

## Excellent Integrated System Limited

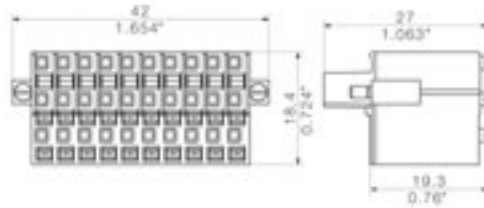
Stocking Distributor

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[Weidmüller](#)  
[1779920000](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



#### General ordering data

Order No.	1779920000
Part designation	BL-I/O 3.5/30F 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: 30, 180°, Box
EAN	4032248165247
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 <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



Product catalogue | PCB connection systems | PCB plug-in connectors | Pitch 3.50 mm (0.138 inch) | Socket blocks, PUSH IN connection technology, 3.5-mm pitch | BL-I/O 3.5 | BL-I/O 3.5/30

### 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
1965910000	BL-I/O 3.5/30F 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: 30, 180°, Box
1779910000	BL-I/O 3.5/30FP 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: 30, 180°, Box
1965930000	BL-I/O 3.5/30FP 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: 30, 180°, Box
1792330000	BL-I/O 3.5/30F M SW BED.	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 30, 180°, Box