

General ordering data	
Order No.	1639660000
Part designation	BL 3.5/21/270 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: 21, 270°, Box
EAN	4008190277215
Otv	20 nc(s)

Qty. 20 pc(s).

Conductor connection system	Clamping yoke connection
Outgoing direction of conductor	270°
Pitch	3.5 mm
Pitch in inch	0.138 inch
No. of poles	21
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	70 mm
L1 in inch	2.756 inch
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 0470	Safe from finger touch

Material data	
Material data Contact base material	Connor allow
Contact base material Contact surface	Copper alloy tinned
Contact surface	unneu
Connectable conductors	
Clamping range, min.	0.08 mm²
Clamping range, max.	1.5 mm ²
AWG, min.	14
AWG, max.	28
Solid, min. H05(07) V-U	0.2 mm ²
Solid, max. H05(07) V-U	1.5 mm ²
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. With wire end ferrule, acc. to DIN 46 228/1, max.	1.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm ²
w. plastic collar ferrule, DIN 46226 pt 4, min.	1.5 mm ²
Gauge to EN 60999 a x b; Ø	2.4 mm x 1.5 mm;
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)	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	000 1/
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
AVVO conductor, max.	דו



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

1639470000	BL 3.5/2/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 2, 270°, Box
1639700000	BL 3.5/2/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 2, 270°, Box
1639480000	BL 3.5/3/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 3, 270°, Box
1639710000	BL 3.5/3/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 3, 270°, Box
1639490000	BL 3.5/4/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 4, 270°, Box
1639720000	BL 3.5/4/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 4, 270°, Box
1639500000	BL 3.5/5/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 5, 270°, Box
1639730000	BL 3.5/5/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 5, 270°, Box
1639510000	BL 3.5/6/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 6, 270°, Box
1639740000	BL 3.5/6/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 6, 270°, Box
1639520000	BL 3.5/7/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 7, 270°, Box

1639750000	BL 3.5/7/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 7, 270°, Box
1639530000	BL 3.5/8/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 8, 270°, Box
1639760000	BL 3.5/8/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 8, 270°, Box
1639540000	BL 3.5/9/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 9, 270°, Box
1639770000	BL 3.5/9/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 9, 270°, Box
1639550000	BL 3.5/10/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 10, 270°, Box
1639780000	BL 3.5/10/270 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
1639560000	BL 3.5/11/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 11, 270°, Box
1639790000	BL 3.5/11/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 11, 270°, Box
1639570000	BL 3.5/12/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 12, 270°, Box
1639800000	BL 3.5/12/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 12, 270°, Box
1639580000	BL 3.5/13/270 SN OR	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
1639810000	BL 3.5/13/270 SN SW	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
1639590000	BL 3.5/14/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 14, 270°, Box
1639820000	BL 3.5/14/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 14, 270°, Box
1639600000	BL 3.5/15/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 15, 270°, Box
1639830000	BL 3.5/15/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 15, 270°, Box



1639610000	BL 3.5/16/270 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
1639840000	BL 3.5/16/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 16, 270°, Box
1639620000	BL 3.5/17/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 17, 270°, Box
1639850000	BL 3.5/17/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 17, 270°, Box
1639630000	BL 3.5/18/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 18, 270°, Box
1639860000	BL 3.5/18/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 18, 270°, Box
1639640000	BL 3.5/19/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 19, 270°, Box
1639870000	BL 3.5/19/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 19, 270°, Box
1639650000	BL 3.5/20/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 20, 270°, Box
1639880000	BL 3.5/20/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 20, 270°, Box
1639890000	BL 3.5/21/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 21, 270°, Box
1639670000	BL 3.5/22/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 22, 270°, Box
1639900000	BL 3.5/22/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 22, 270°, Box
1639680000	BL 3.5/23/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 23, 270°, Box
1639910000	BL 3.5/23/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 23, 270°, Box
1639690000	BL 3.5/24/270 SN OR	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 24, 270°, Box
1639920000	BL 3.5/24/270 SN SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 1.5 mm², Pitch: 3.50 mm, No. of poles: 24, 270°, Box

