



#### General ordering data

Order No.	1779880000
Part designation	BL-I/O 3.5/10F SW
Version	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 10, 180°, Box
EAN	4032248165209
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	10
No. of rows	1
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 <sup>2</sup>
Clamping range, max.	1.5 mm <sup>2</sup>
AWG, min.	24
AWG, max.	16
Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>
Solid, max. H05(07) V-U	1.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>
Flexible, max. H05(07) V-K	1.5 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.	1.5 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.	1.5 mm <sup>2</sup>
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 II/2	200 V
Rated voltage for overvoltage class/pollution severity III/2	160 V
Rated voltage for overvoltage class/pollution severity III/3	50 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	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



## Approvals

## 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
1871690000	BL-I/O 3.5/10F GR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 10, 180°, Box
1779870000	BL-I/O 3.5/10FP SW	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 10, 180°, Box
1965890000	BL-I/O 3.5/10FP GR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 10, 180°, Box