

[Standard](#)

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Summary

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| | |
|------------------------------------|--|
| Number of contacts Low Voltage | 7 |
| Plug | Plug - Straight |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 6.60 - 7.00 mm |
| Size | 2E |
| Suggested matching part | ERA.2E.307.CLL PCA.2E.307.CLLC70Z |
| Series | E - Outdoor Stepped Insert |

Technical details

Electrical Configuration

| | |
|---------------------------------|--|
| Number of contacts Low Voltage | 7 |
| Contact Termination Low voltage | Solder |
| Insert configuration value | 2E.307 - 3 (1.3 mm) + 4 (0.9 mm) Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 1.3 mm : 12 A, 0.9 mm : 9 A |
| Test voltage (kV DC) | 1.2 |
| Bucket Dia. | 3x1.0 mm, 4x0.8 mm |
| Contact Dia. | 3x1.3 mm, 4x0.9 mm |
| Wire Size/AWG details | 1.3 mm : 20 (AWG max), 0.9 mm : 22 (AWG max) |

Form & Material

| | |
|------------------------|--|
| Shell style / Model id | FFA - Straight plug, cable collet and nut for fitting a bend relief |
| Plug | Straight |
| Housing material | Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces |
| Locking system | Push-pull |
| Keying | Hermaphroditic keying (half moon insert) with male pin 1 |
| Colour | Grey |
| Variant | Nut for fitting a bend relief |
| Weight | 40.99 g |

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/ffa-2e-307-clac70z.html

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Environment

| | |
|-----------------------------------|---|
| Technical domain | Energy and Industrial, Test and Measurement |
| Environmental sealing (IP rating) | IP68 |
| Endurance | 5000 mating cycles |
| Temperature range | -55°C / +200°C (max. temperature valid for short periods of use.) |
| Climatic Category | 50/175/21 |
| Humidity (max) | <=95% [at 60 deg C /140 F] |
| Shielding (min) | 95 dB (10 MHz) |
| Shielding (min) | 80 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 | For cable bend relief |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 6.60 - 7.00 mm |

Recommended By Lemo

Accessories

| | |
|----------------|--------------------------------|
| Compatible cap | BFA.2E.100.NAS |
|----------------|--------------------------------|

CAD

Documents

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

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