

Standard

*Image for illustrative purpose only*

Summary

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| | |
|------------------------------------|---|
| Number of contacts Low Voltage | 4 |
| Wire Size/AWG | 30 - 22 |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 3.20 - 4.20 mm |
| Size | 1S |
| Suggested matching part | ERA.1S.304.CLL PCA.1S.304.CLLC42 |
| Series | S - Indoor Stepped Insert |

Technical details

Electrical Configuration

| | |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage | 4 |
| Contact Termination Low voltage | Solder |
| R (max) | 4.8 mOhm |
| Insert configuration value | 1S.304 - 4 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 10 A |
| Test voltage (kV DC) | 1.8 |
| Max. Solid Conductor | 0.34 mm ² (AWG 22) |
| Air clearance | 1.1 mm |
| Creepage distance | 1.1 mm |
| Bucket Dia. | 0.8 mm (0.031in) |
| Contact Dia. | 0.9 mm (0.0354in) |
| Wire Size/AWG | 30 - 22 |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | FFA - Straight plug, 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 |
| Colour | Grey |
| Weight | 13.59 g |

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] | 3.20 - 4.20 mm |

Recommended By Lemo

Accessories

| | |
|----------------|---------------------------------|
| Compatible cap | BFG.1B.100.PCZG |
|----------------|---------------------------------|

CAD

Documents

| | |
|-------|--------------------------|
| Eplan | Download |
|-------|--------------------------|

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/ffa-1s-304-clac42.html

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Cables

| Cable PartNumber | Material | Colour | Cable image |
|------------------|----------|--------|---|
| 40080 | PVC | Black | |
| 40086 | PVC | Blue | |
| 40140 | PVC | Black |  |
| 40240 | PTFE | White |  |
| 4260 | PTFE | White |  |

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