

Standard

*Image for illustrative purpose only*

## Summary

[Request a quote](#)[SE series](#)[Customer Drawing](#)

|                                    |  |
|------------------------------------|--|
| Number of contacts Low Voltage     | 1  |
| Plug                               | Plug - Straight  |
| Locking system                     | Push-pull  |
| Jacket cable outside diameter [mm] | 2.10 - 2.50 mm   |
| Size                               | 1E   |
| Suggested matching part            | <a href="#">ERA.1E.120.CTL</a><br><a href="#">EVA.1E.120.CTL</a> |
| Series                             | E - Outdoor Stepped Insert                                       |

# Technical details

## Electrical Configuration

|                                    |                        |
|------------------------------------|------------------------|
| Number of contacts Low Voltage     | 1                      |
| Contact Termination Low voltage    | Solder                 |
| Insert configuration value         | 1E.120 - 1 Low Voltage |
| Footprint IPC Class3 compatibility | No                     |
| Insulator                          | T: PTFE                |
| Rated current                      | 18 A                   |
| Test voltage (kV DC)               | 2.7                    |

## 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                 | 24.09 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  |

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-120-ctac25z.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-120-ctac25z.html)

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## Cable fixation

|                                    |                       |
|------------------------------------|-----------------------|
| Cable termination protection       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 2.10 - 2.50 mm        |

# Recommended By Lemo

## Accessories

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

# CAD

## Documents

|       |                          |
|-------|--------------------------|
| Eplan | <a href="#">Download</a> |
|-------|--------------------------|

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-120-ctac25z.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-1e-120-ctac25z.html)

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