



General ordering data

Order No.	1751430000
Part designation	BLIDCB 3.5/7 SN OR
Version	PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm ² , Pitch: 3.50 mm, No. of poles: 7, 90°/270°, Box
EAN	4032248174362
Qty.	10 pc(s).

System parameters

Conductor connection system	IDC terminal
Outgoing direction of conductor	90°/270°
Pitch	3.5 mm
Pitch in inch	0.138 inch
No. of poles	7
No. of rows	1
Screwdriver blade	0.4 x 2.5
Screwdriver blade standard	DIN 5264-A
L1 in mm	21 mm
L1 in inch	0.827 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	orange
colour chart	Similar to RAL 2000
Insulating material group	IIIa
Flammability class UL 94	V-0
CTI	>= 200
Contact base material	CuSn
Contact surface	tinned

Connectable conductors

Clamping range, min.	0.32 mm ²
Clamping range, max.	0.5 mm ²
AWG, min.	22
AWG, max.	20
Outer diameter of insulation, max.	2.1 mm
Solid, min. H05(07) V-U	0.2 mm ²
Solid, max. H05(07) V-U	0.5 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²
Flexible, max. H05(07) V-K	0.5 mm ²

DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	6 A
Rated current, max. No. pins (Tu=20°C)	6 A
Rated current, min. No. pins (Tu=40°C)	6 A
Rated current, max. No. pins (Tu=40°C)	5 A
Rated voltage for overvoltage class/pollution severity II/2	320 V
Rated voltage for overvoltage class/pollution severity III/2	160 V
Rated voltage for overvoltage class/pollution severity III/3	160 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 60 A

CSA rating data

Rated voltage (Use group D)	300 V
Rated current (Use group D)	7 A
AWG conductor (field wiring), min.	22
AWG conductor (field wiring), max.	20

UL 1059 rating data

Rated voltage (Use group D)	300 V
Rated current (Use group D)	7 A
AWG conductor, min.	22
AWG conductor, max.	20

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
1751380000	BLIDCB 3.5/2 SN OR	PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm ² , Pitch: 3.50 mm, No. of poles: 2, 90°/270°, Box
1770670000	BLIDCB 3.5/2 SN SW	PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm ² , Pitch: 3.50 mm, No. of poles: 2, 90°/270°, Box
1751390000	BLIDCB 3.5/3 SN OR	PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm ² , Pitch: 3.50 mm, No. of poles: 3, 90°/270°, Box
1770680000	BLIDCB 3.5/3 SN SW	PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm ² , Pitch: 3.50 mm, No. of poles: 3, 90°/270°, Box
1751400000	BLIDCB 3.5/4 SN OR	PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm ² , Pitch: 3.50 mm, No. of poles: 4, 90°/270°, Box
1770690000	BLIDCB 3.5/4 SN SW	PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm ² , Pitch: 3.50 mm, No. of poles: 4, 90°/270°, Box
1751410000	BLIDCB 3.5/5 SN OR	PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm ² , Pitch: 3.50 mm, No. of poles: 5, 90°/270°, Box
1770700000	BLIDCB 3.5/5 SN SW	PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm ² , Pitch: 3.50 mm, No. of poles: 5, 90°/270°, Box
1751420000	BLIDCB 3.5/6 SN OR	PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm ² , Pitch: 3.50 mm, No. of poles: 6, 90°/270°, Box
1770710000	BLIDCB 3.5/6 SN SW	PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm ² , Pitch: 3.50 mm, No. of poles: 6, 90°/270°, Box
1770720000	BLIDCB 3.5/7 SN SW	PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm ² , Pitch: 3.50 mm, No. of poles: 7, 90°/270°, Box

1751440000	BLIDCB 3.5/8 SN OR	PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm ² , Pitch: 3.50 mm, No. of poles: 8, 90°/270°, Box
1770730000	BLIDCB 3.5/8 SN SW	PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm ² , Pitch: 3.50 mm, No. of poles: 8, 90°/270°, Box