

Special*Image for illustrative purpose only*

Summary

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| | |
|------------------------------------|---|
| Number of contacts Low Voltage | 18 |
| Wire Size/AWG | 24 - 20 |
| Gender | Standard |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 10.80 - 11.90 mm |
| Size | 3B |
| Suggested matching part | FGG.3B.318.CYCD12 |
| Series | B - Indoor keyed |

Technical details

Electrical Configuration

| | |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage | 18 |
| Contact Termination Low voltage | Crimp |
| R (max) | 4.8 mOhm |
| Insert configuration value | 3B.318 - 18 Low Voltage |
| Insulator | Y: PEEK for crimp contacts |
| Rated current | 7 A |
| Vtest (contact-contact) | 2.6 kV (DC) |
| Vtest (contact-shell) | 2.3 kV (DC) |
| Contact retention | 30 N |
| Max. Conductor | 0.5 mm ² (AWG 20) |
| Min. Conductor | 0.25 mm ² (AWG 24) |
| Bucket Dia. | 1.1 mm (0.043in) |
| Contact Dia. | 0.9 mm (0.035in) |
| Wire Size/AWG | 24 - 20 |
| Gender | Standard |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | PK - Fixed receptacle, nut fixing, cable collet |
| 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 |

https://www.lemo.com/int_en/solutions/originals/b-indoor-keyed/pkg-3b-318-cymd12.html

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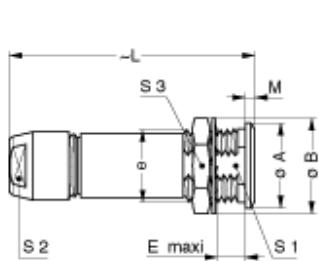
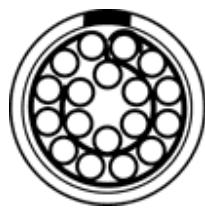
Environment

| | |
|-----------------------------------|--|
| 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.) |
| Climatic Category | 55/175/21 |
| 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] | 10.80 - 11.90 mm |

Drawings



Dimensions

| | A | B | e | E | L | S3 | S1 | S2 | M |
|-----|----------|----------|----------|----------|----------|-----------|-----------|-----------|----------|
| mm. | 22 | 25 | M18x1.0 | 11.5 | 56 | 22 | 16.5 | 14 | 2 |
| in. | 0.87 | 0.98 | | 0.45 | 2.2 | 0.87 | 0.65 | 0.55 | 0.08 |

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Recommended By Lemo

Accessories

| | |
|---------------------|-----------------|
| Replacement contact | EGG.3B.660.ZZM |
| Compatible cap | BRA.3B.200.PCSG |

Tools

| | |
|-----------------|------------------|
| Positionner | DCE.91.093.BVM |
| Extraction tool | DCC.09.05B.LAG |
| Crimp tool | DPC.91.701.V |
| Spanner wrench | DCD.3B.ZZZ.PA140 |

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