



#### General ordering data

Order No.	1958790000
Part designation	BLZP 5.00/10/270 SN OR BX
Version	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 10, 90°, Box
EAN	4032248637621
Qty.	36 pc(s).
Packaging	Box

#### System parameters

Conductor connection system	Clamping yoke connection
Outgoing direction of conductor	90°
Pitch in mm	5 mm
Pitch in inch	0.197 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 mm
L1 in inch	1.772 inch
Electric shock protection to DIN VDE 57 106	Safe from finger touch

#### Material data

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

#### Material data

#### Connectable conductors

Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	4 mm <sup>2</sup>
Conductor connection cross-section AWG, min.	AWG 26
Conductor connection cross-section AWG, max.	AWG 12
Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>
Solid, max. H05(07) V-U	4 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>
Flexible, max. H05(07) V-K	4 mm <sup>2</sup>
w. wire end ferrule, DIN 46228 pt 1, min	0.2 mm <sup>2</sup>
with wire end ferrule, DIN 46228 pt 1, max.	4 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm <sup>2</sup>
with 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 2.4 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 severity II/2	400 V
Rated voltage for overvoltage class/pollution severity III/2	320 V
Rated voltage at overvoltage category/pollution degree 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 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	300 V
Rated current	10 A
Wire cross-section, AWG, min.	AWG 26

#### UL 1059 rating data

Wire cross-section, AWG, max. AWG 12

#### Approvals

Approvals institutes CURUS

#### Classifications

eClass 6.0 27-26-07-08

#### Notes

Notes

### Similar products

Order No.	Part designation	Version
1958870000	BLZP 5.00/02/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 2, 90°, Box
1958860000	BLZP 5.00/03/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 3, 90°, Box
1958850000	BLZP 5.00/04/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 4, 90°, Box
1958840000	BLZP 5.00/05/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 5, 90°, Box
1958830000	BLZP 5.00/06/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 6, 90°, Box
1958820000	BLZP 5.00/07/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 7, 90°, Box
1958810000	BLZP 5.00/08/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 8, 90°, Box
1958800000	BLZP 5.00/09/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 9, 90°, Box
1958780000	BLZP 5.00/11/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 11, 90°, Box
1959150000	BLZP 5.00/12/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 12, 90°, Box
1958770000	BLZP 5.00/13/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 13, 90°, Box
1958760000	BLZP 5.00/14/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 14, 90°, Box
1958750000	BLZP 5.00/15/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 15, 90°, Box
1958740000	BLZP 5.00/16/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 16, 90°, Box
1958730000	BLZP 5.00/17/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 17, 90°, Box
1958720000	BLZP 5.00/18/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 18, 90°, Box
1958710000	BLZP 5.00/19/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 19, 90°, Box

1958700000	BLZP 5.00/20/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 20, 90°, Box
1958690000	BLZP 5.00/21/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 21, 90°, Box
1958680000	BLZP 5.00/22/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 22, 90°, Box
1958670000	BLZP 5.00/23/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 23, 90°, Box
1958660000	BLZP 5.00/24/270 SN OR BX	PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 24, 90°, Box