







General ordering data	
Order No.	1571410000
Part designation	BLZ 5.00/8 SN OR
Version	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 8, 180°, Box
EAN	4008190052386
Qty.	50 pc(s).

System parameters	
Conductor connection system	Clamping yoke connection
Outgoing direction of conductor	180°
Pitch	5 mm
Pitch in inch	0.197 inch
No. of poles	8
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	35 mm
L1 in inch	1.378 inch
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 0470	Safe from finger touch

Material data	
Insulating material	PBT
Colour	orange
colour chart	Similar to RAL 2000
Insulating material group	IIIa
Flammability class UL 94	V-0
CTI	>= 200

Material data	
Contact base material	Copper alloy
Contact surface	tinned

Connectable conductors	
Clamping range, min.	0.13 mm²
Clamping range, max.	3.31 mm²
AWG, min.	26
AWG, max.	12
Solid, min. H05(07) V-U	0.5 mm²
Solid, max. H05(07) V-U	2.5 mm²
Flexible, min. H05(07) V-K	0.5 mm²
Flexible, max. H05(07) V-K	2.5 mm²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.5 mm²
With wire end ferrule, acc. to DIN 46 228/1, max.	2.5 mm²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.5 mm²
w. plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm²
Gauge to EN 60999 a x b; ø	2.8 mm x 2.0 mm; 2.4 mm

DIN IEC rating data	
Rated current, min. No. pins (Tu=20°C)	19 A
Rated current, max. No. pins (Tu=20°C)	14.5 A
Rated current, min. No. pins(Tu=40°C)	16 A
Rated current, max. No. pins (Tu=40°C)	12.5 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 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
1571350000	BLZ 5.00/2 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 2, 180°, Box
1625610000	BLZ 5.00/2 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 2, 180°, Box
1571360000	BLZ 5.00/3 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 3, 180°, Box
1625620000	BLZ 5.00/3 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 3, 180°, Box
1571370000	BLZ 5.00/4 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 4, 180°, Box
1596080000	BLZ 5.00/4 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 4, 180°, Box
1571380000	BLZ 5.00/5 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 5, 180°, Box
1625630000	BLZ 5.00/5 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 5, 180°, Box

1571390000	BLZ 5.00/6 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 6, 180°, Box
1596090000	BLZ 5.00/6 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 6, 180°, Box
1571400000	BLZ 5.00/7 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 7, 180°, Box
1596100000	BLZ 5.00/7 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 7, 180°, Box
1596110000	BLZ 5.00/8 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 8, 180°, Box
1571420000	BLZ 5.00/9 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 9, 180°, Box
1625640000	BLZ 5.00/9 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 9, 180°, Box
1571430000	BLZ 5.00/10 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 10, 180°, Box
1596120000	BLZ 5.00/10 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 10, 180°, Box
1571440000	BLZ 5.00/11 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 11, 180°, Box
1625650000	BLZ 5.00/11 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 11, 180°, Box
1571120000	BLZ 5.00/12 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 12, 180°, Box
1602990000	BLZ 5.00/12 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 12, 180°, Box
1571450000	BLZ 5.00/13 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 13, 180°, Box
1625660000	BLZ 5.00/13 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 13, 180°, Box
1571460000	BLZ 5.00/14 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 14, 180°, Box
1625670000	BLZ 5.00/14 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 14, 180°, Box

1571470000	BLZ 5.00/15 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 15, 180°, Box
1625680000	BLZ 5.00/15 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 15, 180°, Box
1571480000	BLZ 5.00/16 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 16, 180°, Box
1603300000	BLZ 5.00/16 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 16, 180°, Box
1571490000	BLZ 5.00/17 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 17, 180°, Box
1625690000	BLZ 5.00/17 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 17, 180°, Box
1571500000	BLZ 5.00/18 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 18, 180°, Box
1625700000	BLZ 5.00/18 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 18, 180°, Box
1571510000	BLZ 5.00/19 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 19, 180°, Box
1625710000	BLZ 5.00/19 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 19, 180°, Box
1571520000	BLZ 5.00/20 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 20, 180°, Box
1625720000	BLZ 5.00/20 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 20, 180°, Box
1571530000	BLZ 5.00/21 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 21, 180°, Box
1625730000	BLZ 5.00/21 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 21, 180°, Box
1571540000	BLZ 5.00/22 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 22, 180°, Box
1625740000	BLZ 5.00/22 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 22, 180°, Box
1571550000	BLZ 5.00/23 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 23, 180°, Box

1625750000	BLZ 5.00/23 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 23, 180°, Box
1571560000	BLZ 5.00/24 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 24, 180°, Box
1611470000	BLZ 5.00/24 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.00 mm, No. of poles: 24, 180°, Box