



*Image for illustrative purpose only*

## Summary

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|                                    |                                |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage     | 10                             |
| Wire Size/AWG                      | 20 - 18                        |
| Gender                             | Standard                       |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 9.60 - 10.00 mm                |
| Size                               | 3K                             |
| Suggested matching part            | <a href="#">EGG.3K.310.CYM</a> |
| Series                             | K - Outdoor keyed              |

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-3k-310-cycc10z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-310-cycc10z.html)

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# Technical details

## Electrical Configuration

|                                 |                              |
|---------------------------------|------------------------------|
| Number of contacts Low Voltage  | 10                           |
| Contact Termination Low voltage | Crimp                        |
| R (max)                         | 3.6 mOhm                     |
| Insert configuration value      | 3K.310 - 10 Low Voltage      |
| Insulator                       | Y: PEEK for crimp contacts   |
| Rated current                   | 12 A                         |
| Vtest (contact-contact)         | 2.1 kV (DC)                  |
| Vtest (contact-shell)           | 2.6 kV (DC)                  |
| Contact retention               | 40 N                         |
| Max. Conductor                  | 1 mm <sup>2</sup> (AWG 18)   |
| Min. Conductor                  | 0.5 mm <sup>2</sup> (AWG 20) |
| Bucket Dia.                     | 1.4 mm (0.055in)             |
| Contact Dia.                    | 1.3 mm (0.051in)             |
| Wire Size/AWG                   | 20 - 18                      |
| Gender                          | Standard                     |

## Form & Material

|                        |  |
|------------------------|--|
| Shell style / Model id | FG - Straight plug, cable adapter 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                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)   |
| Colour                 | Grey   |
| Variant                | Nut for fitting a bend relief  |
| Weight                 | 72.2 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 (max. temperature valid for short periods of use.) |
| 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] | 9.60 - 10.00 mm       |

# Recommended By Lemo

## Accessories

|                     |                                |
|---------------------|--------------------------------|
| Replacement contact | <a href="#">FGG.3B.565.ZZC</a> |
| Compatible cap      | <a href="#">BFG.3K.100.NAS</a> |

## Tools

|                 |                                  |
|-----------------|----------------------------------|
| Positionner     | <a href="#">DCE.91.133.BVC</a>   |
| Extraction tool | <a href="#">DCC.13.15B.LAG</a>   |
| Crimp tool      | <a href="#">DPC.91.701.V</a>     |
| Spanner wrench  | <a href="#">DCD.3E.ZZZ.PA150</a> |

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