

Special



*Image for illustrative purpose only*

## Summary

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|                             |  |
|-----------------------------|--|
| Nb of contacts Thermocouple | 4  |
| Socket / Receptacle         | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system              | Push-pull                                      |
| Size                        | 0E   |
| Series                      | E - Outdoor Stepped Insert                     |

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/eep-0e-902-cyk.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/eep-0e-902-cyk.html)

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# Technical details

## Electrical Configuration

|                                  |                                   |
|----------------------------------|-----------------------------------|
| Nb of contacts Thermocouple      | 4                                 |
| Contact Termination Thermocouple | Crimp                             |
| Insert configuration value       | 0E.902/ThC - 2 Thermocouple Pairs |
| Insulator                        | Y: PEEK for crimp contacts        |
| Rated current                    | 7 A                               |

## Form & Material

|                        |  |
|------------------------|--|
| Shell style / Model id | EFP - Fixed receptacle, nut fixing (back panel mounting)   |
| Socket / Receptacle    | Fixed Panel Rear Mounted   |
| Housing material       | Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces |
| Locking system         | Push-pull  |
| Keying                 | Hermaphroditic keying (half moon insert) with female pin 1   |
| Colour                 | Grey   |
| Weight                 | 14.89 g  |

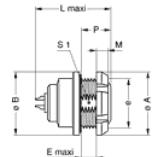
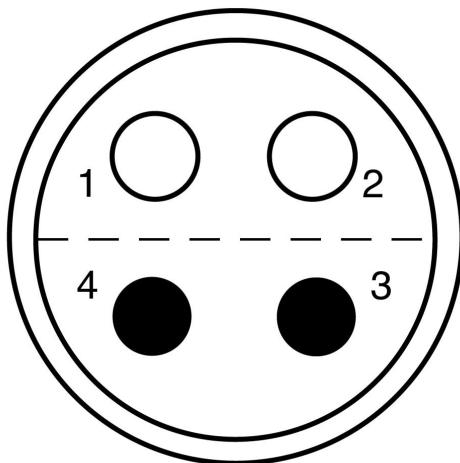
## Environment

|                                   |   |
|-----------------------------------|---|
| Technical domain                  | Energy and Industrial, Test and Measurement                       |
| Environmental sealing (IP rating) | IP68  |
| Endurance                         | 5000 mating cycles  |
| Temperature range                 | -55°C / +200°C (max. temperature valid for short periods of use.) |
| Climatic Category                 | 50/175/21   |
| Humidity (max)                    | <=95% [at 60 deg C /140 F]  |
| Shielding (min)                   | 95 dB (10 MHz)  |
| Shielding (min)                   | 80 dB (1 GHz)   |
| Shock Resistance                  | 100 g [ 6 ms]   |
| Vibration                         | 15 g [10 Hz - 2000 Hz]  |
| Salt Spray Corrosion              | >1000 hr  |

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# Drawings



Contact 1, 3: Chromel (+)  
Contact 2, 4: Alumel (-)

## Dimensions

| S1  | A    | P    | M    | L    | E    | e    | B       |
|-----|------|------|------|------|------|------|---------|
| mm. | 12.5 | 18   | 7    | 3.5  | 19.5 | 3.5  | M14x1.0 |
| in. | 0.49 | 0.71 | 0.28 | 0.14 | 0.77 | 0.14 | 0.71    |

## Recommended By Lemo

### Accessories

Replacement contact [EGG.0B.655.ZZK](#)

Compatible cap [BRE.0K.200.NAS](#)

### Tools

Spanner 2 [DCM.65.159.AZ4](#)

Spanner wrench [Socket for torque wrench DCM.0E.M14.4](#)