



#### General ordering data

|                  |                                                                                                                                                                    |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.        | 1956460000                                                                                                                                                         |
| Part designation | BLZP 5.00/16LR SN SW                                                                                                                                               |
| Version          | PCB plug-in connector, Female connectors,<br>Clamping yoke connection, Clamping range, max.:<br>4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 16, 180°,<br>Box |
| EAN              | 4032248635238                                                                                                                                                      |
| Qty.             | 27 pc(s).                                                                                                                                                          |

#### System parameters

|                                           |                          |
|-------------------------------------------|--------------------------|
| Conductor connection system               | Clamping yoke connection |
| Outgoing direction of conductor           | 180°                     |
| Pitch                                     | 5 mm                     |
| Pitch in inch                             | 0.197 inch               |
| No. of poles                              | 16                       |
| 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                                  | 75 mm                    |
| L1 in inch                                | 2.953 inch               |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch   |

#### Material data

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

## Material data

### Connectable conductors

|                                                   |                      |
|---------------------------------------------------|----------------------|
| Clamping range, min.                              | 0.13 mm <sup>2</sup> |
| Clamping range, max.                              | 4 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                           | 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>    |
| 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. | 4 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.   | 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. pins (Tu=20°C)                                         | 19 A              |
| Rated current, max. No. pins (Tu=20°C)                                         | 15.5 A            |
| Rated current, min. No. pins (Tu=40°C)                                         | 16 A              |
| Rated current, max. No. pins (Tu=40°C)                                         | 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 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 C)        | 50 V  |
| 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 C) | 50 V  |
| 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



## Similar products

| Order No.  | Part designation     | Version                                                                                                                                                  |
|------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1956370000 | BLZP 5.00/02LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 180°, Box |
| 1956600000 | BLZP 5.00/02LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 180°, Box |
| 1956360000 | BLZP 5.00/03LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 180°, Box |
| 1956590000 | BLZP 5.00/03LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 180°, Box |
| 1956350000 | BLZP 5.00/04LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 180°, Box |
| 1956580000 | BLZP 5.00/04LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 180°, Box |
| 1956340000 | BLZP 5.00/05LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 180°, Box |
| 1956570000 | BLZP 5.00/05LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 180°, Box |
| 1956330000 | BLZP 5.00/06LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 180°, Box |
| 1956560000 | BLZP 5.00/06LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 180°, Box |
| 1956320000 | BLZP 5.00/07LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 180°, Box |
| 1956550000 | BLZP 5.00/07LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 180°, Box |
| 1956310000 | BLZP 5.00/08LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 180°, Box |

|            |                      |                                                                                                                                                           |
|------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1956540000 | BLZP 5.00/08LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 180°, Box  |
| 1956300000 | BLZP 5.00/09LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 9, 180°, Box  |
| 1956530000 | BLZP 5.00/09LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 9, 180°, Box  |
| 1956290000 | BLZP 5.00/10LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 10, 180°, Box |
| 1956520000 | BLZP 5.00/10LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 10, 180°, Box |
| 1956280000 | BLZP 5.00/11LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 11, 180°, Box |
| 1956510000 | BLZP 5.00/11LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 11, 180°, Box |
| 1956270000 | BLZP 5.00/12LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 12, 180°, Box |
| 1956500000 | BLZP 5.00/12LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 12, 180°, Box |
| 1956260000 | BLZP 5.00/13LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 13, 180°, Box |
| 1956490000 | BLZP 5.00/13LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 13, 180°, Box |
| 1956250000 | BLZP 5.00/14LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 14, 180°, Box |
| 1956480000 | BLZP 5.00/14LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 14, 180°, Box |
| 1956240000 | BLZP 5.00/15LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 15, 180°, Box |
| 1956470000 | BLZP 5.00/15LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 15, 180°, Box |
| 1956230000 | BLZP 5.00/16LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 16, 180°, Box |
| 1956220000 | BLZP 5.00/17LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 17, 180°, Box |

|            |                      |                                                                                                                                                           |
|------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1956450000 | BLZP 5.00/17LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 17, 180°, Box |
| 1956210000 | BLZP 5.00/18LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 18, 180°, Box |
| 1956440000 | BLZP 5.00/18LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 18, 180°, Box |
| 1956200000 | BLZP 5.00/19LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 19, 180°, Box |
| 1956430000 | BLZP 5.00/19LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 19, 180°, Box |
| 1956190000 | BLZP 5.00/20LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 20, 180°, Box |
| 1956420000 | BLZP 5.00/20LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 20, 180°, Box |
| 1956180000 | BLZP 5.00/21LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 21, 180°, Box |
| 1956410000 | BLZP 5.00/21LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 21, 180°, Box |
| 1956170000 | BLZP 5.00/22LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 22, 180°, Box |
| 1956400000 | BLZP 5.00/22LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 22, 180°, Box |
| 1956160000 | BLZP 5.00/23LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 23, 180°, Box |
| 1956390000 | BLZP 5.00/23LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 23, 180°, Box |
| 1956150000 | BLZP 5.00/24LR SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 24, 180°, Box |
| 1956380000 | BLZP 5.00/24LR SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 24, 180°, Box |