



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|----------------------|
| Nb of contacts Thermocouple | 2 |
| Wire Size/AWG | 30 - 22 |
| Gender | Standard |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 3.80 - 9.00 mm |
| Size | 0F |
| Series | F - Rugged Push-Pull |

https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/fgp-0f-302-xlks.html

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Technical details

Electrical Configuration

| | |
|----------------------------------|---------------------------|
| Nb of contacts Thermocouple | 2 |
| Contact Termination Thermocouple | Solder |
| Insert configuration value | 0F.302 - 2 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 10 A |
| ThC. Materials (P+/N-) | Chromel / Alumel |
| Contact Dia. | 0.9 |
| Wire Size/AWG | 30 - 22 |
| Gender | Standard |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | FG - Straight plug |
| Plug | Straight |
| Housing material | Aluminium (nickel plated [SAE AMS QQ N 290], anthracite color) shell and nut, other pieces bronze/brass |
| Locking system | Push-pull |
| Keying | 3 keys (beta=150, gamma=60, plug: male contacts, receptacle: female contacts) |
| Colour | Grey |
| Weight | 7.62 g |

Environment

| | |
|-----------------------------------|---|
| Technical domain | Motorsport, Security and Defence |
| Environmental sealing (IP rating) | IP67 |
| Endurance | 1000 mating cycles |
| Temperature range | -55°C / +200°C (max. temperature valid for short periods of use.) |
| Climatic Category | 15/200/21 (Aluminium shell) |
| Humidity (max) | <=95% [at 60 deg C /140 F] |
| Operating temperature | -55°C/ +200°C |
| Shock Resistance | 100 g [6 ms] |
| Vibration | 15 g [10 Hz - 2000 Hz] |
| Salt Spray Corrosion | max. 48 hr |

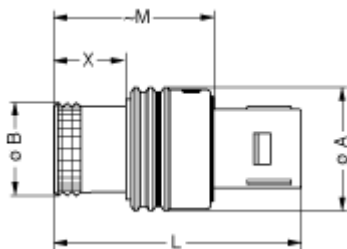
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Cable fixation

| | |
|------------------------------------|----------------|
| Cable termination protection | Heatshrink |
| Fixation type | Heatshrink |
| Jacket cable outside diameter [mm] | 3.80 - 9.00 mm |

Drawings



Dimensions

| | M | A | B | L | X |
|-----|------|------|------|------|------|
| mm. | 17.8 | 12 | 9 | 27.5 | 8 |
| in. | 0.7 | 0.47 | 0.35 | 1.08 | 0.31 |

Recommended By Lemo

Accessories

| | |
|----------------|--------------------------------|
| Compatible cap | BFG.0F.100.XAZ |
|----------------|--------------------------------|

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