



Summary

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| | |
|------------------------------------|--|
| Number of contacts Low Voltage | 7 |
| Wire Size/AWG | 30 - 22 |
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 5.60 - 6.00 mm |
| Size | 1K |
| Suggested matching part | FGG.1K.307.CLAC60Z |
| Series | K - Outdoor keyed |

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/peg-1k-307-cllc60z.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|-------------------------------|
| Contact Termination Low voltage | Solder |
| R (max) | 6.1 mOhm |
| Insert configuration value | 1K.307 - 7 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 7 A |
| Vtest (contact-contact) | 950 V (AC), 1340 V (DC) |
| Vtest (contact-shell) | 1050 V (AC), 1490 V (DC) |
| Contact Type | Solder |
| Max. Solid Conductor | 0.34 mm ² (AWG 22) |
| Max. Stranded Conductor | 0.34 mm ² (AWG 22) |
| Bucket Dia. | 0.8 mm (0.031in) |
| Contact Dia. | 0.7 mm (0.028in) |
| Number of contacts Low Voltage | 7 |
| Wire Size/AWG | 30 - 22 |
| Gender | Standard |

Form & Material

| | |
|------------------------|--|
| Shell style / Model id | PE - Fixed receptacle, nut fixing, cable adapter, with bend relief nut (back panel mounting) |
| Socket / Receptacle | Fixed Panel Rear Mounted |
| 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) |
| Variant | Nut for fitting a bend relief |
| Weight | 36.26 g |

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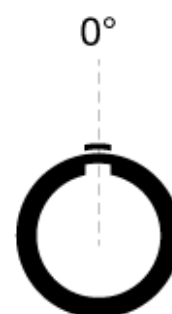
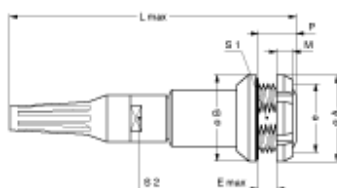
Environment

| | |
|-----------------------------------|---|
| 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 | For cable bend relief |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 5.60 - 6.00 mm |

Drawings



Dimensions

| | A | S1 | B | e | E | L | M | P | S2 |
|-----|----------|-----------|----------|----------|----------|----------|----------|----------|-----------|
| mm. | 20 | 14.5 | 20 | M16x1.0 | 6.5 | 78.5 | 3.5 | 10 | 9 |
| in. | 0.79 | 0.57 | 0.79 | | 0.26 | 3.09 | 0.14 | 0.39 | 0.35 |

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Recommended By Lemo

Accessories

Tools

Spanner wrench

[Socket for torque wrench DCM.1E.M16.6](#)

Cables

| Cable PartNumber | Material | Colour | Cable image |
|------------------|----------|--------|---|
| 270250 | PVC | Grey |  |

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