

**Special***Image for illustrative purpose only*

## Summary

[Request a quote](#)[Catalog](#)[Customer Drawing](#)

|                                    |                            |
|------------------------------------|----------------------------|
| Number of contacts Low Voltage     | 2                          |
| Number of contacts High Voltage    | 1                          |
| Plug                               | Plug - Straight            |
| Locking system                     | Push-pull                  |
| Jacket cable outside diameter [mm] | 6.60 - 7.00 mm             |
| Size                               | 2E                         |
| Series                             | E - Outdoor Stepped Insert |

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffb-2e-702-cjac70.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffb-2e-702-cjac70.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

|                                       |                             |
|---------------------------------------|-----------------------------|
| Number of contacts Low Voltage        | 2                           |
| Contact Termination Low voltage       | Solder                      |
| Number of contacts High Voltage       | 1                           |
| Contact Termination High voltage      | Solder                      |
| Insert configuration value            | 2E.702 - 1 High V. 2 Low V. |
| Insulator                             | J: PEEK/PEEK                |
| Rated current                         | 15 A                        |
| Test voltage HV contact - Ue (kV rms) | 6.3                         |
| Air clearance                         | 10 mm                       |
| Creepage distance                     | 10 mm                       |

## Form & Material

|                        |                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | FFB - Straight plug, cable collet and safety locking ring 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                 | Hermaphroditic keying (half moon insert) with male pin 1                                                                   |
| Colour                 | Grey                                                                                                                       |
| Weight                 | 43.55 g                                                                                                                    |

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffb-2e-702-cjac70.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffb-2e-702-cjac70.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                  | 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                                                          |

## Cable fixation

|                                    |                                              |
|------------------------------------|----------------------------------------------|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 6.60 - 7.00 mm                               |

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffb-2e-702-cjac70.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffb-2e-702-cjac70.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.