



#### General ordering data

Order No.	1672710000
Part designation	BLZF 5.08/10/270B SN SW
Version	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 270°, Box
EAN	4008190434427
Qty.	50 pc(s).

#### System parameters

Conductor connection system	Tension clamp connection
Outgoing direction of conductor	270°
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-A
Stripping length	10 mm
L1 in mm	45.72 mm
L1 in inch	1.8 inch
Electric shock protection to DIN VDE 0470	Finger-safe plugged/ back-of-hand-safe unplugged

## System parameters

### 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
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.	1.5 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.	1.5 mm <sup>2</sup>
Gauge to EN 60999 a x b; ø	2.8 mm x 2.0 mm;

### DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	16.5 A
Rated current, max. No. pins (Tu=20°C)	12.5 A
Rated current, min. No. pins (Tu=40°C)	14 A
Rated current, max. No. pins (Tu=40°C)	11 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
1672400000	BLZF 5.08/2/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 270°, Box
1672630000	BLZF 5.08/2/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 270°, Box
1672410000	BLZF 5.08/3/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 270°, Box
1672640000	BLZF 5.08/3/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 270°, Box
1672420000	BLZF 5.08/4/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 270°, Box
1672650000	BLZF 5.08/4/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 270°, Box
1672430000	BLZF 5.08/5/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 270°, Box
1672660000	BLZF 5.08/5/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 270°, Box
1672440000	BLZF 5.08/6/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 270°, Box

1672670000	BLZF 5.08/6/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 270°, Box
1672450000	BLZF 5.08/7/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 270°, Box
1672680000	BLZF 5.08/7/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 270°, Box
1672460000	BLZF 5.08/8/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 270°, Box
1672690000	BLZF 5.08/8/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 270°, Box
1672470000	BLZF 5.08/9/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 270°, Box
1672700000	BLZF 5.08/9/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 270°, Box
1672480000	BLZF 5.08/10/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 270°, Box
1672490000	BLZF 5.08/11/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 11, 270°, Box
1672720000	BLZF 5.08/11/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 11, 270°, Box
1672500000	BLZF 5.08/12/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 270°, Box
1672730000	BLZF 5.08/12/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 270°, Box
1672510000	BLZF 5.08/13/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 13, 270°, Box
1672740000	BLZF 5.08/13/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 13, 270°, Box
1672520000	BLZF 5.08/14/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 14, 270°, Box
1672750000	BLZF 5.08/14/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 14, 270°, Box
1672530000	BLZF 5.08/15/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 15, 270°, Box

1672760000	BLZF 5.08/15/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 15, 270°, Box
1672540000	BLZF 5.08/16/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 270°, Box
1672770000	BLZF 5.08/16/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 270°, Box
1672550000	BLZF 5.08/17/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 17, 270°, Box
1672780000	BLZF 5.08/17/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 17, 270°, Box
1672560000	BLZF 5.08/18/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 18, 270°, Box
1672790000	BLZF 5.08/18/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 18, 270°, Box
1672570000	BLZF 5.08/19/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 19, 270°, Box
1672800000	BLZF 5.08/19/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 19, 270°, Box
1672580000	BLZF 5.08/20/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 20, 270°, Box
1672810000	BLZF 5.08/20/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 20, 270°, Box
1672590000	BLZF 5.08/21/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 21, 270°, Box
1672820000	BLZF 5.08/21/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 21, 270°, Box
1672600000	BLZF 5.08/22/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 22, 270°, Box
1672830000	BLZF 5.08/22/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 22, 270°, Box
1672610000	BLZF 5.08/23/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 23, 270°, Box
1672840000	BLZF 5.08/23/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 23, 270°, Box

1672620000	BLZF 5.08/24/270B SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 24, 270°, Box
1672850000	BLZF 5.08/24/270B SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 24, 270°, Box