



General ordering data

Order No.	1727690000
Part designation	B2L 3.5/16 SN SW
Version	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 16, 180°, Box
EAN	4032248037889
Qty	50 pc(s).

System parameters

Conductor connection system	Tension clamp connection
Outgoing direction of conductor	180°
Pitch	3.5 mm
Pitch in inch	0.138 inch
Number of poles	16
No. of rows	2
Stripping length	7 mm
L1 in mm	24.5 mm
L1 in inch	0.965 inch
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 0470	Safe from finger touch

Material data

Insulation material	PBT
Colour	black
Description of plastic colour	ähnlich RAL 9011
Insulating material group	IIIa
UL 94 combustibility class	V-0
CTI	>= 200
Contact base material	Cu alloy
Contact surface	tinned

Connectable conductors

Clamping range, min.	0.08 mm ²
Clamping range, max.	1 mm ²
AWG, min.	28
AWG, max.	18
Solid, min. H05(07) V-U	0.2 mm ²
Solid, max. H05(07) V-U	1 mm ²
fine-stranded, min. H05(07) V-U	0.2 mm ²
fine-stranded, max. H05(07) V-U	1 mm ²
Wire end ferrule , DIN 46 228/1, min.	0.13 mm ²
Wire end ferrule , DIN 46 228/1, max.	0.34 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.13 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	0.34 mm ²

DIN IEC rating data

Rated voltage for overvoltage class/pollution severity II/2	250 V
Rated voltage for overvoltage class/pollution severity III/2	125 V
Rated voltage for overvoltage class/pollution severity III/3	80 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 77 A

CSA rating data

Rated voltage	50 V
Rated current	5 A
AWG conductor (field wiring), min.	28
AWG conductor (field wiring), max.	18

UL 1059 rating data

Rated voltage	150 V
Rated current	10 A
AWG conductor (field wiring), min.	22
AWG conductor (field wiring), max.	18

Approvals

Approval body



Classifications

ETIM 2.0	NK
eClass 4.1	27-26-07-01
eClass 5.0	27-26-07-01
eClass 5.1	27-26-07-01

Similar products

Order No.	Part designation	Version
1747970000	B2L 3.5/30 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 30, 180°, Box
1747930000	B2L 3.5/22 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 22, 180°, Box
1727630000	B2L 3.5/20 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 20, 180°, Box
1747880000	B2L 3.5/28 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 28, 180°, Box
1747860000	B2L 3.5/24 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 24, 180°, Box
1747850000	B2L 3.5/22 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 22, 180°, Box
1747940000	B2L 3.5/24 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 24, 180°, Box
1727710000	B2L 3.5/20 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 20, 180°, Box

1747960000	B2L 3.5/28 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 28, 180°, Box
1747900000	B2L 3.5/32 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 32, 180°, Box
1727620000	B2L 3.5/18 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 18, 180°, Box
1727560000	B2L 3.5/6 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 6, 180°, Box
1727570000	B2L 3.5/8 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 8, 180°, Box
1747910000	B2L 3.5/34 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 34, 180°, Box
1747870000	B2L 3.5/26 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 26, 180°, Box
1920840000	B2L 3.5/04 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 4, 180°, Box
1727700000	B2L 3.5/18 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 18, 180°, Box
1748000000	B2L 3.5/36 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 36, 180°, Box
1747890000	B2L 3.5/30 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 30, 180°, Box
1727590000	B2L 3.5/12 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 12, 180°, Box
1727680000	B2L 3.5/14 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 14, 180°, Box
1727690000	B2L 3.5/16 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 16, 180°, Box
1727650000	B2L 3.5/8 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 8, 180°, Box
1747980000	B2L 3.5/32 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 32, 180°, Box
1727600000	B2L 3.5/14 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 14, 180°, Box

1006630000	B2L 3.5/04 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 4, 180°, Box
1747950000	B2L 3.5/26 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 26, 180°, Box
1747920000	B2L 3.5/36 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 36, 180°, Box
1727580000	B2L 3.5/10 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 10, 180°, Box
1727640000	B2L 3.5/6 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 6, 180°, Box
1747990000	B2L 3.5/34 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 34, 180°, Box
1727610000	B2L 3.5/16 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 16, 180°, Box
1727670000	B2L 3.5/12 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 12, 180°, Box
1727660000	B2L 3.5/10 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 1 mm ² , Pitch: 3.50 mm, Number of poles: 10, 180°, Box