

**straight\_in\_line\_receptacle\_with\_break\_away\_and\_push\_pull\_locking\_for\_bend\_relief**

size: 1, IP68, keying: 0, number\_of\_contacts: 16, solder\_cup, contact\_type: sockets, Signal



**Basic information**

Part number	K41B0C-P16LCC0-500S
Category	connector
Type of connector	in_line_receptacle
Assembly situation	straight
Size	1

**Contact insert description**

Transmission type	Signal
Number of contacts	16
Contact type	sockets
Contact diameter	0.5 mm
Termination type	solder_cup
Termination diameter	0.45 mm
Wire cross section AWG	AWG 28

**Technical information**

Nominal current single contact	4 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
Max. current insert	2	VDE 0298-4:2003
Test voltage	0.9 kV AC	SAE AS 13441:1998 method 3001.1
Max. creepage distance (contact to contact)	0.4 mm (Contact to housing)	
Max. creepage distance (contact to housing)	0.9 mm (Contact to housing)	
Max. clearance distance (contact to contact)	0.4 mm (Contact to contact)	
Max. clearance distance (contact to housing)	0.9 mm (Contact to housing)	

**Cable description**

Cable outlet	cable_bend_relief
Min. cable diameter	4.5
Max. cable diameter	5

## Mechanical and environmental data

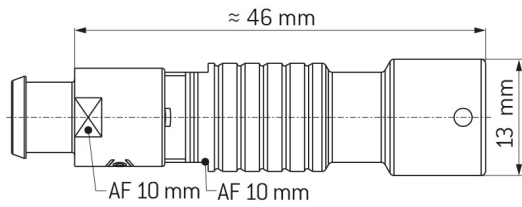
<b>Locking principle</b>	break_away , push_pull
<b>Mating cycles</b>	5000
<b>IP class</b>	IP68
<b>Max. operating temperature</b>	120 °C
<b>Min. operating temperature</b>	-40 °C

ip\_protection\_class\_refers\_to\_mated\_condition

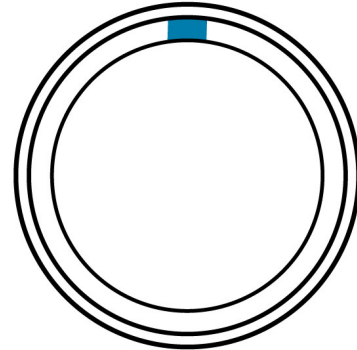
## Material and surface treatments

<b>Material</b>	cu_alloy_with_matt_chrome_finish
<b>Insulator material</b>	peek
<b>Contact material</b>	cu_alloy_with_gold_finish

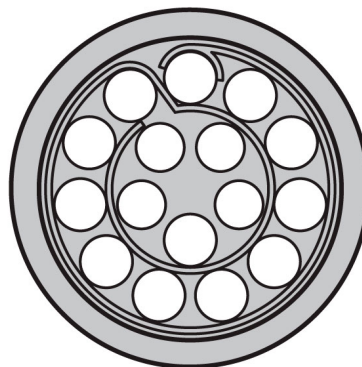
### DIMENSIONS:



### CODING: 0°



### POSITIONS: 16 Positions



### Further technical information and downloads

[3D-File \[STP File\]](#)