



Image for illustrative purpose only

Summary

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| | |
|--------------------------------|-----------------------------------|
| Number of contacts Low Voltage | 3 |
| Wire Size/AWG | 24 - 16 |
| Gender | Standard |
| Plug | Plug - Fixed |
| Locking system | Snap-on |
| Size | 2K |
| Suggested matching part | PHG.2K.303.CLLC50 |
| Series | K - Outdoor keyed |

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/fag-2k-303-cla.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|----------------------------|
| Contact Termination Low voltage | Solder |
| R (max) | 3.5 mOhm |
| Insert configuration value | 2K.303 - 3 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 17 A |
| Vtest (contact-contact) | 2400 V (AC), 3390 V (DC) |
| Vtest (contact-shell) | 1850 V (AC), 2600 V (DC) |
| Contact Type | Solder |
| Max. Solid Conductor | 1 mm ² (AWG 16) |
| Max. Stranded Conductor | 1 mm ² (AWG 18) |
| Bucket Dia. | 1.4 mm (0.055in) |
| Contact Dia. | 1.6 mm (0.063in) |
| Number of contacts Low Voltage | 3 |
| Wire Size/AWG | 24 - 16 |
| Gender | Standard |

Form & Material

| | |
|------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Shell style / Model id | FA - Fixed plug, non-latching, nut fixing |
| Plug | Fixed |
| 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 | Snap-on |
| Keying | 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Colour | Grey |
| Weight | 40.82 g |

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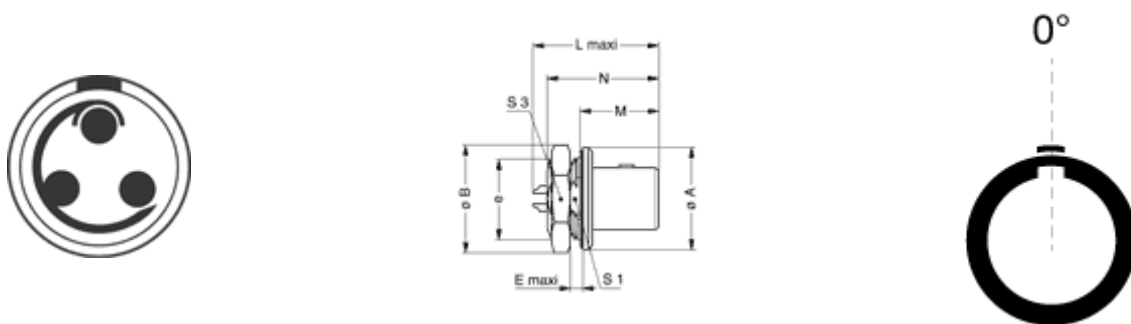
Environment

| | |
|-----------------------------------|-------------------------------------------------------------------|
| 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 | Standard back nut (no additional protection) |
| Fixation type | Cable collet |

Drawings



Dimensions

| | e | A | B | E | S3 | S1 | L | M | N |
|-----|----------|----------|----------|----------|-----------|-----------|----------|----------|----------|
| mm. | M20x1.0 | 25 | 27.5 | 4.5 | 24 | 18.5 | 33.6 | 18 | 28.3 |
| in. | | 0.98 | 1.08 | 0.18 | 0.94 | 0.73 | 1.32 | 0.71 | 1.11 |

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Recommended By Lemo

| |
|-------------|
| Accessories |
| Tools |

Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|---------------|--------|--------------------------------------------------------------------------------------|
| CMN.03.T18.055PGZE | | grey |  |
| CMN.03.T18.055PNZE | | |  |
| CMN.03.T18.055QGZE | TPR (medical) | Grey |  |
| CMN.03.T20.049PGZE | | grey |  |
| CMN.03.T20.049PNZE | | |  |
| CMN.03.T28.031PGCE | PVC | GREY |  |
| CMN.03.T28.031PGZE | | grey |  |
| CMN.03.T28.031PNCE | PVC | Black |  |
| CMN.03.T28.031PNZE | | |  |
| 130240 | PVC | Black |  |
| 130250 | PVC | Grey |  |
| 230500 | PVC | Grey |  |
| 230750 | PVC | Grey |  |
| 30110 | PVC | Grey |  |
| 30141 | PVC | Grey |  |
| 30260 | PVC | Black |  |
| 3041 | PVC | Grey |  |
| 3050 | PVC | Black |  |
| 3081 | PVC | Black | |
| 3220 | PVC | Black |  |
| 3280 | PVC | Black |  |
| 60080 | PVC | Grey | |

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