Concernal conceptsOrder No.1597490000Part designationBL 3.5/15 SN ORVersionPCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 15, 180°, BoxEAN4008190066109Qty.50 pc(s).System parametersConductor connection systemClamping yoke connection 0.0120 gif ection of conductorPitch3.5 mmPitch in inch0.138 inchNo. of poles15No. of poles15Screwdriver blade0.4 x 2.5Screwdriver blade0.4 x 2.5Screwdriver blade standardDIN 5264Tightening torque, min.0.2Tightening torque, max.0.25 NmClamping screwM 2Stripping length6 mmL1 in mm49 mmL1 in inch1.929 inchElectric shock protection to DIN VDE 0470Safe from finger touchMaterial Colurorange colour chartColourorange colour chartColourorange colour chartColourorange colour chartFlammability class UL 94V-0CTI>= 200		L1+P
Part designation BL 3.5/15 SN OR   Version PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm³, Pitch: 3.50 mm, No. of poles: 15, 180°, Box   EAN 4008190066109   Qiy. 50 pc(s).   System parameters Clamping yoke connection   Conductor connection system Clamping yoke connection   Outgoing direction of conductor 180°   Pitch 3.5 mm   Pitch 3.5 mm   No. of poles 15   No. of poles 15   Screwdriver blade 0.4 x 2.5   Screwdriver blade standard DIN 5264   Tightening torque, min. 0.2   Tightening torque, max. 0.25 Nm   Clamping screw M 2   Stripping length 6 mm   L1 in inch 1.929 inch   Electric shock protection to DIN VDE 0470 IP 20   Electric shock protection to DIN VDE 0470 IP 20   Electric shock protection to DIN VDE 0470 Safe from finger touch   Material data PBT   Colour orange   colour chart Similar to RAL 2000   Insulating materia	General ordering data	
Version PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 15, 180°, Box   EAN 4008190066109   Qty. 50 pc(s).   System parameters Camping yoke connection   Outgoing direction of conductor 180°   Pitch 3.5 mm   Pitch 3.5 mm   Pitch in inch 0.138 inch   No. of poles 15   No. of poles 15   No. of poles 1   Screwdriver blade 0.4 x 2.5   Screwdriver blade standard DIN 5264   Tightening torque, min. 0.2   Tightening torque, max. 0.25 Nm   Clamping screw M 2   Stripping length 6 mm   L1 in inch 1.929 inch   Electric shock protection to DIN VDE 0470 IP 20   Electric shock protection to DIN VDE 0470 IP 20   Electric shock protection to DIN VDE 0470 IP 20   Electric shock protection to DIN VDE 0470 IP 20   Electric shock protection to DIN VDE 0470 IP 20   Electric shock protection to DIN VDE 0470 IP 20		
Clamping yoke connection, Clamping range, max.:   1.5 mm², Pitch: 3.50 mm, No. of poles: 15, 180°,   Box   EAN 4008190066109   Qty. 50 pc(s).   System parameters   Conductor connection system Clamping yoke connection   Outgoing direction of conductor 180°   Pitch 3.5 mm   Pitch 3.5 mm   No. of poles 15   No. of rows 1   Screwdriver blade 0.4 x 2.5   Screwdriver blade 0.22   Tightening torque, max. 0.25 Nm   Clamping screw M 2   Stripping length 6 mm   L1 in mm 49 mm   L1 in inch 1.929 inch   Electric shock protection to DIN VDE 0470 Safe from finger touch   Material data PBT   Colour orange   colour chart Similar to RAL 2000   Insulating material group Illa   Flarmmability class UL 94 V-0	•	
Qty. 50 pc(s).   System parameters   Conductor connection of conductor 180°   Pitch 3.5 mm   Pitch in inch 0.138 inch   No. of poles 15   No. of rows 1   Screwdriver blade 0.4 x 2.5   Screwdriver blade standard DIN 5264   Tightening torque, min. 0.2   Tightening torque, max. 0.25 Nm   Clamping screw M 2   Stripping length 6 mm   L1 in inch 1.929 inch   Electric shock protection to DIN VDE 0470 IP 20   Electric shock protection to DIN VDE 0470 Safe from finger touch   Material PBT   Colour orange   colour chart Similar to RAL 2000   Insulating material group IIIa   Flammability class UL 94 V-0	Version	Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 15, 180°,
System barancters   Conductor connection system Clamping yoke connection   Outgoing direction of conductor 180°   Pitch 3.5 mm   Pitch in inch 0.138 inch   No. of poles 15   No. of rows 1   Screwdriver blade 0.4 x 2.5   Screwdriver blade standard DIN 5264   Tightening torque, min. 0.2   Tightening torque, max. 0.25 Nm   Clamping screw M 2   Stripping length 6 mm   L1 in mm 49 mm   L1 in inch 1.929 inch   Electric shock protection to DIN VDE 0470 IP 20   Electric shock protection to DIN VDE 0470 Safe from finger touch   Metoral data PBT   Colour orange   colour chart Similar to RAL 2000   Insulating material group Illa   Flammability class UL 94 V-0	EAN	4008190066109
Conductor connection systemClamping yoke connectionOutgoing direction of conductor180°Pitch3.5 mmPitch in inch0.138 inchNo. of poles15No. of rows1Screwdriver blade0.4 x 2.5Screwdriver blade standardDIN 5264Tightening torque, min.0.2Clamping screwM 2Stripping length6 mmL1 in mm1.929 inchL1 in inch1.929 inchElectric shock protection to DIN VDE 0470IP 20Electric shock protection to DIN VDE 0470PBTColourorangecolour chartSimilar to RAL 2000Insulating material groupIIIaFlammability class UL 94V-0	Qty.	50 pc(s).
Insulating materialPBTColourorangecolour chartSimilar to RAL 2000Insulating material groupIIIaFlammability class UL 94V-0	Conductor connection system Outgoing direction of conductor Pitch Pitch in inch No. of poles No. of rows Screwdriver blade Screwdriver blade standard Tightening torque, min. Tightening torque, max. Clamping screw Stripping length L1 in mm L1 in inch Electric shock protection to DIN VDE 0470	180°   3.5 mm   0.138 inch   15   1   0.4 x 2.5   DIN 5264   0.2   0.25 Nm   M 2   6 mm   49 mm   1.929 inch   IP 20
	Insulating material Colour colour chart Insulating material group Flammability class UL 94	orange Similar to RAL 2000 IIIa V-0



