



General ordering data

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| Order No. | 1577490000 |
| Part designation | BLAC 7R OR |
| Version | 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 |
| EAN | 4008190168360 |
| 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 | 7 |
| No. of rows | 1 |
| Stripping length | 5 mm |
| L1 in mm | 35.56 mm |
| L1 in inch | 1.4 inch |
| Electric shock protection to DIN VDE 0470 | Finger-safe unplugged/ back-of-hand-safe plugged |

Material data

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| Insulating material | PBT GF |
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Material data

| | |
|---------------------------|---------------------|
| Colour | orange |
| colour chart | Similar to RAL 2000 |
| Insulating material group | IIIa |
| Flammability class UL 94 | V-0 |
| Contact base material | Copper alloy |

Connectable conductors

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|----------------------|----------------------|
| Clamping range, min. | 0.22 mm ² |
| Clamping range, max. | 2.5 mm ² |
| AWG, min. | 26 |
| AWG, max. | 14 |

DIN IEC rating data

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|--|-------------------|
| Rated current, min. No. pins (Tu=20°C) | 20 A |
| Rated current, max. No. pins (Tu=20°C) | 12.5 A |
| Rated current, min. No. pins (Tu=40°C) | 17.5 A |
| Rated current, max. No. pins (Tu=40°C) | 11 A |
| Rated voltage for overvoltage class/pollution severity II/2 | 500 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 |
|------------|------------------|---|
| 1578220000 | BLAC 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 |
| 1477960000 | BLAC 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 |
| 1478060000 | BLAC 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 |
| 1577480000 | BLAC 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 |
| 1478160000 | BLAC 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 |
| 1478260000 | BLAC 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 |
| 1577500000 | BLAC 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 |
| 1478360000 | BLAC 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 |
| 1577510000 | BLAC 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 |
| 1478460000 | BLAC 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 |
| 1601120000 | BLAC 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 |
| 1594160000 | BLAC 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 |
| 1601130000 | BLAC 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 |

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| 1478560000 | BLAC 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 |
| 1601140000 | BLAC 17R OR | PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 17, 180°, Box |
| 1601150000 | BLAC 18R OR | PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| 1601160000 | BLAC 19R OR | PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 19, 180°, Box |
| 1478660000 | BLAC 20R OR | PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 1601170000 | BLAC 21R OR | PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 21, 180°, Box |
| 1601180000 | BLAC 22R OR | PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 22, 180°, Box |
| 1601190000 | BLAC 23R OR | PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 23, 180°, Box |
| 1478760000 | BLAC 24R OR | PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 24, 180°, Box |