



General ordering data

Order No.	1283560000
Part designation	BLA 20 SN OR
Version	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 20, 180°, Box
EAN	4008190181871
Qty.	20 pc(s).

System parameters

Conductor connection system	Clamping yoke connection
Outgoing direction of conductor	180°
Pitch	5.08 mm
Pitch in inch	0.2 inch
No. of poles	20
No. of rows	1
Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264
Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.5 Nm
Clamping screw	M 2.5
Stripping length	7 mm
L1 in mm	96.52 mm
L1 in inch	3.8 inch
Electric shock protection to DIN VDE 0470	Finger-safe unplugged/ back-of-hand-safe plugged

Material data

Insulating material	PBT GF
Colour	orange
colour chart	Similar to RAL 2000
Insulating material group	IIIa
Flammability class UL 94	V-0
CTI	>= 200

Material data

Contact base material	CuSn
Contact surface	tinned

Connectable conductors

Clamping range, min.	0.13 mm ²
Clamping range, max.	3.32 mm ²
AWG, min.	28
AWG, max.	16
Solid, min. H05(07) V-U	0.2 mm ²
Solid, max. H05(07) V-U	2.5 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²
Flexible, max. H05(07) V-K	1.5 mm ²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.2 mm ²
With wire end ferrule, acc. to DIN 46 228/1, max.	1.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm ²
Gauge to EN 60999 a x b; ø	2.4 mm x 1.5 mm;

DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	17.5 A
Rated current, max. No. pins (Tu=20°C)	12.5 A
Rated current, min. No. pins (Tu=40°C)	16 A
Rated current, max. No. pins (Tu=40°C)	11 A
Rated voltage for overvoltage class/pollution severity II/2	400 V
Rated voltage for overvoltage class/pollution severity III/2	320 V
Rated voltage for overvoltage class/pollution severity III/3	250 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	4 kV
Short-time withstand current resistance	3 x 1s with 100 A

CSA rating data

Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A
AWG conductor (field wiring), min.	26
AWG conductor (field wiring), max.	12

UL 1059 rating data

Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A
AWG conductor, min.	26
AWG conductor, max.	12

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
1281760000	BLA 2 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 2, 180°, Box
1281860000	BLA 3 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 3, 180°, Box
1281960000	BLA 4 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 4, 180°, Box
1282060000	BLA 5 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 5, 180°, Box
1282160000	BLA 6 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 6, 180°, Box
1282260000	BLA 7 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 7, 180°, Box
1282360000	BLA 8 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 8, 180°, Box

1282460000	BLA 9 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 9, 180°, Box
1282560000	BLA 10 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 10, 180°, Box
1282660000	BLA 11 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 11, 180°, Box
1282760000	BLA 12 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 12, 180°, Box
1282860000	BLA 13 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 13, 180°, Box
1282960000	BLA 14 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 14, 180°, Box
1283060000	BLA 15 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 15, 180°, Box
1283160000	BLA 16 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 16, 180°, Box
1283260000	BLA 17 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 17, 180°, Box
1283360000	BLA 18 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 18, 180°, Box
1283460000	BLA 19 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 19, 180°, Box
1283660000	BLA 21 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 21, 180°, Box
1314260000	BLA 22 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 22, 180°, Box
1314360000	BLA 23 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 23, 180°, Box
1314460000	BLA 24 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.32 mm ² , Pitch: 5.08 mm, No. of poles: 24, 180°, Box