



General ordering data

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| Order No. | 1712040000 |
| Part designation | BLC 5.08/10R SW |
| Version | 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 |
| EAN | 4008190935054 |
| Qty. | 50 pc(s). |

System parameters

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|---|------------------------|
| Conductor connection system | Crimp connection |
| Outgoing direction of conductor | 180° |
| Pitch | 5.08 mm |
| Pitch in inch | 0.2 inch |
| No. of poles | 10 |
| 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

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|---------------------|---------------------|
| Insulating material | PBT GF |
| Colour | black |
| colour chart | Similar to RAL 9011 |

Material data

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

Connectable conductors

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|----------------------------|----------------------|
| 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

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|--|-------------------|
| 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

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|------------------------------------|-------|
| 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

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|-----------------------------|-------|
| 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 |

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| 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 |
| 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 |
| 1610590000 | BLC 5.08/12R OR | 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 |
| 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 |