



General ordering data

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| Order No. | 1707740000 |
| Part designation | BLZF 5.08/7 SN SW |
| Version | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 7, 180°, Box |
| EAN | 4008190316747 |
| Qty. | 50 pc(s). |

System parameters

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|---|--------------------------|
| Conductor connection system | Tension clamp connection |
| Outgoing direction of conductor | 180° |
| Pitch | 5.08 mm |
| Pitch in inch | 0.2 inch |
| No. of poles | 7 |
| No. of rows | 1 |
| Screwdriver blade | 0.6 x 3.5 |
| Screwdriver blade standard | DIN 5264-A |
| Stripping length | 10 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

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|---------------------------|---------------------|
| Insulating material | PBT |
| Colour | black |
| colour chart | Similar to RAL 9011 |
| Insulating material group | IIIa |
| Flammability class UL 94 | V-0 |
| CTI | >= 200 |
| Contact base material | Copper alloy |
| Contact surface | tinned |

Connectable conductors

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|---|----------------------|
| Clamping range, min. | 0.13 mm ² |
| Clamping range, max. | 3.31 mm ² |
| AWG, min. | 26 |
| AWG, max. | 12 |
| Solid, min. H05(07) V-U | 0.2 mm ² |
| Solid, max. H05(07) V-U | 2.5 mm ² |
| Flexible, min. H05(07) V-K | 0.2 mm ² |
| Flexible, max. H05(07) V-K | 2.5 mm ² |
| With wire end ferrule, acc. to DIN 46 228/1, min. | 0.2 mm ² |
| With wire end ferrule, acc. to DIN 46 228/1, max. | 1.5 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.2 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, max. | 1.5 mm ² |
| Gauge to EN 60999 a x b; ø | 2.8 mm x 2.0 mm; |

DIN IEC rating data

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| Rated current, min. No. pins (Tu=20°C) | 17 A |
| Rated current, max. No. pins (Tu=20°C) | 12.5 A |
| Rated current, min. No. pins (Tu=40°C) | 14.5 A |
| Rated current, max. No. pins (Tu=40°C) | 11 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. | 12 |

UL 1059 rating data

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|-----------------------------|-------|
| Rated voltage (Use group D) | 300 V |
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UL 1059 rating data

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| Rated current (Use group D) | 10 A |
| AWG conductor, min. | 26 |
| AWG conductor, max. | 12 |

Approvals

Approvals institutes



Classifications

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|------------|-------------|
| 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 |
|------------|-------------------|---|
| 1707460000 | BLZF 5.08/2 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1707690000 | BLZF 5.08/2 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1707470000 | BLZF 5.08/3 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 3, 180°, Box |
| 1707700000 | BLZF 5.08/3 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 3, 180°, Box |
| 1707480000 | BLZF 5.08/4 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 4, 180°, Box |
| 1707710000 | BLZF 5.08/4 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 4, 180°, Box |
| 1707490000 | BLZF 5.08/5 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 5, 180°, Box |
| 1707720000 | BLZF 5.08/5 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 5, 180°, Box |

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| 170750000 | BLZF 5.08/6 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 6, 180°, Box |
| 1707730000 | BLZF 5.08/6 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 6, 180°, Box |
| 1707510000 | BLZF 5.08/7 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 7, 180°, Box |
| 1707520000 | BLZF 5.08/8 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 8, 180°, Box |
| 1707750000 | BLZF 5.08/8 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 8, 180°, Box |
| 1707530000 | BLZF 5.08/9 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 9, 180°, Box |
| 1707760000 | BLZF 5.08/9 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 9, 180°, Box |
| 1707540000 | BLZF 5.08/10 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 1707770000 | BLZF 5.08/10 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 1707550000 | BLZF 5.08/11 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 11, 180°, Box |
| 1707780000 | BLZF 5.08/11 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 11, 180°, Box |
| 1707560000 | BLZF 5.08/12 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| 1707790000 | BLZF 5.08/12 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| 1707570000 | BLZF 5.08/13 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 13, 180°, Box |
| 1707800000 | BLZF 5.08/13 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 13, 180°, Box |
| 1707580000 | BLZF 5.08/14 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 14, 180°, Box |
| 1707810000 | BLZF 5.08/14 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 14, 180°, Box |

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| 1707590000 | BLZF 5.08/15 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 15, 180°, Box |
| 1707820000 | BLZF 5.08/15 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 15, 180°, Box |
| 1707600000 | BLZF 5.08/16 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 1707830000 | BLZF 5.08/16 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 1707610000 | BLZF 5.08/17 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 17, 180°, Box |
| 1707840000 | BLZF 5.08/17 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 17, 180°, Box |
| 1707620000 | BLZF 5.08/18 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| 1707850000 | BLZF 5.08/18 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| 1707630000 | BLZF 5.08/19 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 19, 180°, Box |
| 1707860000 | BLZF 5.08/19 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 19, 180°, Box |
| 1707640000 | BLZF 5.08/20 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 1707870000 | BLZF 5.08/20 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 1707650000 | BLZF 5.08/21 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 21, 180°, Box |
| 1707880000 | BLZF 5.08/21 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 21, 180°, Box |
| 1707660000 | BLZF 5.08/22 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 22, 180°, Box |
| 1707890000 | BLZF 5.08/22 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 22, 180°, Box |
| 1707670000 | BLZF 5.08/23 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 23, 180°, Box |

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| 1707900000 | BLZF 5.08/23 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 23, 180°, Box |
| 1707680000 | BLZF 5.08/24 SN OR | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 24, 180°, Box |
| 1707910000 | BLZF 5.08/24 SN SW | PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.08 mm, No. of poles: 24, 180°, Box |