



Summary

[Request a quote](#)

[See video assembly instructions](#)

| | |
|------------------------------------|--------------------------------|
| Low Voltage | 4 |
| Wire Size/AWG | 26 - 22 |
| Gender | Standard |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 3.80 - 9.00 mm |
| Matching parts | EGN.0F.304.XLM |
| Series | F - Rugged Push-Pull |

Technical details

https://www.lemo.com/int_en/solutions/optima/f-rugged-push-pull/fgn-0f-304-xlc.html

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Electrical Configuration

| | |
|----------------------------|-------------------------------|
| Termination Low voltage | Crimp |
| R (max) | 6.1 mOhm |
| Insert configuration value | 0F.304 - 4 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 7 Amps |
| Vtest (contact-contact) | 1350 V (AC), 1910 V (DC) |
| Vtest (contact-shell) | 1100 V (AC), 1560 V (DC) |
| Contact retention | 22 N |
| Contact Type | Crimp |
| Max. Conductor | 0.34 mm ² (AWG 22) |
| Min. Conductor | 0.14 mm ² (AWG 26) |
| Bucket Dia. | 0.8 mm (0.031in) |
| Contact Dia. | 0.7 mm (0.028in) |
| Low Voltage | 4 |
| Wire Size/AWG | 26 - 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=165, gamma=30, plug: male contacts, receptacle: female contacts) |
| Weight | 6.6 g |

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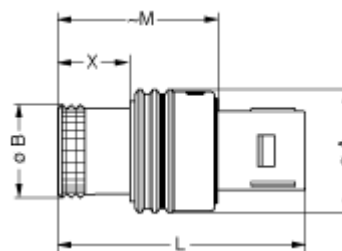
Environment

| | |
|--------------------------|----------------------------------|
| Technical domain | Motorsport, Security and Defence |
| Environmental protection | IP67 |
| Temp (min / max) | -15°C / +200°C |
| Climatical 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 |

Cable fixation

| | |
|------------------------------------|----------------|
| Cable termination protection | Heatshrink |
| Fixation type | Cable collet |
| 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

| | |
|---------------------|--------------------------------|
| Replacement contact | FGG.0B.555.ZZC |
|---------------------|--------------------------------|











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Tools

| | |
|-----------------|----------------|
| Positionner | DCE.91.070.BVC |
| Extraction tool | DCF.93.070.4LT |
| Crimp tool | DPC.91.701.V |

Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|---------------|--------|---|
| CMN.04.T22.047QGC | TPR | Grey | |
| CMN.04.T22.048QGZE | TPR (medical) | Grey |  |
| 140240 | PVC | Black |  |
| 140250 | PVC | Grey |  |
| 40140 | PVC | Black |  |
| 40260 | PVC | Black |  |
| 4080 | PVC | Grey | |
| 417920 | PVC | Grey |  |
| 4220 | PVC | Black |  |
| 4221 | PVC | Black |  |
| 4280 | PVC | Black |  |
| 80080 | PVC | Grey | |
| 80082 | PVC | Red | |
| 80084 | PVC | Black | |
| CTR.75.030.121870G | PVC | Grey |  |

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