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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.

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Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16 D-32758 Detmold Germany Fon: +49 5231 14-0 Fax: +49 5231 14-2083 www.weidmueller.com



Socket connectors with clamping yoke screw connection for conductor connection with a right-angle (90° or 270°) outlet direction. The female connectors provide space for labelling and can be coded. Can be fastened with flange or release latch. They feature an integrated plus/minus screw, protection against false insertion under clamping yoke. They are delivered with an opened clamping yoke.

- 0.2-2.5 mm2 (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	<u>1948380000</u>
Part designation	BLZP 5.08/16/90 SN BK BX
Version	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 90°, Clamping yoke connection, Clamping range, max.: 4 mm², Box
GTIN (EAN)	4032248624904
Qty.	18 pc(s).
Packaging	Box

Technical data

System parameters



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Conductor connection system	Clamping yoke connection	Outgoing direction of conductor	90°
Pitch in mm	5.08 mm	Pitch in inch	0.2 inch
No. of poles	16	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	76.2 mm	L1 in inch	3 inch
Electric shock protection to DIN VDE	57 106 Safe from finger touch		

Material data

Insulating material	PBT	Colour	black
colour chart	Similar to RAL 9011	Flammability class UL 94	V-0
СТІ	≥ 200	Contact material	Copper alloy
Contact surface		Highest continous operating tempe	rature,
	tinned	min.	-25 °C
Highest continous operating ten	nperature,		
max.	100 °C		

Connectable conductors

Clamping range, min.	0.13 mm²	Clamping range, max.	4 mm²
Conductor connection cross-section AWG		Conductor connection cross-section AWG,	
min.	AWG 26	max.	AWG 12
Solid, min. H05(07) V-U	0.2 mm ²	Solid, max. H05(07) V-U	4 mm²
Flexible, min. H05(07) V-K	0.2 mm²	Flexible, max. H05(07) V-K	4 mm²
w. wire end ferrule, DIN 46228 pt 1, min	0.2 mm²	with wire end ferrule, DIN 46228 pt 1, max.	4 mm²
w. plastic collar ferrule, DIN 46228 pt 4, mi	n.	with plastic collar ferrule, DIN 46228 pt 4,	
•	0.2 mm²	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. of poles (Tu=20°C)	15.5 A	Rated current, max. No. of poles (Tu=20°C)	13 A
Rated current, no. of poles (Tu=40°C), min	12 A	Rated current, no. of poles (Tu=40°C), max	. 10.5 A
Rated voltage for overvoltage class/pollution	n	Rated voltage for overvoltage class/pollution	n
severity II/2	400 V	severity III/2	320 V
Rated voltage at overvoltage category/		Rated impulse withstand voltage for	
pollution degree III/3	250 V	overvoltage class/pollution severity II/2	4 kV
Rated impulse withstand voltage for		Rated impulse withstand voltage for	
overvoltage class/pollution severity III/2	4 kV	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 B)	300 V	Rated current (use group B)	10 A	
Rated voltage (Use group C)	50 V	Rated voltage (use group D)	300 V	
Rated current (use group D)	10 A	Wire cross-section, AWG, min.	AWG 26	
Wire cross-section, AWG, max.	AWG 12			

UL 1059 rating data

Rated voltage (use group B)	300 V	Rated current (use group B)	10 A	
Rated voltage (use group C)	50 V	Rated voltage (use group D)	300 V	
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 12	

Creation date July 20, 2010 8:36:25 PM CEST

Technical data

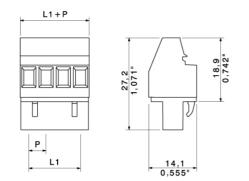
Classifications eClass 6.0 27-26-07-08 Notes



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Drawings





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