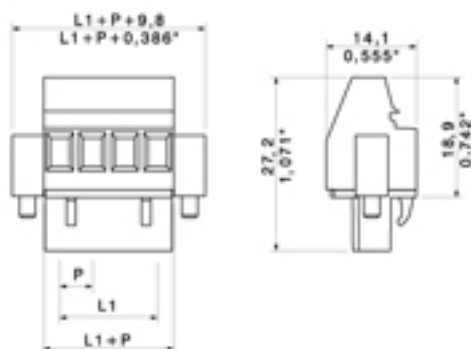




General ordering data

Order No.	1950120000
Part designation	BLZP 5.08/10/90F SN SW
Version	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 10, 90°, Box
EAN	4032248628056
Qty.	50 pc(s).

System parameters

Conductor connection system	Clamping yoke connection
Outgoing direction of conductor	90°
Pitch	5.08 mm
Pitch in inch	0.2 inch
No. of poles	10
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	45.72 mm
L1 in inch	1.8 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
1949800000	BLZP 5.08/02/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 2, 90°, Box
1950040000	BLZP 5.08/02/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 2, 90°, Box
1949810000	BLZP 5.08/03/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 3, 90°, Box
1950050000	BLZP 5.08/03/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 3, 90°, Box
1949820000	BLZP 5.08/04/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 4, 90°, Box
1950060000	BLZP 5.08/04/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 4, 90°, Box
1949830000	BLZP 5.08/05/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 5, 90°, Box
1950070000	BLZP 5.08/05/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 5, 90°, Box
1949840000	BLZP 5.08/06/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 6, 90°, Box
1950080000	BLZP 5.08/06/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 6, 90°, Box
1949850000	BLZP 5.08/07/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 7, 90°, Box
1950090000	BLZP 5.08/07/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 7, 90°, Box
1949860000	BLZP 5.08/08/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 8, 90°, Box

1950100000	BLZP 5.08/08/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 8, 90°, Box
1949870000	BLZP 5.08/09/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 9, 90°, Box
1950110000	BLZP 5.08/09/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 9, 90°, Box
1949880000	BLZP 5.08/10/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 10, 90°, Box
1949890000	BLZP 5.08/11/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 11, 90°, Box
1950130000	BLZP 5.08/11/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 11, 90°, Box
1949900000	BLZP 5.08/12/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 12, 90°, Box
1950140000	BLZP 5.08/12/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 12, 90°, Box
1949910000	BLZP 5.08/13/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 13, 90°, Box
1950150000	BLZP 5.08/13/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 13, 90°, Box
1949920000	BLZP 5.08/14/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 14, 90°, Box
1950160000	BLZP 5.08/14/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 14, 90°, Box
1949930000	BLZP 5.08/15/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 15, 90°, Box
1950170000	BLZP 5.08/15/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 15, 90°, Box
1949940000	BLZP 5.08/16/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 16, 90°, Box
1950180000	BLZP 5.08/16/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 16, 90°, Box
1949950000	BLZP 5.08/17/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 17, 90°, Box

1950190000	BLZP 5.08/17/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 17, 90°, Box
1949960000	BLZP 5.08/18/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 18, 90°, Box
1950200000	BLZP 5.08/18/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 18, 90°, Box
1949970000	BLZP 5.08/19/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 19, 90°, Box
1950210000	BLZP 5.08/19/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 19, 90°, Box
1949980000	BLZP 5.08/20/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 20, 90°, Box
1950220000	BLZP 5.08/20/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 20, 90°, Box
1949990000	BLZP 5.08/21/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 21, 90°, Box
1950230000	BLZP 5.08/21/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 21, 90°, Box
1950010000	BLZP 5.08/22/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 22, 90°, Box
1950240000	BLZP 5.08/22/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 22, 90°, Box
1950020000	BLZP 5.08/23/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 23, 90°, Box
1950250000	BLZP 5.08/23/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 23, 90°, Box
1950030000	BLZP 5.08/24/90F SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 24, 90°, Box
1950260000	BLZP 5.08/24/90F SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch: 5.08 mm, No. of poles: 24, 90°, Box