



General ordering data

Order No.	1610590000
Part designation	BLC 5.08/12R OR
Version	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 12, 180°, Box
EAN	4008190074197
Qty.	50 pc(s).

System parameters

Conductor connection system	Crimp connection
Outgoing direction of conductor	180°
Pitch	5.08 mm
Pitch in inch	0.2 inch
No. of poles	12
Stripping length	5 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 GF
Colour	orange
colour chart	Similar to RAL 2000

Material data

Insulating material group	IIIa
Flammability class UL 94	V-0
Contact base material	Copper alloy
Contact surface	tinned

Connectable conductors

Clamping range, min.	0.22 mm ²
Clamping range, max.	2.5 mm ²
AWG, min.	24
AWG, max.	14
Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	2.5 mm ²

DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	21 A
Rated current, max. No. pins (Tu=20°C)	14.5 A
Rated current, min. No. pins (Tu=40°C)	18 A
Rated current, max. No. pins (Tu=40°C)	12.5 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 120 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
1610490000	BLC 5.08/2R OR	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 2, 180°, Box
1711960000	BLC 5.08/2R SW	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 2, 180°, Box
1610500000	BLC 5.08/3R OR	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 3, 180°, Box
1711970000	BLC 5.08/3R SW	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 3, 180°, Box
1610510000	BLC 5.08/4R OR	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 4, 180°, Box
1711980000	BLC 5.08/4R SW	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 4, 180°, Box
1610520000	BLC 5.08/5R OR	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 5, 180°, Box
1711990000	BLC 5.08/5R SW	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 5, 180°, Box
1610530000	BLC 5.08/6R OR	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 6, 180°, Box
1712000000	BLC 5.08/6R SW	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 6, 180°, Box
1610540000	BLC 5.08/7R OR	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 7, 180°, Box
1712010000	BLC 5.08/7R SW	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 7, 180°, Box
1610550000	BLC 5.08/8R OR	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 8, 180°, Box

1712020000	BLC 5.08/8R SW	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 8, 180°, Box
1610560000	BLC 5.08/9R OR	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 9, 180°, Box
1712030000	BLC 5.08/9R SW	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 9, 180°, Box
1610570000	BLC 5.08/10R OR	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 10, 180°, Box
1712040000	BLC 5.08/10R SW	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 10, 180°, Box
1610580000	BLC 5.08/11R OR	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 11, 180°, Box
1712050000	BLC 5.08/11R SW	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 11, 180°, Box
1712060000	BLC 5.08/12R SW	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 12, 180°, Box
1610600000	BLC 5.08/13R OR	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 13, 180°, Box
1712070000	BLC 5.08/13R SW	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 13, 180°, Box
1610610000	BLC 5.08/14R OR	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 14, 180°, Box
1712080000	BLC 5.08/14R SW	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 14, 180°, Box
1610620000	BLC 5.08/15R OR	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 15, 180°, Box
1712090000	BLC 5.08/15R SW	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 15, 180°, Box
1610630000	BLC 5.08/16R OR	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 16, 180°, Box
1712100000	BLC 5.08/16R SW	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 16, 180°, Box