



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

#### 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 12, 90°/180°, Box