



General ordering data

Order No. Part designation Version

EAN Qty.

System parameters

Conductor connection system Outgoing direction of conductor Pitch Pitch in inch No. of poles Stripping length L1 in mm L1 in inch Electric shock protection to DIN VDE 0470

Material data

Insulating material Colour colour chart 171200000 BLC 5.08/6R SW PCB plug-in connector, Female connectors, Crimp connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 6, 180°, Box 4008190935016 50 pc(s).

Crimp connection	
180°	
5.08 mm	
0.2 inch	
6	
5 mm	
25.4 mm	
1 inch	
Safe from finger touch	۱

PBT GF black Similar to RAL 9011



Material data	
Insulating material group	Illa
Flammability class UL 94	V-0
Contact base material	
Contact base material	Copper alloy
Contact surface	tinned
Connectable conductors	
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
	2.0 mm
DIN IEC rating data	
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	400 V
severity II/2	
Rated voltage for overvoltage class/pollution	320 V
severity III/2	
Rated voltage for overvoltage class/pollution	250 V
severity III/3	
Rated impulse withstand voltage for overvoltage	4 kV
class/pollution severity II/2	
Rated impulse withstand voltage for overvoltage	4 kV
class/pollution severity III/2	
Rated impulse withstand voltage for overvoltage	4 kV
class/pollution severity III/3	
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

	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
	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
	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
1712040000	BLC 5.08/10R SW	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

