



*Image for illustrative purpose only*

## Summary

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[high voltage connector Y S E 05 LEMO](#)

[Customer Drawing](#)

|                                    |                                |
|------------------------------------|--------------------------------|
| Number of contacts High Voltage    | 1                              |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 2.60 - 3.00 mm                 |
| Size                               | 0E                             |
| Suggested matching part            | <a href="#">ERA.0E.403.CTL</a> |
| Series                             | E - Outdoor Stepped Insert     |

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-0e-403-ctac30z.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-0e-403-ctac30z.html)

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# Technical details

## Electrical Configuration

|                                  |                         |
|----------------------------------|-------------------------|
| Number of contacts High Voltage  | 1                       |
| Contact Termination High voltage | Solder                  |
| Insert configuration value       | 0E.403 - 1 High Voltage |
| Insulator                        | T: PTFE                 |
| Rated current                    | 4 A                     |
| Test voltage (kV DC)             | 6                       |
| Creepage distance                | 7 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                 | 12.69 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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## Cable fixation

|                                    |                       |
|------------------------------------|-----------------------|
| Cable termination protection       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 2.60 - 3.00 mm        |

# Recommended By Lemo

## Accessories

|                |                                |
|----------------|--------------------------------|
| Compatible cap | <a href="#">BFA.0E.100.NAS</a> |
|----------------|--------------------------------|

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