



Summary

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| | |
|------------------------------------|--------------------------------|
| Low Voltage | 2 |
| Wire Size/AWG | 30 - 22 |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 5.30 - 6.20 mm |
| Size | 0S |
| Matching parts | ERA.0S.302.CLL |
| Series | S - Indoor Stepped Insert |

Technical details

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-0s-302-clak57.html

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Electrical Configuration

| | |
|---------------------------------|-------------------------------|
| Contact Termination Low voltage | Solder |
| R (max) | 4.8 mOhm |
| Insert configuration value | 0S.302 - 2 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 10 Amps |
| Vtest | 1500 V (AC), 2100 V (DC) |
| Contact Type | Solder |
| Max. Solid Conductor | 0.34 mm ² (AWG 22) |
| Bucket Dia. | 0.8 mm (0.031in) |
| Contact Dia. | 0.9 mm (0.0354in) |
| Low Voltage | 2 |
| Wire Size/AWG | 30 - 22 |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | FFA - Straight plug with oversize cable collet |
| Plug | Straight |
| 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 | Hermaphroditic keying (half moon insert) with male pin 1 |
| Weight | 12.16 g |

Environment

| | |
|--------------------------------------|---|
| Technical domain | Audio Video, Energy and Industrial, Semiconductor, Test and Measurement |
| Environmental protection (IP rating) | IP50 |
| Minimal temperature | -55°C / +250°C |
| 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 |

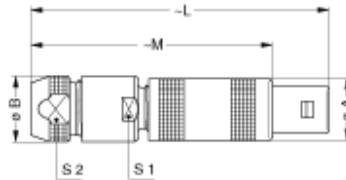
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Cable fixation

| | |
|------------------------------------|--|
| Cable termination protection | Standard back nut (no additional protection) |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 5.30 - 6.20 mm |

Drawings



Dimensions

| | B | L | M | S1 | S2 | A |
|-----|----------|----------|----------|-----------|-----------|----------|
| mm. | 10 | 45.5 | 35.5 | 9 | 8.5 | 9 |
| in. | 0.39 | 1.79 | 1.4 | 0.35 | 0.33 | 0.35 |

Recommended By Lemo

Accessories

Tools

Spanner wrench

[DCD.0S.ZZZ.PA065](#)

Cables

| Cable PartNumber | Material | Colour | Cable image |
|-------------------------|-----------------|---------------|--------------------|
| 102080 | PVC | Grey | |
| 120184 | PVC | Black | |

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