



#### General ordering data

Order No.	1890250000
Part designation	BLT 5.08/05LR SN OR
Version	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 180°, Box
EAN	4032248498734
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	5
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	20.32 mm
L1 in inch	0.8 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 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>
AWG, min.	28
AWG, max.	14
Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>
Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
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 mm <sup>2</sup>
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 ; 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 3.0	EC001284
eClass 5.1	27-26-07-04

## Similar products

Order No.	Part designation	Version
1890220000	BLT 5.08/02LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 180°, Box
1894130000	BLT 5.08/02/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 2, 180°, Box
1890230000	BLT 5.08/03LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 180°, Box
1894140000	BLT 5.08/03/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 180°, Box
1890240000	BLT 5.08/04LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 180°, Box
1894150000	BLT 5.08/04/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 180°, Box
1894160000	BLT 5.08/05/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 5, 180°, Box
1890260000	BLT 5.08/06LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 180°, Box
1894170000	BLT 5.08/06/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 180°, Box
1890270000	BLT 5.08/07LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 180°, Box

1894180000	BLT 5.08/07/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 180°, Box
1890280000	BLT 5.08/08LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 180°, Box
1894190000	BLT 5.08/08/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 180°, Box
1890290000	BLT 5.08/09LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 180°, Box
1894200000	BLT 5.08/09/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 9, 180°, Box
1890300000	BLT 5.08/10LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 180°, Box
1894210000	BLT 5.08/10/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 180°, Box
1890310000	BLT 5.08/11LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 11, 180°, Box
1894220000	BLT 5.08/11/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 11, 180°, Box
1890320000	BLT 5.08/12LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 180°, Box
1894230000	BLT 5.08/12/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 180°, Box
1890330000	BLT 5.08/13LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 13, 180°, Box
1894240000	BLT 5.08/13/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 13, 180°, Box
1890340000	BLT 5.08/14LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 14, 180°, Box
1894250000	BLT 5.08/14/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 14, 180°, Box
1890350000	BLT 5.08/15LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 15, 180°, Box
1894260000	BLT 5.08/15/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 15, 180°, Box

1890360000	BLT 5.08/16LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 180°, Box
1894270000	BLT 5.08/16/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 180°, Box
1890370000	BLT 5.08/17LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 17, 180°, Box
1894280000	BLT 5.08/17/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 17, 180°, Box
1890380000	BLT 5.08/18LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 18, 180°, Box
1894290000	BLT 5.08/18/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 18, 180°, Box
1890390000	BLT 5.08/19LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 19, 180°, Box
1894310000	BLT 5.08/19/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 19, 180°, Box
1890400000	BLT 5.08/20LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 20, 180°, Box
1894330000	BLT 5.08/20/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 20, 180°, Box
1890410000	BLT 5.08/21LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 21, 180°, Box
1894340000	BLT 5.08/21/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 21, 180°, Box
1890420000	BLT 5.08/22LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 22, 180°, Box
1894350000	BLT 5.08/22/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 22, 180°, Box
1890430000	BLT 5.08/23LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 23, 180°, Box
1894360000	BLT 5.08/23/LR SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 23, 180°, Box
1890440000	BLT 5.08/24LR SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 24, 180°, Box

1894370000 BLT 5.08/24/LR SN SW

PCB plug-in connector, Female connectors, TOP connection,  
Clamping range, max.: 2.5 mm<sup>2</sup>, Pitch: 5.08 mm, No. of poles: 24,  
180°, Box