



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 1958430000   |
| Part designation | BLZP 5.00/18/90 SN BK BX   |
| Version          | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 18, 90°, Box |
| EAN              | 4032248637232  |
| Qty.             | 18 pc(s).  |
| Packaging        | Box  |

#### System parameters

|                                 |                          |
|---------------------------------|--------------------------|
| Conductor connection system     | Clamping yoke connection |
| Outgoing direction of conductor | 90°                      |
| Pitch in mm                     | 5 mm                     |
| Pitch in inch                   | 0.197 inch               |
| No. of poles                    | 18                       |
| 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                                    | 85 mm                  |
| L1 in inch                                  | 3.346 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)                                     | 15.5 A            |
| Rated current, max. No. of poles (Tu=20°C)                                     | 13 A              |
| Rated current, no. of poles (Tu=40°C), min.                                    | 12 A              |
| Rated current, no. of poles (Tu=40°C), max.                                    | 10.5 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  |
|------------|--------------------------|--|
| 1958300000 | BLZP 5.00/02/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 2, 90°, Box  |
| 1958290000 | BLZP 5.00/03/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 3, 90°, Box  |
| 1958280000 | BLZP 5.00/04/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 4, 90°, Box  |
| 1958270000 | BLZP 5.00/05/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 5, 90°, Box  |
| 1958260000 | BLZP 5.00/06/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 6, 90°, Box  |
| 1958250000 | BLZP 5.00/07/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 7, 90°, Box  |
| 1958230000 | BLZP 5.00/08/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 8, 90°, Box  |
| 1958190000 | BLZP 5.00/09/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 9, 90°, Box  |
| 1958160000 | BLZP 5.00/10/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 10, 90°, Box |

|            |                          |  |
|------------|--------------------------|--|
| 1958130000 | BLZP 5.00/11/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 11, 90°, Box |
| 1958120000 | BLZP 5.00/12/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 12, 90°, Box |
| 1958090000 | BLZP 5.00/13/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 13, 90°, Box |
| 1958060000 | BLZP 5.00/14/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 14, 90°, Box |
| 1958040000 | BLZP 5.00/15/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 15, 90°, Box |
| 1957960000 | BLZP 5.00/16/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 16, 90°, Box |
| 1957910000 | BLZP 5.00/17/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 17, 90°, Box |
| 1957900000 | BLZP 5.00/18/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 18, 90°, Box |
| 1957880000 | BLZP 5.00/19/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 19, 90°, Box |
| 1957850000 | BLZP 5.00/20/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 20, 90°, Box |
| 1957830000 | BLZP 5.00/21/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 21, 90°, Box |
| 1957820000 | BLZP 5.00/22/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 22, 90°, Box |
| 1957800000 | BLZP 5.00/23/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 23, 90°, Box |
| 1957780000 | BLZP 5.00/24/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 24, 90°, Box |