







General ordering data	
Order No.	1741870000
Part designation	BLZ 5.08/2/225 SN SW
Version	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 2, 225°, Box
EAN	4008190248727
Qty.	180 pc(s).

System parameters	
Conductor connection system	Clamping yoke connection
Outgoing direction of conductor	225°
Pitch	5.08 mm
Pitch in inch	0.2 inch
No. of poles	2
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	8 mm
L1 in mm	5.08 mm
L1 in inch	0.2 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

Material data	
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	0.2 mm²
Solid, max. H05(07) V-U	2.5 mm²
Flexible, min. H05(07) V-K	0.2 mm²
Flexible, max. H05(07) V-K	2.5 mm²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.2 mm²
With wire end ferrule, acc. to DIN 46 228/1, max.	2.5 mm²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm²
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm²
Gauge to EN 60999 a x b; ø	2.8 mm x 2.4 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 100 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
1741640000	BLZ 5.08/2/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 2, 225°, Box
1741650000	BLZ 5.08/3/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 3, 225°, Box
1741880000	BLZ 5.08/3/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 3, 225°, Box
1741660000	BLZ 5.08/4/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 4, 225°, Box
1741890000	BLZ 5.08/4/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 4, 225°, Box
1741670000	BLZ 5.08/5/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 5, 225°, Box
1741900000	BLZ 5.08/5/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 5, 225°, Box
1741680000	BLZ 5.08/6/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 6, 225°, Box
1741910000	BLZ 5.08/6/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 6, 225°, Box
1741690000	BLZ 5.08/7/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 7, 225°, Box
1741920000	BLZ 5.08/7/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 7, 225°, Box

1741700000	BLZ 5.08/8/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 8, 225°, Box
1741930000	BLZ 5.08/8/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 8, 225°, Box
1741710000	BLZ 5.08/9/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 9, 225°, Box
1741940000	BLZ 5.08/9/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 9, 225°, Box
1741720000	BLZ 5.08/10/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 10, 225°, Box
1741950000	BLZ 5.08/10/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 10, 225°, Box
1741730000	BLZ 5.08/11/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 11, 225°, Box
1741960000	BLZ 5.08/11/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 11, 225°, Box
1741740000	BLZ 5.08/12/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 12, 225°, Box
1741970000	BLZ 5.08/12/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 12, 225°, Box
1741750000	BLZ 5.08/13/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 13, 225°, Box
1741980000	BLZ 5.08/13/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 13, 225°, Box
1741760000	BLZ 5.08/14/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 14, 225°, Box
1741990000	BLZ 5.08/14/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 14, 225°, Box
1741770000	BLZ 5.08/15/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 15, 225°, Box
1742000000	BLZ 5.08/15/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 15, 225°, Box
1741780000	BLZ 5.08/16/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 16, 225°, Box

1742010000	BLZ 5.08/16/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 16, 225°, Box
1741790000	BLZ 5.08/17/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 17, 225°, Box
1742020000	BLZ 5.08/17/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 17, 225°, Box
1741800000	BLZ 5.08/18/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 18, 225°, Box
1742030000	BLZ 5.08/18/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 18, 225°, Box
1741810000	BLZ 5.08/19/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 19, 225°, Box
1742040000	BLZ 5.08/19/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 19, 225°, Box
1741820000	BLZ 5.08/20/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 20, 225°, Box
1742050000	BLZ 5.08/20/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 20, 225°, Box
1741830000	BLZ 5.08/21/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 21, 225°, Box
1742060000	BLZ 5.08/21/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 21, 225°, Box
1741840000	BLZ 5.08/22/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 22, 225°, Box
1742070000	BLZ 5.08/22/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 22, 225°, Box
1741850000	BLZ 5.08/23/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 23, 225°, Box
1742080000	BLZ 5.08/23/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 23, 225°, Box
1741860000	BLZ 5.08/24/225 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 24, 225°, Box
1742090000	BLZ 5.08/24/225 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm², Pitch: 5.08 mm, No. of poles: 24, 225°, Box