



General ordering data

Order No.	1702050000
Part designation	BLZ 7.50/6/90B SN OR
Version	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 6, 90°, Box
EAN	4008190908522
Qty.	50 pc(s).

System parameters

Conductor connection system	Clamping yoke connection
Outgoing direction of conductor	90°
Pitch	7.5 mm
Pitch in inch	0.295 inch
No. of poles	6
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	37.5 mm
L1 in inch	1.476 inch
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
Contact base material	Copper alloy

Material data

Contact surface	tinned
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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	0.2 mm ²
Solid, max. H05(07) V-U	2.5 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²
Flexible, max. H05(07) V-K	2.5 mm ²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.2 mm ²
With wire end ferrule, acc. to DIN 46 228/1, max.	2.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 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)	15 A
Rated current, max. No. pins (Tu=20°C)	13 A
Rated current, min. No. pins (Tu=40°C)	12.5 A
Rated current, max. No. pins (Tu=40°C)	11 A
Rated voltage for overvoltage class/pollution severity II/2	800 V
Rated voltage for overvoltage class/pollution severity III/2	800 V
Rated voltage for overvoltage class/pollution severity III/3	500 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	8 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	8 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	6 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
1702010000	BLZ 7.50/2/90B SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 2, 90°, Box
1702020000	BLZ 7.50/3/90B SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 3, 90°, Box
1702030000	BLZ 7.50/4/90B SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 4, 90°, Box
1702040000	BLZ 7.50/5/90B SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 5, 90°, Box
1702060000	BLZ 7.50/7/90B SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 7, 90°, Box
1702070000	BLZ 7.50/8/90B SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 8, 90°, Box
1702080000	BLZ 7.50/9/90B SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 9, 90°, Box
1702090000	BLZ 7.50/10/90B SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 10, 90°, Box
1702100000	BLZ 7.50/11/90B SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 11, 90°, Box
1702110000	BLZ 7.50/12/90B SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 12, 90°, Box