

Standard



*Image for illustrative purpose only*

## Summary

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SE series

|                                    |                                |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage     | 2                              |
| Wire Size/AWG                      | 28 - 20                        |
| Socket / Receptacle                | Socket / Receptacle - Free     |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 4.20 - 5.20 mm                 |
| Size                               | 1S                             |
| Suggested matching part            | <a href="#">FAA.1S.302.CLA</a> |
| Series                             | S - Indoor Stepped Insert      |

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/pca-1s-302-cllc52.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/pca-1s-302-cllc52.html)

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# Technical details

## Electrical Configuration

|                                    |                              |
|------------------------------------|------------------------------|
| Number of contacts Low Voltage     | 2                            |
| Contact Termination Low voltage    | Solder                       |
| R (max)                            | 3.6 mOhm                     |
| Insert configuration value         | 1S.302 - 2 Low Voltage       |
| Footprint IPC Class3 compatibility | No                           |
| Insulator                          | L: PEEK (UL 94 / V-0/1.5)    |
| Rated current                      | 15 A                         |
| Test voltage (kV DC)               | 1.8                          |
| Max. Solid Conductor               | 0.5 mm <sup>2</sup> (AWG 20) |
| Max. Stranded Conductor            | 0.5 mm <sup>2</sup> (AWG 20) |
| Bucket Dia.                        | 1 mm (0.039in)               |
| Contact Dia.                       | 1.3 mm (0.051in)             |
| Wire Size/AWG                      | 28 - 20                      |

## 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                 | 19.68 g   |

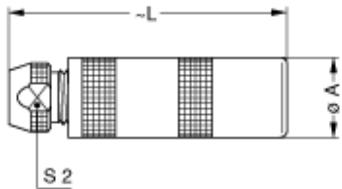
## Environment

|                                   |   |
|-----------------------------------|---|
| 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] | 4.20 - 5.20 mm                               |

## Drawings



## Dimensions

|     | <b>A</b> | <b>L</b> | <b>S2</b> | <b>C</b> |
|-----|----------|----------|-----------|----------|
| mm. | 11.9     | 40.5     | 8.5       | 6.2      |
| in. | 0.47     | 1.59     | 0.33      | 0.24     |

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# Recommended By Lemo

## Accessories

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|                |                |
|----------------|----------------|
| Compatible cap | BRF.1S.200.NAS |
|----------------|----------------|

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## Cables

| Cable PartNumber   | Material      | Colour | Cable image   |
|--------------------|---------------|--------|---|
| CMN.02.T20.047PGZE |               | grey   |    |
| CMN.02.T20.047PNZE |               |        |    |
| CMN.02.T20.048QGZE | TPR (medical) | Grey   |    |
| 120240             | PVC           | Black  |    |
| 120250             | PVC           | Grey   |    |
| 120501             | PVC           | Grey   |  |
| 20260              | PVC           | Black  |  |
| 2221               | PVC           | Black  |  |
| 4082               | PVC           | Grey   |   |

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