

Standard



*Image for illustrative purpose only*

## Summary

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[f series](#)

[Application leaflet Security Defence](#)

|        |                      |
|--------|----------------------|
| Size   | 1F                   |
| Series | F - Rugged Push-Pull |

[https://www.lemo.com/int\\_en/solutions/optima/f-rugged-push-pull/bfg-1f-100-xaz.html](https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/bfg-1f-100-xaz.html)

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# Technical details

## Form & Material

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Shell style / Model id | BFG - Cap for plug (G key)                                                                              |
| Housing material       | Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass |
| Keying                 | 3 keys (alpha=42, gamma=30, plug: male contacts, receptacle: female contacts)                           |
| Colour                 | Grey                                                                                                    |
| Weight                 | 3.55 g                                                                                                  |

## Environment

|                                   |                                  |
|-----------------------------------|----------------------------------|
| Technical domain                  | Motorsport, Security and Defence |
| Environmental sealing (IP rating) | IP67                             |
| Temperature range                 | -15°C / +135°C                   |
| Climatic Category                 | 15/200/21 (Aluminium shell)      |
| Humidity (max)                    | <=95% [at 60 deg C /140 F]       |
| Shock Resistance                  | 100 g [ 6 ms]                    |
| Vibration                         | 15 g [10 Hz - 2000 Hz]           |
| Salt Spray Corrosion              | max. 48 hr                       |

## Dimensions

|     | <b>A</b> | <b>L</b> | <b>M</b> | <b>N</b> |
|-----|----------|----------|----------|----------|
| mm. | 14       | 6        | 18       | 85       |
| in. | 0.55     | 0.24     | 0.71     | 3.35     |

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