



General ordering data

| | |
|------------------|--|
| Order No. | 1789100000 |
| Part designation | BL-I/O 3.5/30FP PNP LED SW |
| Version | PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 1.5 mm ² , Pitch: 3.50 mm, No. of poles: 30, 180°, Box |
| EAN | 4032248208036 |
| Qty. | 20 pc(s). |

System parameters

| | |
|---|------------------------|
| Conductor connection system | Push In |
| Outgoing direction of conductor | 180° |
| Pitch | 3.5 mm |
| Pitch in inch | 0.138 inch |
| No. of poles | 30 |
| No. of rows | 3 |
| Screwdriver blade | 0.4 x 2.5 |
| Screwdriver blade standard | DIN 5264 |
| Stripping length | 8 mm |
| L1 in mm | 31.5 mm |
| L1 in inch | 1.24 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 | Copper alloy |
| Contact surface | tinned |

Connectable conductors

| | |
|---|------------------------|
| Clamping range, min. | 0.2 mm ² |
| Clamping range, max. | 1.5 mm ² |
| AWG, min. | 24 |
| AWG, max. | 16 |
| Solid, min. H05(07) V-U | 0.2 mm ² |
| Solid, max. H05(07) V-U | 1.5 mm ² |
| Flexible, min. H05(07) V-K | 0.2 mm ² |
| Flexible, max. H05(07) V-K | 1.5 mm ² |
| With wire end ferrule, acc. to DIN 46 228/1, min. | 0.2 mm ² |
| With wire end ferrule, acc. to DIN 46 228/1, max. | 1.5 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.2 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, max. | 1.5 mm ² |
| Gauge to EN 60999 a x b; ø | 2.4 mm x 1.5 mm; 1.9mm |

DIN IEC rating data

| | |
|--|-------------------|
| Rated current, min. No. pins (Tu=20°C) | 2.2 A |
| Rated current, max. No. pins (Tu=20°C) | 2 A |
| Rated current, min. No. pins (Tu=40°C) | 2.2 A |
| Rated current, max. No. pins (Tu=40°C) | 2 A |
| Rated voltage for overvoltage class/pollution severity III/3 | 50 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 0.8 kV |
| Short-time withstand current resistance | 3 x 1s with 120 A |

CSA rating data

| | |
|------------------------------------|------|
| Rated voltage (Use group D) | 50 V |
| Rated current (Use group D) | 5 A |
| AWG conductor (field wiring), min. | 22 |
| AWG conductor (field wiring), max. | 16 |

UL 1059 rating data

| | |
|-----------------------------|------|
| Rated voltage (Use group D) | 50 V |
| Rated current (Use group D) | 5 A |
| AWG conductor, min. | 22 |
| AWG conductor, max. | 16 |

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 |
|------------|-----------------------------------|--|
| 1789110000 | BL-I/O 3.5/30F PNP LED SW | PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 1.5 mm ² , Pitch: 3.50 mm, No. of poles: 30, 180°, Box |
| 1965970000 | BL-I/O 3.5/30F PNP LED GR BED | PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 1.5 mm ² , Pitch: 3.50 mm, No. of poles: 30, 180°, Box |
| 1965990000 | BL-I/O 3.5/30FP PNP LED GR BED | PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 1.5 mm ² , Pitch: 3.50 mm, No. of poles: 30, 180°, Box |