP 5.08/24/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 24, 225°, Box |