

Standard



*Image for illustrative purpose only*

## Summary

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[BKT series](#)

|                                    |                                |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage     | 16                             |
| Wire Size/AWG                      | 24 - 20                        |
| Gender                             | Standard                       |
| Plug                               | Plug - Straight                |
| Locking system                     | Push-pull                      |
| Jacket cable outside diameter [mm] | 6.60 - 7.00 mm                 |
| Size                               | 3K                             |
| Suggested matching part            | <a href="#">EGG.3K.316.CYM</a> |
| Series                             | K - Outdoor keyed              |

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/fgg-3k-316-clcc70.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fgg-3k-316-clcc70.html)

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# Technical details

## Electrical Configuration

|                                 |                               |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage  | 16                            |
| Contact Termination Low voltage | Crimp                         |
| R (max)                         | 4.8 mOhm                      |
| Insert configuration value      | 3K.316 - 16 Low Voltage       |
| Insulator                       | L: PEEK (UL 94 / V-0/1.5)     |
| Rated current                   | 8 A                           |
| Vtest (contact-contact)         | 2.6 kV (DC)                   |
| Vtest (contact-shell)           | 2.1 kV (DC)                   |
| Contact retention               | 30 N                          |
| Max. Conductor                  | 0.5 mm <sup>2</sup> (AWG 20)  |
| Min. Conductor                  | 0.25 mm <sup>2</sup> (AWG 24) |
| Bucket Dia.                     | 1.1 mm (0.043in)              |
| Contact Dia.                    | 0.9 mm (0.035in)              |
| Wire Size/AWG                   | 24 - 20                       |
| Gender                          | Standard                      |

## Form & Material

|                        |                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | FG - Straight plug, cable collet                                                                                           |
| 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                                                                                                                       |

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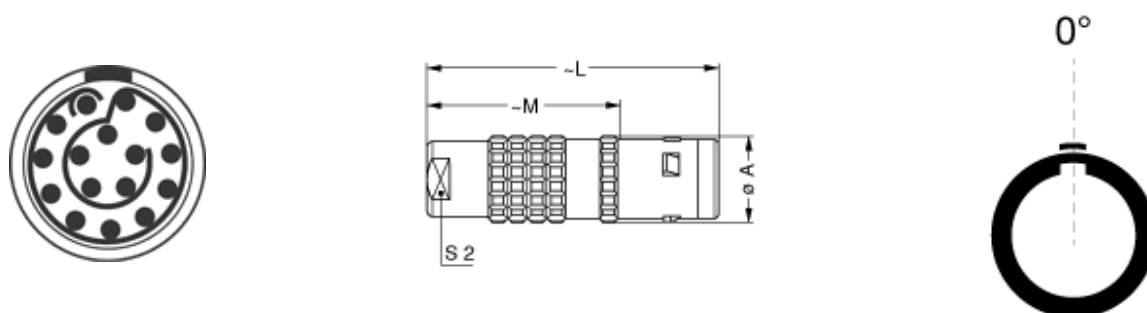
## Environment

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

|                                    |                                              |
|------------------------------------|----------------------------------------------|
| Cable termination protection       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 6.60 - 7.00 mm                               |

## Drawings



## Dimensions

|     | A    | L   | S2   | M    |
|-----|------|-----|------|------|
| mm. | 19   | 61  | 15   | 41   |
| in. | 0.75 | 2.4 | 0.59 | 1.61 |

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# Recommended By Lemo

| Accessories         |                                  |
|---------------------|----------------------------------|
| Replacement contact | <a href="#">FGG.3B.560.ZZC</a>   |
| Compatible cap      | <a href="#">BFG.3K.100.NAS</a>   |
| Tools               |                                  |
| Positionner         | <a href="#">DCE.91.093.BVC</a>   |
| Extraction tool     | <a href="#">DCC.09.05B.LAG</a>   |
| Crimp tool          | <a href="#">DPC.91.701.V</a>     |
| Spanner wrench      | <a href="#">DCD.3E.ZZZ.PA150</a> |

## Cables

| Cable PartNumber   | Material | Colour | Cable image                                                                          |
|--------------------|----------|--------|--------------------------------------------------------------------------------------|
| CMN.16.T28.070NNZZ |          |        |                                                                                      |
| 216260             | PVC      | Black  |  |