



## Summary

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|                                    |                            |
|------------------------------------|----------------------------|
| Coax                               | 1                          |
| Gender                             | Standard                   |
| Socket / Receptacle                | Socket / Receptacle - Free |
| Locking system                     | Push-pull                  |
| Jacket cable outside diameter [mm] | 9.60 - 10.50 mm            |
| Size                               | 4K                         |
| Series                             | K - Outdoor keyed          |

## Technical details

### Electrical Configuration

|                          |          |
|--------------------------|----------|
| Coax                     | 1        |
| Contact Termination Coax | Solder   |
| Insulator                | T: PTFE  |
| Contact Type             | Solder   |
| Gender                   | Standard |

[https://www.lemo.com/int\\_en/solutions/originals/k-outdoor-keyed/phg-4k-250-ctlc10.html](https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/phg-4k-250-ctlc10.html)

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## Form & Material

|                        |                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | PH - Free receptacle, cable collet                                                                                         |
| Socket / Receptacle    | Free                                                                                                                       |
| 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                 | 1 key (alpha=0, plug: male contacts, receptacle: female contacts)                                                          |
| Weight                 | 156.79 g                                                                                                                   |

## 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       | Standard back nut (no additional protection) |
| Fixation type                      | Cable collet                                 |
| Jacket cable outside diameter [mm] | 9.60 - 10.50 mm                              |

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