



#### General ordering data

Order No.	1501160000
Part designation	BLT 5.08/18 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: 18, 180°, Box
EAN	4008190041359
Qty.	20 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	18
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	86.36 mm
L1 in inch	3.4 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.	26
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 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
1499560000	BLT 5.08/2 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
1499510000	BLT 5.08/2 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
1499660000	BLT 5.08/3 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
1499610000	BLT 5.08/3 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
1499760000	BLT 5.08/4 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
1499710000	BLT 5.08/4 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
1499860000	BLT 5.08/5 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: 5, 180°, Box
1499810000	BLT 5.08/5 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

1499960000	BLT 5.08/6 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
1499910000	BLT 5.08/6 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
1500060000	BLT 5.08/7 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
1500010000	BLT 5.08/7 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
1500160000	BLT 5.08/8 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
1500110000	BLT 5.08/8 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
1500260000	BLT 5.08/9 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
1500210000	BLT 5.08/9 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
1500360000	BLT 5.08/10 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
1500310000	BLT 5.08/10 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
1500460000	BLT 5.08/11 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
1500410000	BLT 5.08/11 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
1500560000	BLT 5.08/12 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
1500510000	BLT 5.08/12 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
1500660000	BLT 5.08/13 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
1500610000	BLT 5.08/13 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
1500760000	BLT 5.08/14 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

1500710000	BLT 5.08/14 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
1500860000	BLT 5.08/15 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
1500810000	BLT 5.08/15 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
1500960000	BLT 5.08/16 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
1500910000	BLT 5.08/16 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
1501060000	BLT 5.08/17 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
1501010000	BLT 5.08/17 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
1501110000	BLT 5.08/18 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
1501260000	BLT 5.08/19 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
1501210000	BLT 5.08/19 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
1501360000	BLT 5.08/20 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
1501310000	BLT 5.08/20 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
1501460000	BLT 5.08/21 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
1501410000	BLT 5.08/21 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
1501560000	BLT 5.08/22 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
1501510000	BLT 5.08/22 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
1501660000	BLT 5.08/23 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

1501610000	BLT 5.08/23 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
1501760000	BLT 5.08/24 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
1501710000	BLT 5.08/24 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