



## Summary

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|                                    |                                |
|------------------------------------|--------------------------------|
| Thermocouple                       | 6                              |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 5.60 - 6.00 mm                 |
| Size                               | 2E                             |
| Matching parts                     | <a href="#">ERA.2E.903.CLK</a> |
| Series                             | E - Outdoor Stepped Insert     |

## Technical details

### Electrical Configuration

|                                  |                               |
|----------------------------------|-------------------------------|
| Thermocouple                     | 6                             |
| Contact Termination Thermocouple | Solder                        |
| Insert configuration value       | 2E.903 - 3 Thermocouple Pairs |
| Insulator                        | L: PEEK (UL 94 / V-0/1.5)     |

### Form & Material

|                        |  |
|------------------------|--|
| Shell style / Model id | FFA - Straight plug, cable collet  |
| Plug                   | Straight   |
| 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                 | 3 keys (alpha=42, gamma=30, plug: male contacts, receptacle: female contacts)  |
| Weight                 | 41.9 g   |

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-2e-903-clkc60.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-2e-903-clkc60.html)

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## Environment

|                                   |   |
|-----------------------------------|---|
| Technical domain                  | Energy and Industrial, Test and Measurement |
| Environmental sealing (IP rating) | IP68  |
| Endurance                         | 5000 mating cycles                          |
| Temperature range                 | -55°C / +200°C                              |
| Climatical 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                                    |

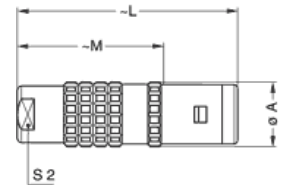
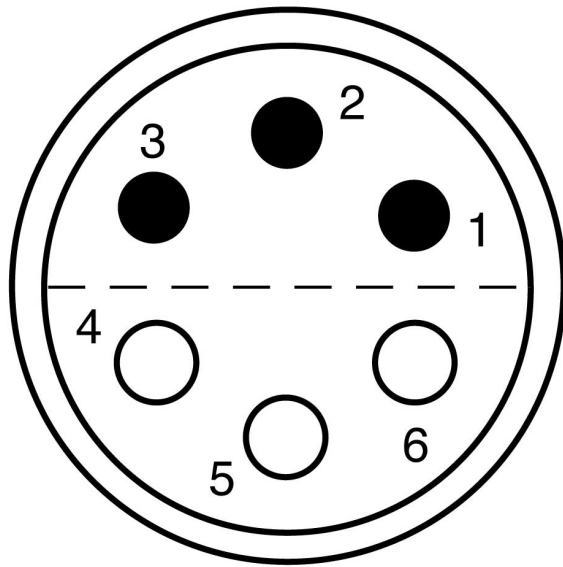
## Cable fixation

|                                    |  |
|------------------------------------|--|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 5.60 - 6.00 mm                               |

## Drawings

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-2e-903-clkc60.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-2e-903-clkc60.html)

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Contact 1, 3, 5: Chromel (+)  
 Contact 2, 4, 6: Alumel (-)

### Dimensions

|     | <b>L</b> | <b>M</b> | <b>A</b> | <b>S2</b> |
|-----|----------|----------|----------|-----------|
| mm. | 52       | 36       | 16       | 12        |
| in. | 2.05     | 1.42     | 0.63     | 0.47      |

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