

Standard



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

SE series

|                                    |                                                 |
|------------------------------------|-------------------------------------------------|
| Number of contacts Low Voltage     | 4                                               |
| Wire Size/AWG                      | 22 - 14                                         |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Jacket cable outside diameter [mm] | 2.00 - 16.60 mm                                 |
| Size                               | 3S                                              |
| Suggested matching part            | <a href="#">FFA.3S.304.CLAC10</a>               |
| Series                             | S - Indoor Stepped Insert                       |

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/hgp-3s-304-cllpv.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/hgp-3s-304-cllpv.html)

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# Technical details

## Electrical Configuration

|                                 |                           |
|---------------------------------|---------------------------|
| Number of contacts Low Voltage  | 4                         |
| Contact Termination Low voltage | Solder                    |
| Insert configuration value      | 3S.304 - 4 Low Voltage    |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5) |
| Rated current                   | 18 A                      |
| Test voltage (kV DC)            | 2.1                       |
| Bucket Dia.                     | 1.8                       |
| Contact Dia.                    | 2                         |
| Wire Size/AWG                   | 22 - 14                   |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | HGP - Fixed receptacle, nut fixing, watertight or vacuum-tight                                                                |
| 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                 | Hermaphroditic keying (half moon insert) with female pin 1                                                                    |
| Colour                 | Grey                                                                                                                          |
| Variant                | Watertight / Vacuum-tested unmated (connector to device)                                                                      |
| Weight                 | 51.16 g                                                                                                                       |

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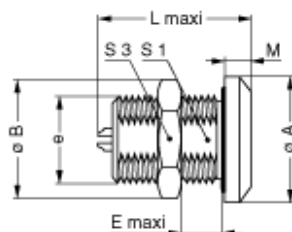
## Environment

|                                   |                                                                         |
|-----------------------------------|-------------------------------------------------------------------------|
| Technical domain                  | Audio Video, Energy and Industrial, Semiconductor, Test and Measurement |
| Environmental sealing (IP rating) | Hermetic unmated                                                        |
| Endurance                         | 5000 mating cycles                                                      |
| Temperature range                 | -20°C / +80°C                                                           |
| Climatic Category                 | 20/80/21                                                                |
| Humidity (max)                    | <=95% [at 60 deg C /140 F]                                              |
| Shielding (min)                   | 75 dB (10 MHz)                                                          |
| Shielding (min)                   | 40 dB (1 GHz)                                                           |
| Shock Resistance                  | 100 g [ 6 ms]                                                           |
| Vibration                         | 15 g [10 Hz - 2000 Hz]                                                  |
| Pressure                          | 30 bars                                                                 |
| R leak (He) (max)                 | 10 <sup>-7</sup> mbar·l/s (if vacuum-tested)                            |
| Salt Spray Corrosion              | >1000 hr                                                                |

## Cable fixation

|                                    |                 |
|------------------------------------|-----------------|
| Jacket cable outside diameter [mm] | 2.00 - 16.60 mm |
|------------------------------------|-----------------|

## Drawings



## Dimensions

|     | A   | B    | L   | M    | S1   | S3   | e       | E    |
|-----|-----|------|-----|------|------|------|---------|------|
| mm. | 28  | 27   | 33  | 6    | 18.5 | 24   | M20x1.0 | 18   |
| in. | 1.1 | 1.06 | 1.3 | 0.24 | 0.73 | 0.94 |         | 0.71 |

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# Recommended By Lemo

## Accessories

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|                |                                |
|----------------|--------------------------------|
| Compatible cap | <a href="#">BRE.3S.200.NAS</a> |
|----------------|--------------------------------|

# Cables

| Cable PartNumber   | Material      | Colour | Cable image                                                                         |
|--------------------|---------------|--------|-------------------------------------------------------------------------------------|
| CMN.04.T14.083PGZE |               | grey   |    |
| CMN.04.T14.083PNZE |               |        |    |
| CMN.04.T20.053PGZE |               | grey   |    |
| CMN.04.T20.053PNZE |               |        |    |
| CMN.04.T20.053QGZE | TPR (medical) | Grey   |    |
| CMN.04.T22.047QGC  | TPR           | Grey   |                                                                                     |
| CMN.04.T22.048QGZE | TPR (medical) | Grey   |    |
| CMN.04.T28.031PGCE | PVC           | GREY   |    |
| CMN.04.T28.031PGZE |               | grey   |    |
| CMN.04.T28.031PNCE | PVC           | Black  |    |
| CMN.04.T28.031PNZE |               |        |    |
| CMN.04.T28.031QGC  | TPR           | Grey   |                                                                                     |
| 140240             | PVC           | Black  |    |
| 140250             | PVC           | Grey   |    |
| 240500             | PVC           | Grey   |   |
| 240750             | PVC           | Grey   |  |
| 340 150            | PVC           | Grey   |  |
| 40080              | PVC           | Black  |                                                                                     |
| 40086              | PVC           | Blue   |                                                                                     |
| 40140              | PVC           | Black  |  |
| 40240              | PTFE          | White  |  |
| 40260              | PVC           | Black  |  |
| 4041               | PVC           | Grey   |  |
| 4050               | PVC           | Black  |  |
| 4080               | PVC           | Grey   |                                                                                     |
| 417920             | PVC           | Grey   |  |
| 4220               | PVC           | Black  |  |
| 4221               | PVC           | Black  |  |
| 4260               | PTFE          | White  |  |
| 4280               | PVC           | Black  |  |
| 80080              | PVC           | Grey   |                                                                                     |
| 80082              | PVC           | Red    |                                                                                     |
| 80084              | PVC           | Black  |                                                                                     |
| CTR.75.030.121870G | PVC           | Grey   |  |

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