

Standard



*Image for illustrative purpose only*

## Summary

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[SE series](#)

[Customer Drawing](#)

|                                    |                                   |
|------------------------------------|-----------------------------------|
| Number of contacts Low Voltage     | 10                                |
| Wire Size/AWG                      | 30 - 22                           |
| Socket / Receptacle                | Socket / Receptacle - Free        |
| Locking system                     | Push-pull                         |
| Jacket cable outside diameter [mm] | 5.30 - 6.20 mm                    |
| Size                               | 2S                                |
| Suggested matching part            | <a href="#">FFA.2S.310.CLAC62</a> |
| Series                             | S - Indoor Stepped Insert         |

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/pca-2s-310-cllc62.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/pca-2s-310-cllc62.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 10                            |
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 4.8 mOhm                      |
| Insert configuration value      | 2S.310 - 10 Low Voltage       |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 7 A                           |
| Test voltage (kV DC)            | 1.2                           |
| Max. Solid Conductor            | 0.34 mm <sup>2</sup> (AWG 22) |
| Bucket Dia.                     | 0.8 mm (0.031in)              |
| Contact Dia.                    | 0.9 mm (0.0354in)             |
| Wire Size/AWG                   | 30 - 22                       |

## Form & Material

|                        |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | PCA - Free receptacle, 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                 | Hermaphroditic keying (half moon insert) with female pin 1                                                                    |
| Colour                 | Grey                                                                                                                          |
| Weight                 | 35.64 g                                                                                                                       |

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## Environment

|                                   |                                                                         |
|-----------------------------------|-------------------------------------------------------------------------|
| Technical domain                  | Audio Video, Energy and Industrial, Semiconductor, Test and Measurement |
| Environmental sealing (IP rating) | IP50                                                                    |
| Endurance                         | 5000 mating cycles                                                      |
| Temperature range                 | -55°C / +250°C (max. temperature valid for short periods of use.)       |
| Climatic Category                 | 55/175/21                                                               |
| 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]                                                  |
| 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] | 5.30 - 6.20 mm                               |

# Recommended By Lemo

## Caps

|                |                                 |
|----------------|---------------------------------|
| Compatible cap | <a href="#">BRF.2S.200.NAS</a>  |
| Cap 2          | <a href="#">BRF.2S.200.NAV</a>  |
| Plastic Cap    | <a href="#">BRD.2B.200.PCSG</a> |
| Soft Cap       | <a href="#">BPZ.2B.200.SCN</a>  |

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# Cables

| Cable PartNumber   | Material      | Colour | Cable image                                                                         |
|--------------------|---------------|--------|-------------------------------------------------------------------------------------|
| CMN.10.T28.053QGZE | TPR (medical) | Grey   |  |
| 110240             | PTFE          | White  |  |
| 110280             | PVC           | Black  |  |
| 210140             | PVC           | Grey   |  |

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