



#### General ordering data

Order No.	1696780000
Part designation	BLZF 5.00/20 SN SW
Version	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 20, 180°, Box
EAN	4008190878801
Qty.	20 pc(s).

#### System parameters

Conductor connection system	Tension clamp connection
Outgoing direction of conductor	180°
Pitch	5 mm
Pitch in inch	0.197 inch
No. of poles	20
No. of rows	1
Screwdriver blade standard	DIN 5264-A
Stripping length	7 mm
L1 in mm	95 mm
L1 in inch	3.74 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
Contact surface	tinned

#### Connectable conductors

Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>
AWG, min.	26
AWG, max.	14
Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>
Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.5 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.	0.5 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.	0.5 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	2.4 mm x 1.5 mm;

#### DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	17 A
Rated current, max. No. pins (Tu=20°C)	12.5 A
Rated current, min. No. pins (Tu=40°C)	14.5 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.	14

#### UL 1059 rating data

Rated voltage (Use group D)	300 V
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#### UL 1059 rating data

Rated current (Use group D)	10 A
AWG conductor, min.	26
AWG conductor, max.	14

#### 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
1696370000	BLZF 5.00/2 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 180°, Box
1696600000	BLZF 5.00/2 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 180°, Box
1696380000	BLZF 5.00/3 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 180°, Box
1696610000	BLZF 5.00/3 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 180°, Box
1696390000	BLZF 5.00/4 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 180°, Box
1696620000	BLZF 5.00/4 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 180°, Box
1696400000	BLZF 5.00/5 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 180°, Box
1696630000	BLZF 5.00/5 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 180°, Box
1696410000	BLZF 5.00/6 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 180°, Box

1696640000	BLZF 5.00/6 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 180°, Box
1696420000	BLZF 5.00/7 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 180°, Box
1696650000	BLZF 5.00/7 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 180°, Box
1696430000	BLZF 5.00/8 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 180°, Box
1696660000	BLZF 5.00/8 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 180°, Box
1696440000	BLZF 5.00/9 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 9, 180°, Box
1696670000	BLZF 5.00/9 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 9, 180°, Box
1696450000	BLZF 5.00/10 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 10, 180°, Box
1696680000	BLZF 5.00/10 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 10, 180°, Box
1696460000	BLZF 5.00/11 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 11, 180°, Box
1696690000	BLZF 5.00/11 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 11, 180°, Box
1696470000	BLZF 5.00/12 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 12, 180°, Box
1696700000	BLZF 5.00/12 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 12, 180°, Box
1696480000	BLZF 5.00/13 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 13, 180°, Box
1696710000	BLZF 5.00/13 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 13, 180°, Box
1696490000	BLZF 5.00/14 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 14, 180°, Box
1696720000	BLZF 5.00/14 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 14, 180°, Box

1696500000	BLZF 5.00/15 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 15, 180°, Box
1696730000	BLZF 5.00/15 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 15, 180°, Box
1696510000	BLZF 5.00/16 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 16, 180°, Box
1696740000	BLZF 5.00/16 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 16, 180°, Box
1696520000	BLZF 5.00/17 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 17, 180°, Box
1696750000	BLZF 5.00/17 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 17, 180°, Box
1696530000	BLZF 5.00/18 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 18, 180°, Box
1696760000	BLZF 5.00/18 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 18, 180°, Box
1696540000	BLZF 5.00/19 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 19, 180°, Box
1696770000	BLZF 5.00/19 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 19, 180°, Box
1696550000	BLZF 5.00/20 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 20, 180°, Box
1696560000	BLZF 5.00/21 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 21, 180°, Box
1696790000	BLZF 5.00/21 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 21, 180°, Box
1696570000	BLZF 5.00/22 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 22, 180°, Box
1696800000	BLZF 5.00/22 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 22, 180°, Box
1696580000	BLZF 5.00/23 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 23, 180°, Box
1696810000	BLZF 5.00/23 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 23, 180°, Box

1696590000	BLZF 5.00/24 SN OR	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 24, 180°, Box
1696820000	BLZF 5.00/24 SN SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 24, 180°, Box