



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 ² , 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 ²
Clamping range, max.	2.5 mm ²
AWG, min.	26
AWG, max.	14
Solid, min. H05(07) V-U	0.5 mm ²
Solid, max. H05(07) V-U	2.5 mm ²
Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	2.5 mm ²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.5 mm ²
With wire end ferrule, acc. to DIN 46 228/1, max.	1.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm ²
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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , Pitch: 5.00 mm, No. of poles: 24, 180°, Box