



#### General ordering data

Order No.	1578220000
Part designation	BLAC 2R 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: 2, 180°, Box
EAN	4008190038014
Qty.	100 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	2
No. of rows	1
Stripping length	5 mm
L1 in mm	5.08 mm
L1 in inch	0.2 inch
Electric shock protection to DIN VDE 0470	Finger-safe unplugged/ back-of-hand-safe plugged

#### Material data

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

Clamping range, min.	0.22 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>
AWG, min.	26
AWG, max.	14

#### DIN IEC rating data

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

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



#### 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
1477960000	BLAC 3R 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
1478060000	BLAC 4R 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
1577480000	BLAC 5R 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
1478160000	BLAC 6R 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
1577490000	BLAC 7R 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
1478260000	BLAC 8R 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
1577500000	BLAC 9R 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
1478360000	BLAC 10R 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: 10, 180°, Box
1577510000	BLAC 11R 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
1478460000	BLAC 12R 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
1601120000	BLAC 13R 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
1594160000	BLAC 14R 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
1601130000	BLAC 15R 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

1478560000	BLAC 16R 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
1601140000	BLAC 17R 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: 17, 180°, Box
1601150000	BLAC 18R 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: 18, 180°, Box
1601160000	BLAC 19R 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: 19, 180°, Box
1478660000	BLAC 20R 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: 20, 180°, Box
1601170000	BLAC 21R 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: 21, 180°, Box
1601180000	BLAC 22R 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: 22, 180°, Box
1601190000	BLAC 23R 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: 23, 180°, Box
1478760000	BLAC 24R 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: 24, 180°, Box