



#### General ordering data

Order No.	1649450000
Part designation	BLC 5.08/10BR 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: 10, 180°, Box
EAN	4008190294564
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	10
No. of rows	1
Stripping length	5 mm
L1 in mm	45.72 mm
L1 in inch	1.8 inch
Electric shock protection to DIN VDE 0470	Safe from finger touch

#### Material data

Insulating material	PBT GF
Colour	orange

#### Material data

colour chart	Similar to RAL 2000
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



## Approvals

### 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
1649370000	BLC 5.08/2BR 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
1712110000	BLC 5.08/2BR 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
1649380000	BLC 5.08/3BR 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
1712120000	BLC 5.08/3BR 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
1649390000	BLC 5.08/4BR 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
1712130000	BLC 5.08/4BR 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
1649400000	BLC 5.08/5BR 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
1712140000	BLC 5.08/5BR 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
1649410000	BLC 5.08/6BR 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
1712150000	BLC 5.08/6BR 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
1649420000	BLC 5.08/7BR 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: 7, 180°, Box
1712160000	BLC 5.08/7BR 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

1649430000	BLC 5.08/8BR 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
1712170000	BLC 5.08/8BR 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
1649440000	BLC 5.08/9BR 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
1712180000	BLC 5.08/9BR 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
1712190000	BLC 5.08/10BR 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
1649460000	BLC 5.08/11BR 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
1712200000	BLC 5.08/11BR 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
1649470000	BLC 5.08/12BR 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
1712210000	BLC 5.08/12BR 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
1649480000	BLC 5.08/13BR 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
1712220000	BLC 5.08/13BR 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
1649490000	BLC 5.08/14BR 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
1712230000	BLC 5.08/14BR 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
1649500000	BLC 5.08/15BR 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
1712240000	BLC 5.08/15BR 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
1649510000	BLC 5.08/16BR 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
1712250000	BLC 5.08/16BR 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