



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|---|
| Number of contacts Low Voltage | 5 |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 5.10 - 5.50 mm |
| Size | 1E |
| Suggested matching part | FFA.1E.305.CLAC55 |
| Series | E - Outdoor Stepped Insert |

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/psa-1e-305-cllc55.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|---|
| Number of contacts Low Voltage | 5 |
| Contact Termination Low voltage | Solder |
| Insert configuration value | 1E.305 - 2 (0.9 mm) + 3 (0.7 mm) Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 2x0.9 contacts : 10 Amps and 3x0,7 contacts : 7 A |
| Test voltage (kV DC) | 2.1 |

Form & Material

| | |
|------------------------|--|
| Shell style / Model id | PSA - Fixed receptacle, nut fixing, cable collet |
| Socket / Receptacle | Fixed Panel Front Mounted |
| 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 female pin 1 |
| Colour | Grey |

Environment

| | |
|-----------------------------------|---|
| Technical domain | Energy and Industrial, Test and Measurement |
| Environmental sealing (IP rating) | IP68 |
| Endurance | 5000 mating cycles |
| Temperature range | -55°C / +200°C |
| Climatical 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 |

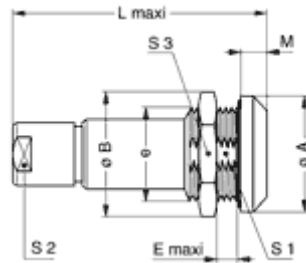
https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/psa-1e-305-cllc55.html

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Cable fixation

| | |
|------------------------------------|--|
| Cable termination protection | Standard back nut (no additional protection) |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 5.10 - 5.50 mm |

Drawings



Dimensions

| | A | B | e | E | L | M | S1 | S2 | S3 |
|-----|------|------|---------|------|------|------|------|------|------|
| mm. | 20 | 21.5 | M16x1.0 | 9 | 45 | 4.5 | 14.5 | 9 | 19 |
| in. | 0.79 | 0.85 | | 0.35 | 1.77 | 0.18 | 0.57 | 0.35 | 0.75 |

Recommended By Lemo

Accessories

Compatible cap

[BRE.1K.200.NAS](#)

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