



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 1944020000   |
| Part designation | BLZP 5.08/23/180 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: 23, 180°, Box |
| EAN              | 4032248618200  |
| Qty.             | 18 pc(s).  |
| Packaging        | Box  |

#### System parameters

|                                 |                          |
|---------------------------------|--------------------------|
| Conductor connection system     | Clamping yoke connection |
| Outgoing direction of conductor | 180°                     |
| Pitch in mm                     | 5.08 mm                  |
| Pitch in inch                   | 0.2 inch                 |
| No. of poles                    | 23                       |
| No. of rows                     | 1                        |
| Screwdriver blade               | 0.6 x 3.5                |

#### 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                                    | 111.76 mm              |
| L1 in inch                                  | 4.4 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)                                     | 19 A              |
| Rated current, max. No. of poles (Tu=20°C)                                     | 15.5 A            |
| Rated current, no. of poles (Tu=40°C), min.                                    | 16 A              |
| Rated current, no. of poles (Tu=40°C), max.                                    | 13 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 |

#### 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  |
|------------|---------------------------|--|
| 1943580000 | BLZP 5.08/02/180 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, 180°, Box  |
| 1943590000 | BLZP 5.08/03/180 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, 180°, Box  |
| 1943600000 | BLZP 5.08/04/180 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, 180°, Box  |
| 1943610000 | BLZP 5.08/05/180 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, 180°, Box  |
| 1943620000 | BLZP 5.08/06/180 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, 180°, Box  |
| 1943630000 | BLZP 5.08/07/180 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, 180°, Box  |
| 1943640000 | BLZP 5.08/08/180 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, 180°, Box  |
| 1943650000 | BLZP 5.08/09/180 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, 180°, Box  |
| 1943660000 | BLZP 5.08/10/180 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, 180°, Box |

|            |                           |  |
|------------|---------------------------|--|
| 1943670000 | BLZP 5.08/11/180 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, 180°, Box |
| 1943680000 | BLZP 5.08/12/180 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, 180°, Box |
| 1943690000 | BLZP 5.08/13/180 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, 180°, Box |
| 1943700000 | BLZP 5.08/14/180 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, 180°, Box |
| 1943710000 | BLZP 5.08/15/180 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, 180°, Box |
| 1943720000 | BLZP 5.08/16/180 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, 180°, Box |
| 1943730000 | BLZP 5.08/17/180 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, 180°, Box |
| 1943740000 | BLZP 5.08/18/180 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, 180°, Box |
| 1943750000 | BLZP 5.08/19/180 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, 180°, Box |
| 1943760000 | BLZP 5.08/20/180 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, 180°, Box |
| 1943770000 | BLZP 5.08/21/180 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, 180°, Box |
| 1943780000 | BLZP 5.08/22/180 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, 180°, Box |
| 1943790000 | BLZP 5.08/23/180 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, 180°, Box |
| 1943800000 | BLZP 5.08/24/180 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, 180°, Box |