



General ordering data

Order No.	1890090000
Part designation	BLT 5.08/12LH SN OR
Version	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 12, 180°, Box
EAN	4032248498505
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 mm ²
Clamping range, max.	2.5 mm ²
AWG, min.	28
AWG, max.	14
Solid, min. H05(07) V-U	0.2 mm ²
Solid, max. H05(07) V-U	2.5 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, max.	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; 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
1889960000	BLT 5.08/02LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 2, 180°, Box
1892490000	BLT 5.08/02/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 2, 180°, Box
1889970000	BLT 5.08/03LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 3, 180°, Box
1892500000	BLT 5.08/03/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 3, 180°, Box
1889980000	BLT 5.08/04LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 4, 180°, Box
1892510000	BLT 5.08/04/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 4, 180°, Box
1889990000	BLT 5.08/05LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 5, 180°, Box
1892520000	BLT 5.08/05/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 5, 180°, Box
1890030000	BLT 5.08/06LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 6, 180°, Box
1892530000	BLT 5.08/06/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 6, 180°, Box

1890040000	BLT 5.08/07LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 7, 180°, Box
1892540000	BLT 5.08/07/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 7, 180°, Box
1890050000	BLT 5.08/08LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 8, 180°, Box
1892550000	BLT 5.08/08/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 8, 180°, Box
1890060000	BLT 5.08/09LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 9, 180°, Box
1892560000	BLT 5.08/09/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 9, 180°, Box
1890070000	BLT 5.08/10LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 10, 180°, Box
1892570000	BLT 5.08/10/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 10, 180°, Box
1890080000	BLT 5.08/11LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 11, 180°, Box
1892580000	BLT 5.08/11/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 11, 180°, Box
1892590000	BLT 5.08/12/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 12, 180°, Box
1890100000	BLT 5.08/13LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 13, 180°, Box
1892600000	VLT 5.08/13/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 13, 180°, Box
1890110000	BLT 5.08/14LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 14, 180°, Box
1892610000	BLT 5.08/14/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 14, 180°, Box
1890120000	BLT 5.08/15LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 15, 180°, Box
1892620000	BLT 5.08/15/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 15, 180°, Box

1890130000	BLT 5.08/16LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 16, 180°, Box
1892630000	BLT 5.08/16/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 16, 180°, Box
1890140000	BLT 5.08/17LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 17, 180°, Box
1892640000	BLT 5.08/17/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 17, 180°, Box
1890150000	BLT 5.08/18LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 18, 180°, Box
1892650000	BLT 5.08/18/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 18, 180°, Box
1890160000	BLT 5.08/19LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 19, 180°, Box
1892660000	BLT 5.08/19/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 19, 180°, Box
1890170000	BLT 5.08/20LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 20, 180°, Box
1892670000	BLT 5.08/20/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 20, 180°, Box
1890180000	BLT 5.08/21LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 21, 180°, Box
1892680000	BLT 5.08/21/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 21, 180°, Box
1890190000	BLT 5.08/22LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 22, 180°, Box
1892690000	BLT 5.08/22/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 22, 180°, Box
1890200000	BLT 5.08/23LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 23, 180°, Box
1892700000	BLT 5.08/23/LH SN SW	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 23, 180°, Box
1890210000	BLT 5.08/24LH SN OR	PCB plug-in connector, Female connectors, TOP connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 24, 180°, Box

1892710000 BLT 5.08/24/LH 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