



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 1770680000   |
| Part designation | BLIDCB 3.5/3 SN SW   |
| Version          | PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 3, 90°/270°, Box |
| EAN              | 4032248174461  |
| Qty.             | 10 pc(s).  |

#### System parameters

|   |                        |
|---|------------------------|
| Conductor connection system               | IDC terminal           |
| Outgoing direction of conductor           | 90°/270°               |
| Pitch                                     | 3.5 mm                 |
| Pitch in inch                             | 0.138 inch             |
| No. of poles                              | 3                      |
| No. of rows                               | 1                      |
| Screwdriver blade                         | 0.4 x 2.5              |
| Screwdriver blade standard                | DIN 5264-A             |
| L1 in mm                                  | 7 mm                   |
| L1 in inch                                | 0.276 inch             |
| Electric shock protection to DIN VDE 0470 | IP 20                  |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch |

#### Material data

|                           |                     |
|---------------------------|---------------------|
| Insulating material       | PBT                 |
| Colour                    | black               |
| colour chart              | Similar to RAL 9011 |
| Insulating material group | IIIa                |
| Flammability class UL 94  | V-0                 |
| CTI                       | >= 200              |
| Contact base material     | CuSn                |
| Contact surface           | tinned              |

#### Connectable conductors

|                                    |                      |
|------------------------------------|----------------------|
| Clamping range, min.               | 0.32 mm <sup>2</sup> |
| Clamping range, max.               | 0.5 mm <sup>2</sup>  |
| AWG, min.                          | 22                   |
| AWG, max.                          | 20                   |
| Outer diameter of insulation, max. | 2.1 mm               |
| Solid, min. H05(07) V-U            | 0.2 mm <sup>2</sup>  |
| Solid, max. H05(07) V-U            | 0.5 mm <sup>2</sup>  |
| Flexible, min. H05(07) V-K         | 0.2 mm <sup>2</sup>  |
| Flexible, max. H05(07) V-K         | 0.5 mm <sup>2</sup>  |

#### DIN IEC rating data

|  |                  |
|--|------------------|
| Rated current, min. No. pins (Tu=20°C)   | 6 A              |
| Rated current, max. No. pins (Tu=20°C)   | 6 A              |
| Rated current, min. No. pins (Tu=40°C)   | 6 A              |
| Rated current, max. No. pins (Tu=40°C)   | 5 A              |
| Rated voltage for overvoltage class/pollution severity II/2                    | 320 V            |
| Rated voltage for overvoltage class/pollution severity III/2                   | 160 V            |
| Rated voltage for overvoltage class/pollution severity III/3                   | 160 V            |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2  | 2.5 kV           |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 2.5 kV           |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 2.5 kV           |
| Short-time withstand current resistance  | 3 x 1s with 60 A |

#### CSA rating data

|                                    |       |
|------------------------------------|-------|
| Rated voltage (Use group D)        | 300 V |
| Rated current (Use group D)        | 7 A   |
| AWG conductor (field wiring), min. | 22    |
| AWG conductor (field wiring), max. | 20    |

#### UL 1059 rating data

|                             |       |
|-----------------------------|-------|
| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 7 A   |
| AWG conductor, min.         | 22    |
| AWG conductor, max.         | 20    |

## 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  |
|------------|--------------------|--|
| 1751380000 | BLIDCB 3.5/2 SN OR | PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 2, 90°/270°, Box |
| 1770670000 | BLIDCB 3.5/2 SN SW | PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 2, 90°/270°, Box |
| 1751390000 | BLIDCB 3.5/3 SN OR | PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 3, 90°/270°, Box |
| 1751400000 | BLIDCB 3.5/4 SN OR | PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 4, 90°/270°, Box |
| 1770690000 | BLIDCB 3.5/4 SN SW | PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 4, 90°/270°, Box |
| 1751410000 | BLIDCB 3.5/5 SN OR | PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 5, 90°/270°, Box |
| 1770700000 | BLIDCB 3.5/5 SN SW | PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 5, 90°/270°, Box |
| 1751420000 | BLIDCB 3.5/6 SN OR | PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 6, 90°/270°, Box |
| 1770710000 | BLIDCB 3.5/6 SN SW | PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 6, 90°/270°, Box |
| 1751430000 | BLIDCB 3.5/7 SN OR | PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 7, 90°/270°, Box |
| 1770720000 | BLIDCB 3.5/7 SN SW | PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 7, 90°/270°, Box |

|            |                    |  |
|------------|--------------------|--|
| 1751440000 | BLIDCB 3.5/8 SN OR | PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 8, 90°/270°, Box |
| 1770730000 | BLIDCB 3.5/8 SN SW | PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 8, 90°/270°, Box |