

Summary

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| | |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage | 4 |
| Protocol | USB 2.0 (480Mb/s) |
| Wire Size/AWG | 24 - 20 |
| Gender | Standard |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 4.60 - 5.00 mm |
| Size | 1K |
| Suggested matching part | EGB.1K.304.CYM |
| Series | K - Outdoor keyed |

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgb-1k-304-cycc50z.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|-------------------------------|
| Contact Termination Low voltage | Crimp |
| R (max) | 4.8 mOhm |
| Insert configuration value | 1K.304 - 4 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated current | 10 A |
| Vtest (contact-contact) | 1700 V (AC), 2400 V (DC) |
| Vtest (contact-shell) | 1800 V (AC), 2550 V (DC) |
| Contact retention | 30 N |
| Contact Type | Crimp |
| Max. Conductor | 0.5 mm ² (AWG 20) |
| Min. Conductor | 0.25 mm ² (AWG 24) |
| Bucket Dia. | 1.1 mm (0.043in) |
| Contact Dia. | 0.9 mm (0.035in) |
| Number of contacts Low Voltage | 4 |
| Protocol | USB 2.0 (480Mb/s) |
| Wire Size/AWG | 24 - 20 |
| Gender | Standard |

Form & Material

| | |
|------------------------|--|
| Shell style / Model id | FG - Straight plug, cable collet and nut for fitting a bend relief |
| 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 | 2 keys (alpha=45, plug: male contacts, receptacle: female contacts) |
| Colour | Grey |
| Variant | Nut for fitting a bend relief |
| Weight | 25.52 g |

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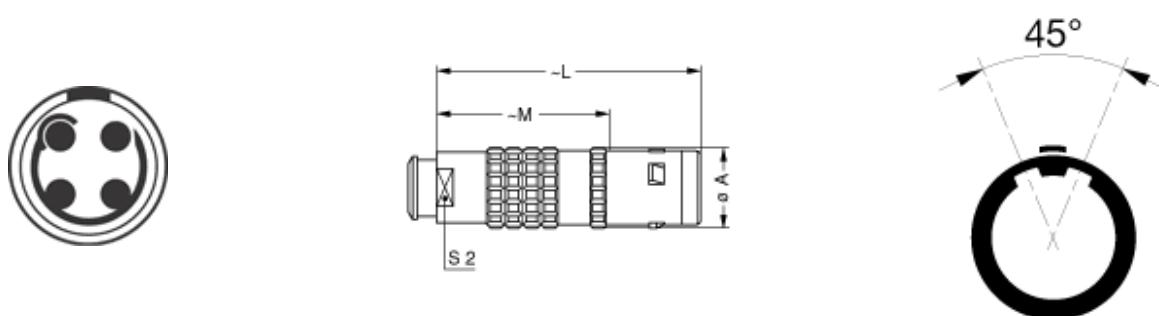
Environment

| | |
|-----------------------------------|---|
| Technical domain | Audio Video, Energy and Industrial, Medical, 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 | For cable bend relief |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 4.60 - 5.00 mm |

Drawings



Dimensions

| | M | A | S2 | L |
|-----|----------|----------|-----------|----------|
| mm. | 28 | 13 | 9 | 42 |
| in. | 1.1 | 0.51 | 0.35 | 1.65 |

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Recommended By Lemo

Accessories

| | |
|---------------------|--------------------------------|
| Replacement contact | FGG.1B.560.ZZC |
|---------------------|--------------------------------|

Tools


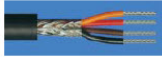



| | |
|-------------|--------------------------------|
| Positionner | DCE.91.091.BVC |
|-------------|--------------------------------|

| | |
|-----------------|--------------------------------|
| Extraction tool | DCC.09.05B.LAG |
|-----------------|--------------------------------|

| | |
|------------|------------------------------|
| Crimp tool | DPC.91.701.V |
|------------|------------------------------|

| | |
|----------------|----------------------------------|
| Spanner wrench | DCD.1E.ZZZ.PA090 |
|----------------|----------------------------------|

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 |  |
| 40260 | PVC | Black |  |
| 4221 | PVC | Black |  |
| 80080 | PVC | Grey | |
| 80082 | PVC | Red | |
| 80084 | PVC | Black | |

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