



General ordering data

Order No.	1750830000
Part designation	BLIDC 3.5/6 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: 6, 90°/180°, Box
EAN	4032248146123
Qty.	50 pc(s).

System parameters

Conductor connection system	IDC terminal
Outgoing direction of conductor	90°/180°
Pitch	3.5 mm
Pitch in inch	0.138 inch
No. of poles	6
No. of rows	1
Screwdriver blade	0.4 x 2.5
Screwdriver blade standard	DIN 5264-A
L1 in mm	17.5 mm
L1 in inch	0.689 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
1750790000	BLIDC 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°/180°, Box
1770940000	BLIDC 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°/180°, Box
1750800000	BLIDC 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°/180°, Box
1750810000	BLIDC 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°/180°, Box
1750820000	BLIDC 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°/180°, Box
1750840000	BLIDC 3.5/7 SN OR	PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm ² , Pitch: 3.50 mm, No. of poles: 7, 90°/180°, Box
1750850000	BLIDC 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°/180°, Box
1750860000	BLIDC 3.5/9 SN OR	PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm ² , Pitch: 3.50 mm, No. of poles: 9, 90°/180°, Box
1750870000	BLIDC 3.5/10 SN OR	PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm ² , Pitch: 3.50 mm, No. of poles: 10, 90°/180°, Box
1750880000	BLIDC 3.5/11 SN OR	PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm ² , Pitch: 3.50 mm, No. of poles: 11, 90°/180°, Box
1750890000	BLIDC 3.5/12 SN OR	PCB plug-in connector, Female connectors, IDC terminal, Clamping range, max.: 0.5 mm ² , Pitch: 3.50 mm, No. of poles: 12, 90°/180°, Box