

Standard

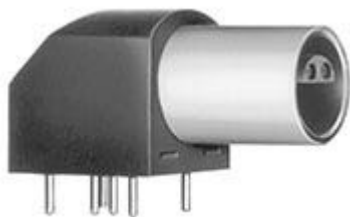


Image for illustrative purpose only

## Summary

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SE series

|                                |                                   |
|--------------------------------|-----------------------------------|
| Number of contacts Low Voltage | 2                                 |
| Socket / Receptacle            | Socket / Receptacle - Elbow       |
| Locking system                 | Push-pull                         |
| Size                           | 0S                                |
| Suggested matching part        | <a href="#">FFA.0S.302.CLAC22</a> |
| Series                         | S - Indoor Stepped Insert         |

# Technical details

## Electrical Configuration

|                                           |                                              |
|-------------------------------------------|----------------------------------------------|
| Number of contacts Low Voltage            | 2                                            |
| Contact Termination Low voltage           | PCB - Straight                               |
| R (max)                                   | 4.8 mOhm                                     |
| Insert configuration value                | 0S.302 - 2 Low Voltage                       |
| Footprint IPC Class3 compatibility        | Yes                                          |
| Class3 Productibility Level Compatibility | A (General Design Producibility - Preferred) |
| Insulator                                 | L: PEEK (UL 94 / V-0/1.5)                    |
| Test voltage (kV DC)                      | 1.6                                          |
| Contact Dia.                              | 0.9 mm (0.0354in)                            |

## Form & Material

|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| Shell style / Model id | EPL - Elbow receptacle for printed circuit (solder or screw fixing)            |
| Socket / Receptacle    | Elbow                                                                          |
| Housing material       | PPS (Polyphenylene) shell, other pieces nickel plated [SAE AMS QQ N 290] brass |
| Locking system         | Push-pull                                                                      |
| Keying                 | Hermaphroditic keying (half moon insert) with female pin 1                     |
| Weight                 | 9.42 g                                                                         |

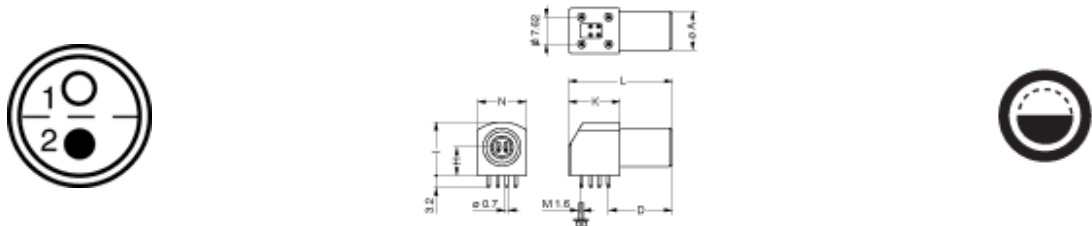
## Environment

|                                   |                                                                         |
|-----------------------------------|-------------------------------------------------------------------------|
| Technical domain                  | Audio Video, Energy and Industrial, Semiconductor, Test and Measurement |
| Environmental sealing (IP rating) | IP50                                                                    |
| Endurance                         | 5000 mating cycles                                                      |
| Temperature range                 | -55°C / +220°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              | >144 hr                                                                 |

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/epl-0s-302-hln.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/epl-0s-302-hln.html)

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# Drawings



## Dimensions

|     | A    | D    | H    | I    | K    | L    | N    |
|-----|------|------|------|------|------|------|------|
| mm. | 9    | 14.5 | 6.9  | 12.7 | 13.2 | 25   | 11.6 |
| in. | 0.35 | 0.57 | 0.27 | 0.5  | 0.52 | 0.98 | 0.46 |

# Recommended By Lemo

### Caps

|                |                                 |
|----------------|---------------------------------|
| Compatible cap | <a href="#">BRE.0S.200.NAS</a>  |
| Cap 2          | <a href="#">BRE.0S.200.NAV</a>  |
| Plastic Cap    | <a href="#">BRA.0B.200.PCSG</a> |

# CAD

### Documents

|           |                          |
|-----------|--------------------------|
| PCB Eagle | <a href="#">Download</a> |
|-----------|--------------------------|