Material data	
Contact base material	Copper alloy
Contact base material	tinned
	unneu
Connectable conductors	
Clamping range, min.	0.08 mm²
Clamping range, max.	1.5 mm²
AWG, min.	14
AWG, max.	28
Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>
Solid, max. H05(07) V-U	1.5 mm²
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>
Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, min.	0.2 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, max.	1.5 mm²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm <sup>2</sup>
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 A
Rated current, min. No. pins(Tu=40°C)	14.5 A
Rated current, max. No. pins (Tu=40°C)	10 A
Rated voltage for overvoltage class/pollution	320 V
severity II/2	
Rated voltage for overvoltage class/pollution	160 V
severity III/2	
Rated voltage for overvoltage class/pollution	160 V
severity III/3	
Rated impulse withstand voltage for overvoltage	2.5 kV
class/pollution severity II/2	
Rated impulse withstand voltage for overvoltage	2.5 kV
class/pollution severity III/2	
Rated impulse withstand voltage for overvoltage	2.5 kV
class/pollution severity III/3	
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.	28
AWG conductor (field wiring), min. AWG conductor (field wiring), max.	28 14
Awe conductor (new withing), max.	<b>F</b> 1
UL 1059 rating data	
Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A
AWG conductor, min.	28
AWG conductor, max.	14



## Approvals

Approvals institutes



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

1597360000	BL 3.5/2 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 2, 180°, Box
1615670000	BL 3.5/2 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 2, 180°, Box
1597370000	BL 3.5/3 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 3, 180°, Box
1615680000	BL 3.5/3 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 3, 180°, Box
1597380000	BL 3.5/4 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 4, 180°, Box
1615690000	BL 3.5/4 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 4, 180°, Box
1597390000	BL 3.5/5 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 5, 180°, Box
1614090000	BL 3.5/5 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 5, 180°, Box
1597400000	BL 3.5/6 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 6, 180°, Box
1610180000	BL 3.5/6 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 6, 180°, Box
1597410000	BL 3.5/7 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 7, 180°, Box



Product catalogue | PCB connection systems | PCB plug-in connectors | Pitch 3.50 mm (0.138 inch) | Socket connectors, screw clamp connection, pitch 3.5 | BLZ 3.5 | BL 3.5/180

1610190000	BL 3.5/7 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 7, 180°, Box
1597420000	BL 3.5/8 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 8, 180°, Box
1615700000	BL 3.5/8 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 8, 180°, Box
1597430000	BL 3.5/9 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 9, 180°, Box
1615710000	BL 3.5/9 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 9, 180°, Box
1597440000	BL 3.5/10 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 10, 180°, Box
1610200000	BL 3.5/10 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 10, 180°, Box
1597450000	BL 3.5/11 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 11, 180°, Box
1615720000	BL 3.5/11 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 11, 180°, Box
1597460000	BL 3.5/12 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 12, 180°, Box
1615730000	BL 3.5/12 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 12, 180°, Box
1597470000	BL 3.5/13 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 13, 180°, Box
1615740000	BL 3.5/13 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 13, 180°, Box
1597480000	BL 3.5/14 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 14, 180°, Box
1615750000	BL 3.5/14 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 14, 180°, Box
1615760000	BL 3.5/15 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 15, 180°, Box
1597500000	BL 3.5/16 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 16, 180°, Box



Product catalogue | PCB connection systems | PCB plug-in connectors | Pitch 3.50 mm (0.138 inch) | Socket connectors, screw clamp connection, pitch 3.5 | BLZ 3.5 | BL 3.5/180

1615770000	BL 3.5/16 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 16, 180°, Box
1620290000	BL 3.5/17 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 17, 180°, Box
1620370000	BL 3.5/17 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 17, 180°, Box
1620300000	BL 3.5/18 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 18, 180°, Box
1620380000	BL 3.5/18 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 18, 180°, Box
1620310000	BL 3.5/19 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 19, 180°, Box
1620390000	BL 3.5/19 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 19, 180°, Box
1620320000	BL 3.5/20 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 20, 180°, Box
1620400000	BL 3.5/20 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 20, 180°, Box
1620330000	BL 3.5/21 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 21, 180°, Box
1620410000	BL 3.5/21 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 21, 180°, Box
1620340000	BL 3.5/22 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 22, 180°, Box
1620420000	BL 3.5/22 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 22, 180°, Box
1620350000	BL 3.5/23 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 23, 180°, Box
1620430000	BL 3.5/23 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 23, 180°, Box
1620360000	BL 3.5/24 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 24, 180°, Box
1620440000	BL 3.5/24 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 24, 180°, Box

