



## Summary

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|                                    |                            |
|------------------------------------|----------------------------|
| Number of contacts Low Voltage     | 26                         |
| Plug                               | Plug - Straight            |
| Locking system                     | Push-pull                  |
| Jacket cable outside diameter [mm] | 20.60 - 21.50 mm           |
| Size                               | 6E                         |
| Series                             | E - Outdoor Stepped Insert |

[https://www.lemo.com/int\\_en/solutions/originals/e-outdoor-stepped-insert/fgg-6e-856-clac215.html](https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/fgg-6e-856-clac215.html)

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# Technical details

## Electrical Configuration

|                                 |                                 |
|---------------------------------|---------------------------------|
| Contact Termination Low voltage | Solder                          |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)       |
| Cable type                      | RG 59 B/U, RG 302 /U, RG 400 /U |
| Number of contacts Low Voltage  | 26                              |

## Form & Material

|                        |  |
|------------------------|--|
| Shell style / Model id | FG - Straight plug, 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                 | Hermaphroditic keying (half moon insert) with male pin 1   |
| Colour                 | Grey   |
| Weight                 | 829.45 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                              |
| 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                                    |

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## Cable fixation

|                                    |  |
|------------------------------------|--|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 20.60 - 21.50 mm                             |

## Drawings



## Dimensions

|     | <b>A</b> | <b>L</b> | <b>S2</b> | <b>M</b> |
|-----|----------|----------|-----------|----------|
| mm. | 47       | 118      | 38        | 89       |
| in. | 1.85     | 4.65     | 1.5       | 3.5      |

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