



*Image for illustrative purpose only*

## Summary

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|                     |                                                 |
|---------------------|-------------------------------------------------|
| Nb of contacts Coax | 1                                               |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system      | Push-pull                                       |
| Size                | 00                                              |
| Series              | 00 - NIM-CAMAC                                  |

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

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# Technical details

## Electrical Configuration

|                                             |                              |
|---------------------------------------------|------------------------------|
| Nb of contacts Coax                         | 1                            |
| Contact Termination Coax - Conductor fixing | Solder                       |
| 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)                 |
| Bucket Dia.                                 | 0.6 mm (0.024in)             |
| Contact Dia.                                | 0.7 mm (0.028in)             |

## Form & Material

|                        |                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------|
| Shell style / Model id | HGP - Fixed receptacle, nut fixing, watertight                                          |
| Socket / Receptacle    | Fixed Panel Front Mounted                                                               |
| Housing material       | Brass (nickel plated [SAE AMS QQ N 290]) shell, collet nut, latch sleeve and mid pieces |
| Locking system         | Push-pull                                                                               |
| Keying                 | Circular, female                                                                        |
| Colour                 | Grey                                                                                    |
| Variant                | Watertight / Vacuum-tested unmated (connector to device)                                |
| Weight                 | 4.35 g                                                                                  |

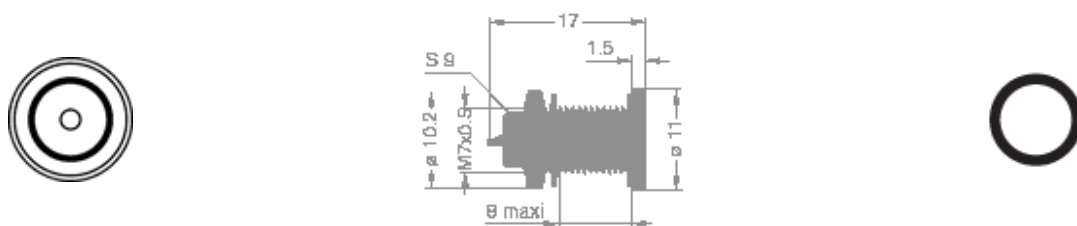
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## Environment

|                                   |                                              |
|-----------------------------------|----------------------------------------------|
| Environmental sealing (IP rating) | Hermetic unmated                             |
| Endurance                         | 5000 mating cycles                           |
| Temperature range                 | -20°C / +100°C                               |
| F ret (min)                       | 100 N                                        |
| Pressure                          | 60 bars                                      |
| R leak (He) (max)                 | 10 <sup>-7</sup> mbar·l/s (if vacuum-tested) |
| Salt Spray Corrosion              | >144 hr                                      |

## Drawings



## Dimensions

|     | <b>L</b> | <b>A</b> | <b>e</b> | <b>S3</b> | <b>B</b> |
|-----|----------|----------|----------|-----------|----------|
| mm. | 17       | 11       | M7x0.5   | 9         | 10.2     |
| in. | 0.67     | 0.43     |          | 0.35      | 0.4      |

## Recommended By Lemo

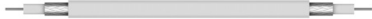
### Accessories

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

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# Cables

| Cable PartNumber    | Material  | Colour | Cable image                                                                          |
|---------------------|-----------|--------|--------------------------------------------------------------------------------------|
| 159580              | PVC       | Black  |     |
| 17420               | PVC       | Black  |    |
| 17450               | COPOLYMER | Black  |    |
| 178190              | PTFE      | Brown  |                                                                                      |
| 18000               | PTFE      | Brown  |    |
| 18700               | PTFE      | White  |    |
| 18800               | PTFE      | White  |                                                                                      |
| 196270              | PTFE      | White  |                                                                                      |
| 31600               | PTFE      | Brown  |                                                                                      |
| 62000               | PVC       | Black  |     |
| CCX.50.030.083.180B |           | white  |                                                                                      |
| CCX.50.RG0.58AU14B  | FEP       | white  |                                                                                      |
| CCX.50.RG1.74-U25N  | PVC       | Black  |                                                                                      |
| CCX.50.RG1.74AU28N  | PVC       | Black  |                                                                                      |
| CCX.50.RG1.74AU28N  | PVC       | Black  |  |
| CCX.50.RG1.74U25N   | PVC       | Black  |                                                                                      |
| CCX.50.RG1.78BU18M  | FEP       | Brown  |                                                                                      |
| CCX.50.RG1.78BU18M  | PTFE      | Brown  |                                                                                      |
| CCX.50.RG1.88AU24B  | TFE       | white  |                                                                                      |
| CCX.50.RG1.88AU26B  | PFA       | White  |                                                                                      |
| CCX.50.RG1.88AU26B  | PTFE      | White  |                                                                                      |
| CCX.50.RG1.96AU19B  | PTFE      | White  |                                                                                      |
| CCX.50.RG1.96AU20B  | PFA       | White  |                                                                                      |
| CCX.50.RG3.16BU26M  | FEP       | Brown  |                                                                                      |
| CCX.50.RG3.16U28M   | PTFE      | Brown  |                                                                                      |
| CCX.75.040.195327G  | PVC       | Grey   |                                                                                      |
| CCX.75.RG0.59BU62N  | PVC       | Black  |   |
| CCX.75.RG1.79BU26M  | FEP       | Brown  |                                                                                      |
| CCX.75.RG1.87AU26B  | PFA       | White  |                                                                                      |
| CCX.75.RG1.87AU27B  | PTFE      | White  |  |
| CCX.93.RG0.62AU62N  | PVC       | Black  |   |
| CCX.95.RG1.80BU36M  | PTFE      | Brown  |  |
| CCX.95.RG1.95AU37B  | PFA       | White  |                                                                                      |

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