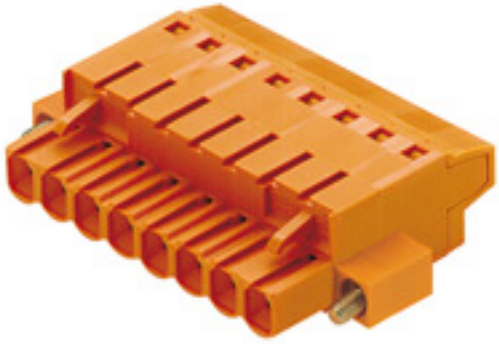
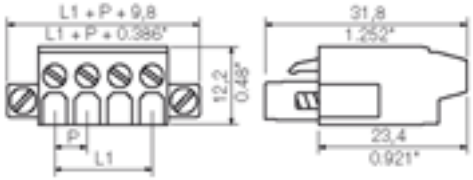




General ordering data	
Order No.	1844090000
Part designation	BLT 5.08/12F SN OR
Version	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 12, 180°, Box
EAN	4032248356010
Qty.	50 pc(s).

System parameters	
Conductor connection system	TOP connection
Outgoing direction of conductor	180°
Pitch	5.08 mm
Pitch in inch	0.2 inch
No. of poles	12
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	13 mm
L1 in mm	55.88 mm
L1 in inch	2.2 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	CuSn
Contact surface	tinned

Material data

Connectable conductors	
Clamping range, min.	0.13 mm²
Clamping range, max.	2.5 mm²
AWG, min.	28
AWG, max.	14
Solid, min. H05(07) V-U	0.2 mm²
Solid, max. H05(07) V-U	2.5 mm²
Flexible, min. H05(07) V-K	0.2 mm²
Flexible, max. H05(07) V-K	1.5 mm²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.2 mm²
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 mm²
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm²
Gauge to EN 60999 a x b; ø	2.4 mm x 1.5 mm ; 2.4 mm

DIN IEC rating data	
Rated current, min. No. pins (Tu=20°C)	17 A
Rated current, max. No. pins (Tu=20°C)	14 A
Rated current, min. No. pins(Tu=40°C)	15 A
Rated current, max. No. pins (Tu=40°C)	11.5 A
Rated voltage for overvoltage class/pollution severity II/2	400 V
Rated voltage for overvoltage class/pollution severity III/2	320 V
Rated voltage for overvoltage class/pollution severity III/3	250 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	4 kV
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.	26
AWG conductor (field wiring), max.	14

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.	14

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
1843990000	BLT 5.08/2F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 2, 180°, Box
1844220000	BLT 5.08/2F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 2, 180°, Box
1844000000	BLT 5.08/3F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 3, 180°, Box
1844230000	BLT 5.08/3F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 3, 180°, Box
1844010000	BLT 5.08/4F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 4, 180°, Box
1844240000	BLT 5.08/4F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 4, 180°, Box
1844020000	BLT 5.08/5F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 5, 180°, Box
1844250000	BLT 5.08/5F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 5, 180°, Box
1844030000	BLT 5.08/6F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 6, 180°, Box

1844260000	BLT 5.08/6F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 6, 180°, Box
1844040000	BLT 5.08/7F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 7, 180°, Box
1844270000	BLT 5.08/7F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 7, 180°, Box
1844050000	BLT 5.08/8F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 8, 180°, Box
1844280000	BLT 5.08/8F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 8, 180°, Box
1844060000	BLT 5.08/9F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 9, 180°, Box
1844290000	BLT 5.08/9F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 9, 180°, Box
1844070000	BLT 5.08/10F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 10, 180°, Box
1844300000	BLT 5.08/10F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 10, 180°, Box
1844080000	BLT 5.08/11F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 11, 180°, Box
1844310000	BLT 5.08/11F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 11, 180°, Box
1844320000	BLT 5.08/12F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 12, 180°, Box
1844100000	BLT 5.08/13F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 13, 180°, Box
1844330000	BLT 5.08/13F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 13, 180°, Box
1844110000	BLT 5.08/14F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 14, 180°, Box
1844340000	BLT 5.08/14F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 14, 180°, Box
1844120000	BLT 5.08/15F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 15, 180°, Box

1844350000	BLT 5.08/15F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 15, 180°, Box
1844130000	BLT 5.08/16F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 16, 180°, Box
1844360000	BLT 5.08/16F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 16, 180°, Box
1844140000	BLT 5.08/17F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 17, 180°, Box
1844370000	BLT 5.08/17F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 17, 180°, Box
1844150000	BLT 5.08/18F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 18, 180°, Box
1844380000	BLT 5.08/18F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 18, 180°, Box
1844160000	BLT 5.08/19F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 19, 180°, Box
1844390000	BLT 5.08/19F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 19, 180°, Box
1844170000	BLT 5.08/20F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 20, 180°, Box
1844400000	BLT 5.08/20F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 20, 180°, Box
1844180000	BLT 5.08/21F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 21, 180°, Box
1844410000	BLT 5.08/21F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 21, 180°, Box
1844190000	BLT 5.08/22F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 22, 180°, Box
1844420000	BLT 5.08/22F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 22, 180°, Box
1844200000	BLT 5.08/23F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 23, 180°, Box
1844430000	BLT 5.08/23F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 23, 180°, Box

1844210000	BLT 5.08/24F SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 24, 180°, Box
1844440000	BLT 5.08/24F SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 24, 180°, Box