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## Summary

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|                                    |                                |
|------------------------------------|--------------------------------|
| Nb of contacts Coax                | 1                              |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 10.60 - 12.00 mm               |
| Size                               | 3E                             |
| Suggested matching part            | <a href="#">ERA.3E.275.CTL</a> |
| Series                             | E - Outdoor Stepped Insert     |

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/ffa-3e-275-clak11e.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-3e-275-clak11e.html)

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# Technical details

## Electrical Configuration

|                            |  |
|----------------------------|--|
| Nb of contacts Coax        | 1  |
| Contact Termination Coax   | Solder   |
| Insert configuration value | 3E.275 - 1 Coax (75 Ohm)                             |
| Insulator                  | L: PEEK (UL 94 / V-0/1.5)                            |
| Rated current              | 15 A   |
| Impedance                  | 75 Ohm   |
| OHM                        | 75   |
| VSWR                       | 1.04 + 0.05 * f/GHz                                  |
| Vtest                      | 2700 V (AC), 3900 V (DC)                             |
| Contact Type               | Solder   |
| Cable type                 | RG 213/U, RG 115 A/U, RG 11 A/U, RG 144/U, RG 165 /U |

## Form & Material

|                        |  |
|------------------------|--|
| Shell style / Model id | FFA - Straight plug with oversize cable collet   |
| 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                | Gasket and O-ring in EPDM  |
| Weight                 | 114.93 g   |

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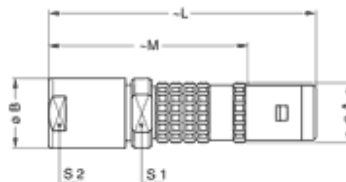
## Environment

|                                   |   |
|-----------------------------------|---|
| 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       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 10.60 - 12.00 mm                             |

## Drawings



## Dimensions

|     | A    | B    | M    | S1   | S2   | L    |
|-----|------|------|------|------|------|------|
| mm. | 19   | 22   | 60   | 19   | 19   | 80   |
| in. | 0.75 | 0.87 | 2.36 | 0.75 | 0.75 | 3.15 |

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# Recommended By Lemo

## Accessories

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Compatible cap

[BFA.3E.100.NAS](#)

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