



#### General ordering data

Order No.	1610540000
Part designation	BLC 5.08/7R OR
Version	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 7, 180°, Box
EAN	4008190156398
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	7
Stripping length	5 mm
L1 in mm	30.48 mm
L1 in inch	1.2 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 <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>
AWG, min.	24
AWG, max.	14
Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>
Flexible, max. H05(07) V-K	2.5 mm <sup>2</sup>

#### 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 180°, Box
1712010000	BLC 5.08/7R SW	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 11, 180°, Box
1610590000	BLC 5.08/12R OR	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 180°, Box
1712060000	BLC 5.08/12R SW	PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 180°, Box