



*Image for illustrative purpose only*

## Summary

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Nb of contacts Coax	1
Socket / Receptacle	Socket / Receptacle - Free
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.80 - 3.10 mm
Size	00
Suggested matching part	<a href="#">FFA.00.250.CTAC31</a>
Series	00 - NIM-CAMAC

[https://www.lemo.com/int\\_en/solutions/specialties/00-nim-camac/pca-00-250-ctlc31.html](https://www.lemo.com/int_en/solutions/specialties/00-nim-camac/pca-00-250-ctlc31.html)

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# Technical details

## Electrical Configuration

Nb of contacts Coax	1
Contact Termination Coax	Solder
R (max)	6.1 mOhm
Insert configuration value	0.25 - 1 Coax (50 Ohm)
Insulator	T: PTFE
Rated current	4 A
Impedance	50 Ohm
OHM	50
VSWR	$1.09 + 0.11 * f/\text{GHz}$
Vtest	2100 V (AC), 3000 V (DC)
Contact Type	Coaxial 50 Ohm (Solder)
Test voltage	2.1 kV (rms)
Cable type	RG 174 A/U
Bucket Dia.	0.6 mm (0.024in)
Contact Dia.	0.7 mm (0.028in)

## Form & Material

Shell style / Model id	PCA - Free receptacle with cable collet
Socket / Receptacle	Free
Housing material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Locking system	Push-pull
Keying	Circular, female
Colour	Grey
Weight	3.35 g

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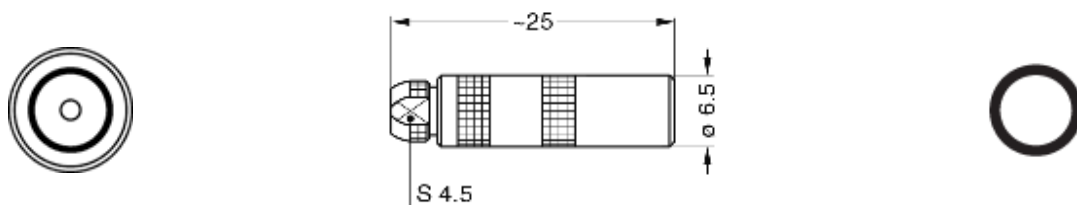
## Environment

Environmental sealing (IP rating)	IP50
Endurance	5000 mating cycles
F ret (min)	100 N
Salt Spray Corrosion	>1000 hr

## Cable fixation

Cable termination protection	Standard back nut (no additional protection)
Fixation type	Cable collet
Jacket cable outside diameter [mm]	2.80 - 3.10 mm

## Drawings



## Dimensions

	A	L	S2
mm.	6.5	25	4.5
in.	0.26	0.98	0.18

## Recommended By Lemo

### Accessories



Compatible cap

[BRF.00.200.NAS](#)

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# Cables

Cable PartNumber	Material	Colour	Cable image
17420	PVC	Black	
31600	PTFE	Brown	
CCX.50.RG1.74AU28N	PVC	Black	
CCX.50.RG1.74AU28N	PVC	Black	
CCX.50.RG3.16U28M	PTFE	Brown	

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