



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|---|
| Number of contacts Low Voltage | 20 |
| Wire Size/AWG | 26 - 22 |
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 2.00 - 16.60 mm |
| Size | 3B |
| Suggested matching part | FGG.3B.320.CYCD10 |
| Series | B - Indoor keyed |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/eng-3b-320-cym.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage | 20 |
| Contact Termination Low voltage | Crimp |
| R (max) | 6.1 mOhm |
| Insert configuration value | 3B.320 - 20 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated current | 6 A |
| Vtest (contact-contact) | 2 kV (DC) |
| Vtest (contact-shell) | 2.2 kV (DC) |
| Contact retention | 22 N |
| Max. Conductor | 0.34 mm ² (AWG 22) |
| Min. Conductor | 0.14 mm ² (AWG 26) |
| Bucket Dia. | 0.8 mm (0.031in) |
| Contact Dia. | 0.7 mm (0.028in) |
| Wire Size/AWG | 26 - 22 |
| Gender | Standard |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | EN - Fixed receptacle with grounding tab, nut fixing |
| Socket / Receptacle | Fixed Panel Front Mounted |
| 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 |
| Weight | 27.46 g |

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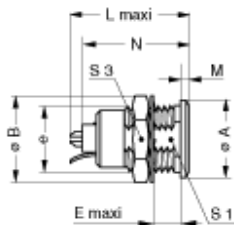
Environment

| | |
|-----------------------------------|--|
| 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

| | |
|------------------------------------|-----------------|
| Jacket cable outside diameter [mm] | 2.00 - 16.60 mm |
|------------------------------------|-----------------|

Drawings



Dimensions

| | A | B | e | E | L | M | N | S1 | S3 |
|-----|------|------|---------|------|------|------|------|------|------|
| mm. | 22 | 25 | M18x1.0 | 11.5 | 30.7 | 2 | 28.1 | 16.5 | 22 |
| in. | 0.87 | 0.98 | | 0.45 | 1.21 | 0.08 | 1.11 | 0.65 | 0.87 |

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Recommended By Lemo

| Accessories | |
|---------------------|--------------------------------|
| Replacement contact | EGG.3B.655.ZZM |
| Compatible cap | BRE.3S.200.NAS |
| Tools | |
| Positionner | DCE.91.073.BVM |
| Extraction tool | DCC.07.04B.LAG |
| Crimp tool | DPC.91.701.V |

Cables

| Cable PartNumber | Material | Colour | Cable image |
|------------------|----------|--------|---|
| 420250 | PVC | Grey |  |