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## Summary

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|                                    |                                |
|------------------------------------|--------------------------------|
| Number of contacts High Voltage    | 1                              |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 4.60 - 5.00 mm                 |
| Size                               | 1E                             |
| Suggested matching part            | <a href="#">ERA.1E.405.CTL</a> |
| Series                             | E - Outdoor Stepped Insert     |

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-405-ctac50z.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-405-ctac50z.html)

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# Technical details

## Electrical Configuration

|                                  |                         |
|----------------------------------|-------------------------|
| Number of contacts High Voltage  | 1                       |
| Contact Termination High voltage | Solder                  |
| Insert configuration value       | 1E.405 - 1 High Voltage |
| Insulator                        | T: PTFE                 |
| Rated current                    | 8 A                     |
| Test voltage (kV DC)             | 10.5                    |
| Creepage distance                | 10.5 mm                 |

## 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                 | Circular, male   |
| Colour                 | Grey   |
| Variant                | Nut for fitting a bend relief  |
| Weight                 | 23.85 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                              |
| 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                                    |

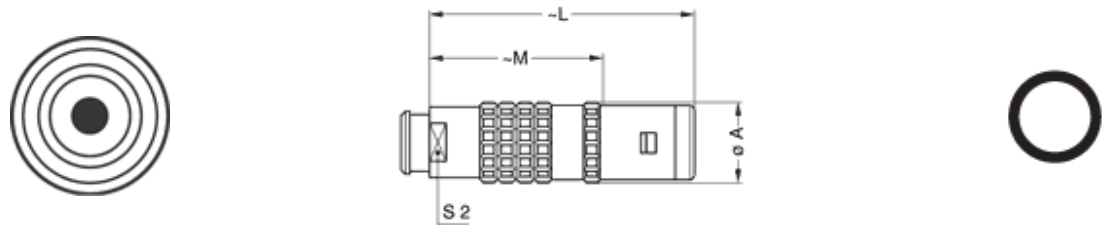
[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-405-ctac50z.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-405-ctac50z.html)

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Cable fixation

|                                    |                       |
|------------------------------------|-----------------------|
| Cable termination protection       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 4.60 - 5.00 mm        |

Drawings



Dimensions

|     | L    | M   | S2   | A    |
|-----|------|-----|------|------|
| mm. | 42   | 28  | 9    | 13   |
| in. | 1.65 | 1.1 | 0.35 | 0.51 |

Recommended By Lemo

Accessories

|                |                                |
|----------------|--------------------------------|
| Compatible cap | <a href="#">BFA.1E.100.NAS</a> |
|----------------|--------------------------------|