	L1+3xP •
Order No.	1640040000
Part designation	BL 3.5/13/270F SN OR
Version	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 13, 270°, Box
EAN	4008190277598
Qty.	50 pc(s).
System parameters 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 Electric shock protection to DIN VDE 0470	Clamping yoke connection 270° 3.5 mm 0.138 inch 13 1 0.4 x 2.5 DIN 5264 0.2 0.25 Nm M 2 6 mm 42 mm 1.654 inch IP 20 Safe from finger touch
Material data	
Insulating material	PBT
Colour	orange
colour chart	Similar to RAL 2000
Insulating material group	Illa
Flammability class UL 94	V-0
CTI	>= 200



Motorial data	
Material data	Conner ellev
Contact base material	Copper alloy
Contact surface	tinned
Connectable conductors	
Connectable conductors	0.08 mm ²
Clamping range, min.	1.5 mm ²
Clamping range, max.	1.5 mm
AWG, min. AWG, max.	28
	20 0.2 mm ²
Solid, min. H05(07) V-U	1.5 mm ²
Solid, max. H05(07) V-U 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, min.	1.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm ²
Gauge to EN 60999 a x b; \emptyset	2.4 mm x 1.5 mm;
Gauge to EN 00999 a X D, Ø	2.4 mm x 1.5 mm,
DIN IEC rating data	
Rated current, min. No. pins (Tu=20°C)	12 A
Rated current, max. No. pins (Tu=20°C)	10 A
Rated current, min. No. pins(Tu=40°C)	10 A
Rated current, max. No. pins (Tu=40°C)	8 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), max.	14
UL 1059 rating data	
Rated voltage (Use group D)	300 V
Rated current (Use group D)	8 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.		
1639930000	BL 3.5/2/270F 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, 270°, Box
1640160000	BL 3.5/2/270F 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, 270°, Box
1639940000	BL 3.5/3/270F 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, 270°, Box
1640170000	BL 3.5/3/270F 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, 270°, Box
1639950000	BL 3.5/4/270F 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, 270°, Box
1640180000	BL 3.5/4/270F 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, 270°, Box
1639960000	BL 3.5/5/270F 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, 270°, Box
1640190000	BL 3.5/5/270F 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, 270°, Box
1639970000	BL 3.5/6/270F 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, 270°, Box
1640200000	BL 3.5/6/270F 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, 270°, Box
1639980000	BL 3.5/7/270F 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, 270°, 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 3.5/90/270 | BL 3.5/270F

	1640210000	BL 3.5/7/270F 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, 270°, Box
	1639990000	BL 3.5/8/270F 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, 270°, Box
	1640220000	BL 3.5/8/270F 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, 270°, Box
	1640000000	BL 3.5/9/270F 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, 270°, Box
	1640230000	BL 3.5/9/270F 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, 270°, Box
	1640010000	BL 3.5/10/270F 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, 270°, Box
	1640240000	BL 3.5/10/270F 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, 270°, Box
	1640020000	BL 3.5/11/270F 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, 270°, Box
	1640250000	BL 3.5/11/270F 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, 270°, Box
	1640030000	BL 3.5/12/270F 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, 270°, Box
	1640260000	BL 3.5/12/270F 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: 12, 270°, Box
	1640270000	BL 3.5/13/270F 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, 270°, Box
	1640050000	BL 3.5/14/270F 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, 270°, Box
	1640280000	BL 3.5/14/270F 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, 270°, Box
	1640060000	BL 3.5/15/270F 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, 270°, Box
	1640290000	BL 3.5/15/270F 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, 270°, Box
	1640070000	BL 3.5/16/270F 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, 270°, 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 3.5/90/270 | BL 3.5/270F

1640300000	BL 3.5/16/270F 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, 270°, Box
1640080000	BL 3.5/17/270F 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, 270°, Box
1640310000	BL 3.5/17/270F 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, 270°, Box
1640090000	BL 3.5/18/270F 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, 270°, Box
1640320000	BL 3.5/18/270F 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, 270°, Box
1640100000	BL 3.5/19/270F 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, 270°, Box
1640330000	BL 3.5/19/270F 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, 270°, Box
1640110000	BL 3.5/20/270F 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, 270°, Box
1640340000	BL 3.5/20/270F 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, 270°, Box
1640120000	BL 3.5/21/270F 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, 270°, Box
1640350000	BL 3.5/21/270F 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, 270°, Box
1640130000	BL 3.5/22/270F 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, 270°, Box
1640360000	BL 3.5/22/270F 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, 270°, Box
1640140000	BL 3.5/23/270F 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, 270°, Box
1640370000	BL 3.5/23/270F 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, 270°, Box
1640150000	BL 3.5/24/270F 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, 270°, Box
1640380000	BL 3.5/24/270F 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, 270°, Box

