



*Image for illustrative purpose only*

## Summary

[Request a quote](#)

[Catalog](#)

|                                    |   |
|------------------------------------|---|
| Number of contacts High Voltage    | 1   |
| Wire Size/AWG                      | 30 - 22   |
| Socket / Receptacle                | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system                     | Push-pull                                       |
| Jacket cable outside diameter [mm] | 1.00 - 8.30 mm                                  |
| Size                               | 0S  |
| Suggested matching part            | <a href="#">FFA.0S.403.CLAK52</a>               |
| Series                             | S - Indoor Stepped Insert                       |

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/era-0s-403-ctl.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/era-0s-403-ctl.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Technical details

## Electrical Configuration

|                                  |                         |
|----------------------------------|-------------------------|
| Contact Termination High voltage | Solder                  |
| Insert configuration value       | 0S.403 - 1 High Voltage |
| Insulator                        | T: PTFE                 |
| Rated current                    | 4 A                     |
| Test voltage (kV DC)             | 6                       |
| Contact Type                     | Solder                  |
| Air clearance                    | 6.8 mm                  |
| Creepage distance                | 7 mm                    |
| Contact Dia.                     | 0.9                     |
| Number of contacts High Voltage  | 1                       |
| Wire Size/AWG                    | 30 - 22                 |

## Form & Material

|                        |   |
|------------------------|---|
| Shell style / Model id | ERA - Fixed receptacle, nut fixing  |
| Socket / Receptacle    | Fixed Panel Front Mounted   |
| Housing material       | Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Locking system         | Push-pull   |
| Keying                 | Circular, female  |
| Colour                 | Grey  |
| Weight                 | 4.4 g   |

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/era-0s-403-ctl.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/era-0s-403-ctl.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

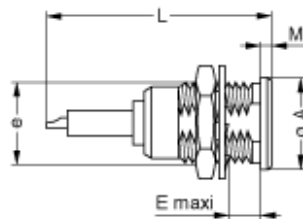
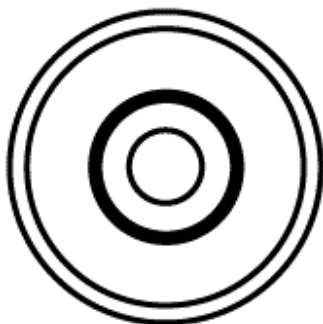
## Environment

|                                   |   |
|-----------------------------------|---|
| Technical domain                  | Audio Video, Energy and Industrial, Semiconductor, Test and Measurement |
| Environmental sealing (IP rating) | IP50  |
| Endurance                         | 5000 mating cycles  |
| Temperature range                 | -55°C / +250°C  |
| Climatical Category               | 50/175/21   |
| Humidity (max)                    | <=95% [at 60 deg C /140 F]  |
| Shielding (min)                   | 75 dB (10 MHz)  |
| Shielding (min)                   | 40 dB (1 GHz)   |
| Shock Resistance                  | 100 g [ 6 ms]   |
| Vibration                         | 15 g [10 Hz - 2000 Hz]  |
| Salt Spray Corrosion              | >1000 hr  |

## Cable fixation

|                                    |                |
|------------------------------------|----------------|
| Jacket cable outside diameter [mm] | 1.00 - 8.30 mm |
|------------------------------------|----------------|

## Drawings



## Dimensions

|     | <b>A</b> | <b>e</b> | <b>E</b> | <b>L</b> | <b>M</b> |
|-----|----------|----------|----------|----------|----------|
| mm. | 10       | M9x0.6   | 7        | 25       | 1.2      |
| in. | 0.39     |          | 0.28     | 0.98     | 0.05     |

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/era-0s-403-ctl.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/era-0s-403-ctl.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

# Recommended By Lemo

## Accessories

---

Compatible cap

[BRE.OS.200.NAS](#)

[https://www.lemo.com/int\\_en/solutions/originals/s-indoor-stepped-insert/era-0s-403-ctl.html](https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/era-0s-403-ctl.html)

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.