



General ordering data

Order No.	1625630000
Part designation	BLZ 5.00/5 SN SW
Version	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 5, 180°, Box
EAN	4008190196936
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
Number of poles	5
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	20 mm
L1 in inch	0.787 inch
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 0470	Safe from finger touch

Material data

Insulation material	PBT
Colour	black
colour chart	Similar to RAL 9011
Insulating material group	IIIa
UL 94 combustibility class	V-0
CTI	>= 200

Material data

Contact base material	Cu alloy
Contact surface	tinned

Connectable conductors

Clamping range, min.	0.13 mm ²
Clamping range, max.	3.31 mm ²
AWG, min.	26
AWG, max.	12
Solid, min. H05(07) V-U	0.5 mm ²
Solid, max. H05(07) V-U	2.5 mm ²
fine-stranded, min. H05(07) V-U	0.5 mm ²
fine-stranded, max. H05(07) V-U	2.5 mm ²
Wire end ferrule , DIN 46 228/1, min.	0.5 mm ²
Wire end ferrule , DIN 46 228/1, max.	2.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm ²
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, user group D	300 V
Rated current, user group D	10 A
AWG conductor (field wiring), min.	26
AWG conductor (field wiring), max.	12

UL 1059 rating data

Rated voltage, user group D	300 V
Rated current, user group D	10 A
AWG conductor, min.	26
AWG conductor, max.	12

Approvals

Approval body	CSA; GOSTME25; UR; ROHS
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Approvals

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
1571560000	BLZ 5.00/24 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 24, 180°, Box
1571480000	BLZ 5.00/16 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 16, 180°, Box
1596080000	BLZ 5.00/4 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 4, 180°, Box
1596100000	BLZ 5.00/7 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 7, 180°, Box
1611470000	BLZ 5.00/24 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 24, 180°, Box
1571490000	BLZ 5.00/17 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number 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 mm ² , Pitch: 5.00 mm, Number of poles: 17, 180°, Box
1571440000	BLZ 5.00/11 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 11, 180°, Box
1571530000	BLZ 5.00/21 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 21, 180°, Box
1571550000	BLZ 5.00/23 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 23, 180°, Box
1571520000	BLZ 5.00/20 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 20, 180°, Box
1625630000	BLZ 5.00/5 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 5, 180°, Box

1625730000	BLZ 5.00/21 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 21, 180°, Box
1596110000	BLZ 5.00/8 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 8, 180°, Box
1571470000	BLZ 5.00/15 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 15, 180°, Box
1625610000	BLZ 5.00/2 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 2, 180°, Box
1625620000	BLZ 5.00/3 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 3, 180°, Box
1596120000	BLZ 5.00/10 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 10, 180°, Box
1571350000	BLZ 5.00/2 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 2, 180°, Box
1571500000	BLZ 5.00/18 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 18, 180°, Box
1571120000	BLZ 5.00/12 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 12, 180°, Box
1603300000	BLZ 5.00/16 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 16, 180°, Box
1571460000	BLZ 5.00/14 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 14, 180°, Box
1571400000	BLZ 5.00/7 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 7, 180°, Box
1571430000	BLZ 5.00/10 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 10, 180°, Box
1625700000	BLZ 5.00/18 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 18, 180°, Box
1571370000	BLZ 5.00/4 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 4, 180°, Box
1625740000	BLZ 5.00/22 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 22, 180°, Box
1602990000	BLZ 5.00/12 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 12, 180°, Box

1625650000	BLZ 5.00/11 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 11, 180°, Box
1571450000	BLZ 5.00/13 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 13, 180°, Box
1571540000	BLZ 5.00/22 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 22, 180°, Box
1625670000	BLZ 5.00/14 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 14, 180°, Box
1625750000	BLZ 5.00/23 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 23, 180°, Box
1571380000	BLZ 5.00/5 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 5, 180°, Box
1596090000	BLZ 5.00/6 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 6, 180°, Box
1571360000	BLZ 5.00/3 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 3, 180°, Box
1625710000	BLZ 5.00/19 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 19, 180°, Box
1625640000	BLZ 5.00/9 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 9, 180°, Box
1571410000	BLZ 5.00/8 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 8, 180°, Box
1571510000	BLZ 5.00/19 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 19, 180°, Box
1571420000	BLZ 5.00/9 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 9, 180°, Box
1625680000	BLZ 5.00/15 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 15, 180°, Box
1571390000	BLZ 5.00/6 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 6, 180°, Box
1625720000	BLZ 5.00/20 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 20, 180°, Box
1625660000	BLZ 5.00/13 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, Number of poles: 13, 180°, Box