

Special



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Summary

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| | |
|------------------------------------|--------------------------------|
| Number of contacts Low Voltage | 44 |
| Wire Size/AWG | 28 - 20 |
| Plug | Plug - Elbow |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 13.10 - 14.00 mm |
| Size | 5S |
| Suggested matching part | ERA.5S.344.CLL |
| Series | S - Indoor Stepped Insert |

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/fla-5s-344-clac14.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|------------------------------|
| Number of contacts Low Voltage | 44 |
| Contact Termination Low voltage | Solder |
| R (max) | 3.6 mOhm |
| Insert configuration value | 5S.344 - 44 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 6 A |
| Vtest | 1200 V (AC), 1800 V (DC) |
| Max. Solid Conductor | 0.5 mm ² (AWG 20) |
| Max. Stranded Conductor | 0.5 mm ² (AWG 20) |
| Bucket Dia. | 1 mm (0.039in) |
| Contact Dia. | 1.3 mm (0.051in) |
| Wire Size/AWG | 28 - 20 |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | FLA - Elbow plug, cable collet |
| Plug | Elbow |
| 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 |
| Colour | Grey |
| Weight | 465.56 g |

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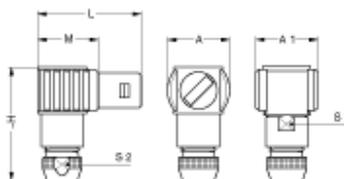
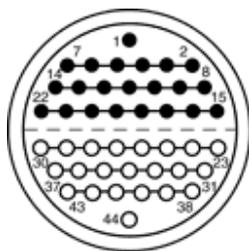
Environment

| | |
|-----------------------------------|---|
| Technical domain | Audio Video, Energy and Industrial, Semiconductor, Test and Measurement |
| 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] | 13.10 - 14.00 mm |

Drawings



Dimensions

| | H | L | M | S1 | S2 | A1 |
|-----|----------|----------|----------|-----------|-----------|-----------|
| mm. | 76.5 | 65 | 40 | 30 | 29 | 37 |
| in. | 3.01 | 2.56 | 1.57 | 1.18 | 1.14 | 1.46 |

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Recommended By Lemo

Accessories

Compatible cap

[BFA.5S.100.NAS](#)

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