

Standard



Image for illustrative purpose only

## Summary

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|                                    |  |
|------------------------------------|--|
| Number of contacts Low Voltage     | 6  |
| Wire Size/AWG                      | 34 - 28  |
| Gender                             | Standard   |
| Plug                               | Plug - Straight  |
| Locking system                     | Push-pull  |
| Jacket cable outside diameter [mm] | 3.10 - 3.50 mm   |
| Size                               | 0K   |
| Suggested matching part            | <a href="#">EGG.0K.306.CLL</a><br><a href="#">PHG.0K.306.CLLC35Z</a> |
| Series                             | K - Outdoor keyed  |

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-0k-306-clac35z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-0k-306-clac35z.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 6                             |
| Contact Termination Low voltage | Solder                        |
| R (max)                         | 8.7 mOhm                      |
| Insert configuration value      | 0K.306 - 6 Low Voltage        |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 3 A                           |
| Vtest (contact-contact)         | 1.2 kV (DC)                   |
| Vtest (contact-shell)           | 0.9 kV (DC)                   |
| Max. Solid Conductor            | 0.09 mm <sup>2</sup> (AWG 28) |
| Max. Stranded Conductor         | 0.09 mm <sup>2</sup> (AWG 28) |
| Bucket Dia.                     | 0.45 mm (0.018in)             |
| Contact Dia.                    | 0.5 mm (0.02in)               |
| Wire Size/AWG                   | 34 - 28                       |
| 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                 | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)   |
| Colour                 | Grey   |
| Variant                | Nut for fitting a bend relief  |
| Weight                 | 12.48 g  |

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## Environment

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|                                   |   |
|-----------------------------------|---|
| 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.) |
| Climatic 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

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|                                    |                       |
|------------------------------------|-----------------------|
| Cable termination protection       | For cable bend relief |
| Fixation type                      | Cable collet          |
| Jacket cable outside diameter [mm] | 3.10 - 3.50 mm        |

# Recommended By Lemo

## Accessories

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|                |                                |
|----------------|--------------------------------|
| Compatible cap | <a href="#">BFG.0K.100.NAS</a> |
|----------------|--------------------------------|

## CAD

## Documents





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|       |                          |
|-------|--------------------------|
| Eplan | <a href="#">Download</a> |
|-------|--------------------------|

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-0k-306-clac35z.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-0k-306-clac35z.html)

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# Cables

| Cable PartNumber   | Material | Colour | Cable image   |
|--------------------|----------|--------|---|
| CMN.06.T28.031PGCE | PVC      | GREY   |  |
| CMN.06.T28.031PGZE |          | grey   |  |
| CMN.06.T28.031PNCE | PVC      | Black  |  |
| CMN.06.T28.031PNZE |          |        |  |

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