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Summary

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| | |
|------------------------------------|---|
| Nb of contacts Coax | 1 |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 2.80 - 3.10 mm |
| Size | 00 |
| Suggested matching part | FFA.00.250.CTAC31 |
| Series | 00 - NIM-CAMAC |

https://www.lemo.com/int_en/solutions/specialties/00-nim-camac/psa-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 | PSA - Fixed receptacle, nut fixing, with cable collet |
| Socket / Receptacle | Fixed Panel Front Mounted |
| 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 | 4.07 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 |

Recommended By Lemo

Accessories

| | |
|----------------|---------------------------------|
| Compatible cap | BRA.00.200.PCSG |
|----------------|---------------------------------|

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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