



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 ² , 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 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 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
1965910000	BL-I/O 3.5/30F GR	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
1779910000	BL-I/O 3.5/30FP 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
1965930000	BL-I/O 3.5/30FP GR	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
1792330000	BL-I/O 3.5/30F M SW 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