



General ordering data

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| Order No. | 1712190000 |
| Part designation | BLC 5.08/10BR 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 | 4008190935207 |
| 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 |
| 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

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|---------------------|--------|
| Insulating material | PBT GF |
| Colour | black |

Material data

| | |
|---------------------------|---------------------|
| colour chart | Similar to RAL 9011 |
| 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



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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , Pitch: 5.08 mm, No. of poles: 7, 180°, Box |

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| 1649430000 | BLC 5.08/8BR 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 |
| 1712170000 | BLC 5.08/8BR 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 |
| 1649440000 | BLC 5.08/9BR 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 |
| 1712180000 | BLC 5.08/9BR 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 |
| 1649450000 | BLC 5.08/10BR 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 |
| 1649460000 | BLC 5.08/11BR 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 |
| 1712200000 | BLC 5.08/11BR 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 |
| 1649470000 | BLC 5.08/12BR 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 |
| 1712210000 | BLC 5.08/12BR 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 |
| 1649480000 | BLC 5.08/13BR 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 |
| 1712220000 | BLC 5.08/13BR 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 |
| 1649490000 | BLC 5.08/14BR 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 |
| 1712230000 | BLC 5.08/14BR 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 |
| 1649500000 | BLC 5.08/15BR 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 |
| 1712240000 | BLC 5.08/15BR 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 |
| 1649510000 | BLC 5.08/16BR 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 |
| 1712250000 | BLC 5.08/16BR 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 |