



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|-----------------------------------|
| Number of contacts Low Voltage | 5 |
| Wire Size/AWG | 20 - 18 |
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Free |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 6.30 - 7.20 mm |
| Size | 2B |
| Suggested matching part | FGG.2B.305.CYCD72 |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/phg-2b-305-cymd72.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|------------------------------|
| Number of contacts Low Voltage | 5 |
| Contact Termination Low voltage | Crimp |
| R (max) | 3.6 mOhm |
| Insert configuration value | 2B.305 - 5 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated current | 14 A |
| Vtest (contact-contact) | 3.1 kV (DC) |
| Vtest (contact-shell) | 3.1 kV (DC) |
| Contact retention | 40 N |
| Max. Conductor | 1 mm ² (AWG 18) |
| Min. Conductor | 0.5 mm ² (AWG 20) |
| Bucket Dia. | 1.4 mm (0.055in) |
| Contact Dia. | 1.3 mm (0.051in) |
| Wire Size/AWG | 20 - 18 |
| Gender | Standard |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | PH - Free receptacle, cable collet |
| Socket / Receptacle | Free |
| Housing material | Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Locking system | Push-pull |
| Keying | G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts) |
| Colour | Grey |

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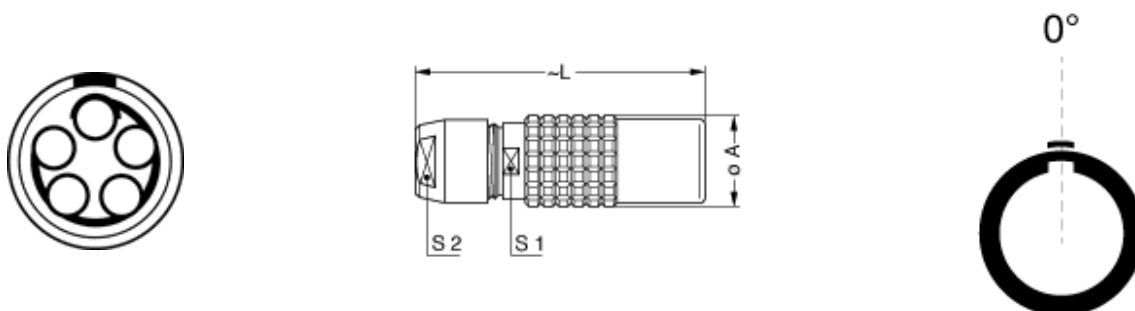
Environment

| | |
|-----------------------------------|--|
| Technical domain | Audio Video, Energy and Industrial, Medical, Semiconductor, Specialties and Other, Test and Measurement, Transportation, Aerospace and UAV |
| Environmental sealing (IP rating) | IP50 |
| Endurance | 5000 mating cycles |
| Temperature range | -55°C / +250°C (max. temperature valid for short periods of use.) |
| Climatical Category | 50/175/21 |
| Humidity (max) | <=95% [at 60 deg C /140 F] |
| Shielding (min) | 75 dB (10 MHz) |
| Shielding (min) | 40 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] | 6.30 - 7.20 mm |

Drawings



Dimensions

| | S2 | S1 | L | A |
|-----|------|------|------|------|
| mm. | 12 | 13 | 47 | 16.5 |
| in. | 0.47 | 0.51 | 1.85 | 0.65 |




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Recommended By Lemo

| Accessories | |
|---------------------|----------------------------------|
| Replacement contact | EGG.2B.665.ZZM |
| Compatible cap | BRF.2S.200.NAS |
| Tools | |
| Spanner | DCP.91.023.TN |
| Positionner | DCE.91.132.BVM |
| Extraction tool | DCC.13.15B.LAG |
| Crimp tool | DPC.91.701.V |
| Spanner wrench | DCD.2B.ZZZ.PA120 |

Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|----------|--------|---|
| CMN.05.T18.065PGZE | | grey |  |
| CMN.05.T18.065PNZE | | |  |
| 250500 | PVC | Grey |  |