



General ordering data

Order No.	1751500000
Part designation	BLIDCB 3.5/7F 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	4032248174430
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
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Connectable conductors

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

Classifications

eClass 5.0	27-26-07-01
eClass 5.1	27-26-07-04

Similar products

Order No.	Part designation	Version
1751450000	BLIDCB 3.5/2F 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
1770740000	BLIDCB 3.5/2F 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
1751460000	BLIDCB 3.5/3F 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
1770750000	BLIDCB 3.5/3F 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
1751470000	BLIDCB 3.5/4F 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
1770760000	BLIDCB 3.5/4F 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
1751480000	BLIDCB 3.5/5F 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
1770770000	BLIDCB 3.5/5F 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
1751490000	BLIDCB 3.5/6F 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
1770780000	BLIDCB 3.5/6F 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
1770790000	BLIDCB 3.5/7F 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
1751510000	BLIDCB 3.5/8F 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
1770800000	BLIDCB 3.5/8F 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