



General ordering data

Order No.	1959090000
Part designation	BLZP 5.00/03/270 SN SW
Version	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 3, 90°, Box
EAN	4032248638024
Qty.	100 pc(s).

System parameters

Conductor connection system	Clamping yoke connection
Outgoing direction of conductor	90°
Pitch	5 mm
Pitch in inch	0.197 inch
No. of poles	3
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	10 mm
L1 in inch	0.394 inch
Electric shock protection to DIN VDE 0470	Safe from finger touch

Material data

Insulating material	PBT
Colour	black
Insulating material group	IIIa
Flammability class UL 94	V-0
CTI	>= 200
Contact base material	Copper alloy
Contact surface	tinned

Connectable conductors

Clamping range, min.	0.13 mm ²
Clamping range, max.	4 mm ²
AWG, min.	26
AWG, max.	12
Solid, min. H05(07) V-U	0.2 mm ²
Solid, max. H05(07) V-U	4 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²
Flexible, max. H05(07) V-K	4 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.	4 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm ²
Gauge to EN 60999 a x b; ø	2.8 mm x 2.4 mm

DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	15.5 A
Rated current, max. No. pins (Tu=20°C)	13 A
Rated current, min. No. pins (Tu=40°C)	12 A
Rated current, max. No. pins (Tu=40°C)	10.5 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 120 A

CSA rating data

Rated voltage (Use group C)	50 V
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 C)	50 V
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



Similar products

Order No.	Part designation	Version
1958870000	BLZP 5.00/02/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 2, 90°, Box
1959100000	BLZP 5.00/02/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 2, 90°, Box
1958860000	BLZP 5.00/03/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 3, 90°, Box
1958850000	BLZP 5.00/04/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 4, 90°, Box
1959080000	BLZP 5.00/04/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 4, 90°, Box
1958840000	BLZP 5.00/05/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 5, 90°, Box
1959070000	BLZP 5.00/05/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 5, 90°, Box
1958830000	BLZP 5.00/06/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 6, 90°, Box
1959060000	BLZP 5.00/06/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 6, 90°, Box
1958820000	BLZP 5.00/07/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 7, 90°, Box
1959050000	BLZP 5.00/07/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 7, 90°, Box
1958810000	BLZP 5.00/08/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 8, 90°, Box
1959040000	BLZP 5.00/08/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 8, 90°, Box

1958800000	BLZP 5.00/09/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 9, 90°, Box
1959030000	BLZP 5.00/09/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 9, 90°, Box
1958790000	BLZP 5.00/10/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 10, 90°, Box
1959020000	BLZP 5.00/10/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 10, 90°, Box
1958780000	BLZP 5.00/11/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 11, 90°, Box
1959010000	BLZP 5.00/11/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 11, 90°, Box
1959150000	BLZP 5.00/12/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 12, 90°, Box
1959000000	BLZP 5.00/12/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 12, 90°, Box
1958770000	BLZP 5.00/13/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 13, 90°, Box
1958990000	BLZP 5.00/13/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 13, 90°, Box
1958760000	BLZP 5.00/14/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 14, 90°, Box
1958980000	BLZP 5.00/14/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 14, 90°, Box
1958750000	BLZP 5.00/15/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 15, 90°, Box
1958970000	BLZP 5.00/15/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 15, 90°, Box
1958740000	BLZP 5.00/16/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 16, 90°, Box
1958960000	BLZP 5.00/16/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 16, 90°, Box
1958730000	BLZP 5.00/17/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 17, 90°, Box

1958950000	BLZP 5.00/17/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 17, 90°, Box
1958720000	BLZP 5.00/18/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 18, 90°, Box
1958940000	BLZP 5.00/18/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 18, 90°, Box
1958710000	BLZP 5.00/19/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 19, 90°, Box
1958930000	BLZP 5.00/19/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 19, 90°, Box
1958700000	BLZP 5.00/20/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 20, 90°, Box
1958920000	BLZP 5.00/20/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 20, 90°, Box
1958690000	BLZP 5.00/21/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 21, 90°, Box
1958910000	BLZP 5.00/21/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 21, 90°, Box
1958680000	BLZP 5.00/22/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 22, 90°, Box
1958900000	BLZP 5.00/22/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 22, 90°, Box
1958670000	BLZP 5.00/23/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 23, 90°, Box
1958890000	BLZP 5.00/23/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 23, 90°, Box
1958660000	BLZP 5.00/24/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 24, 90°, Box
1958880000	BLZP 5.00/24/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.00 mm, No. of poles: 24, 90°, Box