



## Summary

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|                                    |                                |
|------------------------------------|--------------------------------|
| Thermocouple                       | 4                              |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 4.10 - 4.50 mm                 |
| Size                               | 0E                             |
| Matching parts                     | <a href="#">ERA.0E.902.CYK</a> |
| Series                             | E - Outdoor Stepped Insert     |

## Technical details

### Electrical Configuration

|              |                            |
|--------------|----------------------------|
| Thermocouple | 4                          |
| Insulator    | Y: PEEK for crimp contacts |

### Form & Material

|                        |  |
|------------------------|--|
| Shell style / Model id | FFA - Straight plug, cable collet and nut for fitting a bend relief  |
| 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)  |
| Variant                | Nut for fitting a bend relief  |
| Weight                 | 15.2 g   |

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-0e-902-cykc45z.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-0e-902-cykc45z.html)

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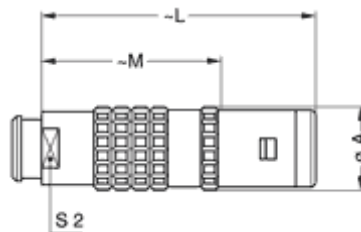
## Environment

|                                      |   |
|--------------------------------------|---|
| Technical domain                     | Energy and Industrial, Test and Measurement |
| Environmental protection (IP rating) | IP68  |
| Minimal temperature                  | -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       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 4.10 - 4.50 mm        |

## Drawings



## Dimensions

|     | <b>A</b> | <b>S2</b> | <b>M</b> | <b>L</b> |
|-----|----------|-----------|----------|----------|
| mm. | 11       | 7         | 23       | 34       |
| in. | 0.43     | 0.28      | 0.91     | 1.34     |

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