

Special



*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] | 1.80 - 2.20 mm                     |
| Size                               | 00                                 |
| Suggested matching part            | <a href="#">FFA.00.250.CTAC22Z</a> |
| Series                             | 00 - NIM-CAMAC                     |

[https://www.lemo.com/int\\_en/solutions/specialties/00-nim-camac/pca-00-250-ctlc22z.html](https://www.lemo.com/int_en/solutions/specialties/00-nim-camac/pca-00-250-ctlc22z.html)

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# Technical details

## Electrical Configuration

|   |  |
|---|--|
| Nb of contacts Coax                         | 1  |
| Contact Termination Coax - Conductor fixing | Solder   |
| Contact Termination Coax – Screen fixing    | Cable collet   |
| R (max)                                     | 6.1 mOhm   |
| Insert configuration value                  | 0.25 - 1 Coax (50 Ohm)                                   |
| Insulator                                   | T: PTFE  |
| Rated current                               | 4 A  |
| Impedance                                   | 50 Ohms  |
| VSWR  | $1.09 + 0.11 * f/\text{GHz}$                             |
| Vtest                                       | 2100 V (AC), 3000 V (DC)                                 |
| Test voltage                                | 2.1 kV (rms)   |
| Cable type                                  | RG 196 A/U - RG 178 B/U - LEMO Germany reference 178 190 |
| 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  |
| Variant                | Nut for fitting a bend relief   |
| Weight                 | 4.37 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       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 1.80 - 2.20 mm        |

# Recommended By Lemo

## Accessories

|                |                                |
|----------------|--------------------------------|
| Compatible cap | <a href="#">BRF.00.200.NAS</a> |
|----------------|--------------------------------|

# Cables

| Cable PartNumber    | Material | Colour | Cable image |
|---------------------|----------|--------|-------------|
| 178190              | PTFE     | Brown  |             |
| 196270              | PTFE     | White  |             |
| CCX.50.030.083.180B |          | white  |             |
| CCX.50.RG1.78BU18M  | FEP      | Brown  |             |
| CCX.50.RG1.78BU18M  | PTFE     | Brown  |             |
| CCX.50.RG1.96AU19B  | PTFE     | White  |             |
| CCX.50.RG1.96AU20B  | PFA      | White  |             |

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