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## Summary

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|                                    |                                |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage     | 2                              |
| Wire Size/AWG                      | 24 - 16                        |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 4.10 - 4.50 mm                 |
| Size                               | 2E                             |
| Suggested matching part            | <a href="#">ERA.2E.302.CLL</a> |
| Series                             | E - Outdoor Stepped Insert     |

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-2e-302-clac45z.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-2e-302-clac45z.html)

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# Technical details

## Electrical Configuration

|                                 |                            |
|---------------------------------|----------------------------|
| Contact Termination Low voltage | Solder                     |
| R (max)                         | 3.5 mOhm                   |
| Insert configuration value      | 2E.302 - 2 Low Voltage     |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)  |
| Rated current                   | 20 A                       |
| Vtest                           | 1700 V (AC), 2400 V (DC)   |
| Contact Type                    | Solder                     |
| Max. Solid Conductor            | 1 mm <sup>2</sup> (AWG 16) |
| Max. Stranded Conductor         | 1 mm <sup>2</sup> (AWG 18) |
| Bucket Dia.                     | 1.4 mm (0.055in)           |
| Contact Dia.                    | 1.6 mm (0.063in)           |
| Number of contacts Low Voltage  | 2                          |
| Wire Size/AWG                   | 24 - 16                    |

## 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                 | Hermaphroditic keying (half moon insert) with male pin 1                                                                   |
| Colour                 | Grey                                                                                                                       |
| Variant                | Nut for fitting a bend relief                                                                                              |
| Weight                 | 41.97 g                                                                                                                    |

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## 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                                    |

## Cable fixation



|                                    |                       |
|------------------------------------|-----------------------|
| Cable termination protection       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 4.10 - 4.50 mm        |

# Recommended By Lemo

## Accessories

|                |                                |
|----------------|--------------------------------|
| Compatible cap | <a href="#">BFA.2E.100.NAS</a> |
|----------------|--------------------------------|

# Cables

| Cable PartNumber | Material | Colour | Cable image                                                                           |
|------------------|----------|--------|---------------------------------------------------------------------------------------|
| 120250           | PVC      | Grey   |  |
| 20260            | PVC      | Black  |  |

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