Order No.1615730000Part designationBL 3.5/12 SN SWVersionPCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 12, 180°, BoxEAN4008190060817Qty.50 pc(s).System parametersConductor connection systemClamping yoke connection 0utgoing direction of conductor180°Pitch3.5 mmPitch in inch0.138 inchNo. of poles12No. of poles12Screwdriver blade0.4 x 2.5Screwdriver blade0.4 x 2.5Screwdriver blade standardDIN 5264Tightening torque, max.0.25 NmClamping screwM 2Stripping length6 mmL1 in inch1.516 inchL1 in inch1.516 inchL1 in inch1.516 inchElectric shock protection to DIN VDE 0470IP 20Electric shock protection to DIN VDE 0470IP 20		L1+P C C C C C C C C C C C C C
Part designation BL 3.5/12 SN SW Version PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ⁶ , Pitch: 3.50 mm, No. of poles: 12, 180°, Box EAN 4008190060817 Qty. 50 pc(s). System parameters	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: 12, 180°, Box EAN 4008190060817 Qty. 50 pc(s). System parameters Clamping yoke connection Conductor connection system Clamping yoke connection Outgoing direction of conductor 180° Pitch 3.5 mm Pitch in inch 0.138 inch No. of poles 12 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 1.516 inch L1 in inch 1.516 inch Electric shock protection to DIN VDE 0470 IP 20 Electric shock protection to DIN VDE 0470 Safe from finger touch Material data PBT Colour black colour chart Similar to RAL 9011 Insulating material group Illa Flammability class UL 94		
Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 12, 180°, BoxEAN4008190060817Qty.50 pc(s).System parametersClamping yoke connectionOutgoing direction of conductor180° 180°Pitch3.5 mmPitch in inch0.138 inchNo. of poles12No. of rows1Screwdriver blade0.4 x 2.5Screwdriver blade0.2 KmClamping sorewM 2Stitping length6 mmL1 in inch1.516 inchL2 in inch1.516 inchL3 in inch1.516 inchL4 in inch1.516 inchElectric shock protection to DIN VDE 0470Pa 20Electric shock protection to DIN VDE 0470Safe from finger touchMaterial dataPBTColourblackColour chartSimilar to RAL 9011Insulating material groupIIIaFlaammability class UL 94V-0		
Qty. 50 pc(s). System parameters Conductor connection system Clamping yoke connection Outgoing direction of conductor 180° Pitch 3.5 mm Pitch in inch 0.138 inch No. of poles 12 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 1.516 inch Electric shock protection to DIN VDE 0470 IP 20 Electric shock protection to DIN VDE 0470 Safe from finger touch Material PBT Colour black colour chart Similar to RAL 9011 Insulating material group Illa Flammability class UL 94 V-0	Version	Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.50 mm, No. of poles: 12, 180°,
System Clamping yoke connection Outgoing direction of conductor 180° Pitch 3.5 mm Pitch in inch 0.138 inch No. of poles 12 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 38.5 mm L1 in inch 1.516 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 BT Colour black colour chart Similar to RAL 9011 Insulating material group Illa Flammability class UL 94 V-0	EAN	4008190060817
Conductor connection systemClamping yoke connectionOutgoing direction of conductor180°Pitch3.5 mmPitch in inch0.138 inchNo. of poles12No. of rows1Screwdriver blade0.4 x 2.5Screwdriver blade standardDIN 5264Tightening torque, min.0.2Tightening torque, max.0.25 NmClamping screwM 2Stripping length6 mmL1 in mm38.5 mmL1 in inch1.516 inchElectric shock protection to DIN VDE 0470IP 20Electric shock protection to DIN VDE 0470IP 20Colourblackcolour chartSimilar to RAL 9011Insulating material groupIllaFlammability class UL 94V-0	Qty.	50 pc(s).
Insulating materialPBTColourblackcolour chartSimilar to RAL 9011Insulating 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 12 1 0.4 x 2.5 DIN 5264 0.2 0.25 Nm M 2 6 mm 38.5 mm 1.516 inch IP 20
	Insulating material Colour colour chart Insulating material group	black Similar to RAL 9011 IIIa



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 ²
Solid, max. H05(07) V-U	1.5 mm²
Flexible, min. H05(07) V-K	0.2 mm ²
Flexible, max. H05(07) V-K	1.5 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.	1.5 mm²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm ²
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.	F 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

Order No.		
1597360000	BL 3.5/2 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , Pitch: 3.50 mm, No. of poles: 14, 180°, Box
	1597490000	BL 3.5/15 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , Pitch: 3.50 mm, No. of poles: 15, 180°, Box
	1615760000	BL 3.5/15 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , Pitch: 3.50 mm, No. of poles: 24, 180°, Box

