



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



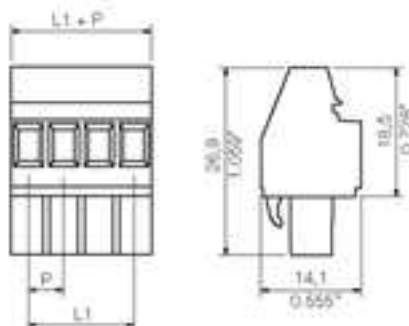
## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





#### General ordering data

Order No.	1558310000
Part designation	BLZ 5.08/12/270 SN SW
Version	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 270°, Box
EAN	4008190269524
Qty.	30 pc(s).

#### System parameters

Conductor connection system	Clamping yoke connection
Outgoing direction of conductor	270°
Pitch	5.08 mm
Pitch in inch	0.2 inch
No. of poles	12
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	55.88 mm
L1 in inch	2.2 inch
Electric shock protection to DIN VDE 0470	Safe from finger touch

#### Material data

Insulating material	PBT
Colour	black
colour chart	Similar to RAL 9011
Insulating material group	IIIa
Flammability class UL 94	V-0
CTI	>= 200
Contact base material	Copper alloy

#### Material data

Contact surface	tinned
-----------------	--------

#### Connectable conductors

Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	3.31 mm <sup>2</sup>
AWG, min.	26
AWG, max.	12
Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>
Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>
Flexible, max. H05(07) V-K	2.5 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, min.	0.2 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, max.	2.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm <sup>2</sup>
Gauge to EN 60999 a x b; ø	2.8 mm x 2.0 mm; 2.4 mm

#### DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	15 A
Rated current, max. No. pins (Tu=20°C)	12 A
Rated current, min. No. pins (Tu=40°C)	12 A
Rated current, max. No. pins (Tu=40°C)	10 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 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
1557360000	BLZ 5.08/2/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 270°, Box
1557310000	BLZ 5.08/2/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 270°, Box
1557460000	BLZ 5.08/3/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 270°, Box
1557410000	BLZ 5.08/3/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 270°, Box
1557560000	BLZ 5.08/4/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 270°, Box
1557510000	BLZ 5.08/4/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 270°, Box
1557660000	BLZ 5.08/5/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 270°, Box
1557610000	BLZ 5.08/5/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 270°, Box
1557760000	BLZ 5.08/6/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 270°, Box
1557710000	BLZ 5.08/6/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 270°, Box
1557860000	BLZ 5.08/7/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 270°, Box

1557810000	BLZ 5.08/7/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 270°, Box
1557960000	BLZ 5.08/8/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 270°, Box
1557910000	BLZ 5.08/8/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 270°, Box
1558060000	BLZ 5.08/9/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 270°, Box
1558010000	BLZ 5.08/9/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 270°, Box
1558160000	BLZ 5.08/10/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 270°, Box
1558110000	BLZ 5.08/10/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 270°, Box
1558260000	BLZ 5.08/11/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 11, 270°, Box
1558210000	BLZ 5.08/11/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 11, 270°, Box
1558360000	BLZ 5.08/12/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 270°, Box
1558460000	BLZ 5.08/13/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 13, 270°, Box
1558410000	BLZ 5.08/13/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 13, 270°, Box
1558560000	BLZ 5.08/14/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 14, 270°, Box
1558510000	BLZ 5.08/14/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 14, 270°, Box
1558660000	BLZ 5.08/15/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 15, 270°, Box
1558610000	BLZ 5.08/15/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 15, 270°, Box
1558760000	BLZ 5.08/16/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 270°, Box

1558710000	BLZ 5.08/16/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 270°, Box
1558860000	BLZ 5.08/17/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 17, 270°, Box
1558810000	BLZ 5.08/17/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 17, 270°, Box
1558960000	BLZ 5.08/18/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 18, 270°, Box
1558910000	BLZ 5.08/18/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 18, 270°, Box
1559060000	BLZ 5.08/19/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 19, 270°, Box
1559010000	BLZ 5.08/19/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 19, 270°, Box
1559160000	BLZ 5.08/20/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 20, 270°, Box
1559110000	BLZ 5.08/20/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 20, 270°, Box
1559260000	BLZ 5.08/21/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 21, 270°, Box
1559210000	BLZ 5.08/21/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 21, 270°, Box
1559360000	BLZ 5.08/22/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 22, 270°, Box
1559310000	BLZ 5.08/22/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 22, 270°, Box
1559460000	BLZ 5.08/23/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 23, 270°, Box
1559410000	BLZ 5.08/23/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 23, 270°, Box
1559560000	BLZ 5.08/24/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 24, 270°, Box
1559510000	BLZ 5.08/24/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 24, 270°, Box