

Standard



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|---|
| Number of contacts Low Voltage | 3 |
| Wire Size/AWG | 30 - 22 |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 1.30 - 14.60 mm |
| Size | 1E |
| Suggested matching part | FFA.1E.303.CLAC30 |
| Series | E - Outdoor Stepped Insert |

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/hgp-1e-303-cllpv.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|-------------------------------|
| Number of contacts Low Voltage | 3 |
| Contact Termination Low voltage | Solder |
| R (max) | 4.8 mOhm |
| Insert configuration value | 1E.303 - 3 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) |
| 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 | HGP - Fixed receptacle, nut fixing, watertight or vacuum-tight |
| 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 |
| Variant | Watertight / Vacuum-tested unmated (connector to device) |
| Weight | 21.47 g |

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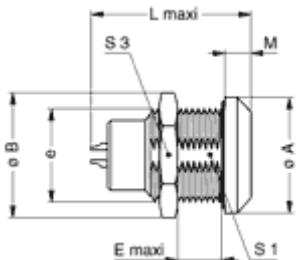
Environment

| | |
|-----------------------------------|--|
| Technical domain | Energy and Industrial, Test and Measurement |
| Environmental sealing (IP rating) | Hermetic unmated |
| Endurance | 5000 mating cycles |
| Temperature range | -20°C / +100°C |
| Climatic Category | 20/80/21 |
| 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] |
| Pressure | 60 bars |
| R leak (He) (max) | 10 ⁻⁷ mbar·l/s (if vacuum-tested) |
| Salt Spray Corrosion | >1000 hr |

Cable fixation

| | |
|------------------------------------|-----------------|
| Jacket cable outside diameter [mm] | 1.30 - 14.60 mm |
|------------------------------------|-----------------|

Drawings



Dimensions

| | A | B | e | E | L | M | S1 | S3 |
|-----|----------|----------|----------|----------|----------|----------|-----------|-----------|
| mm. | 20 | 21.5 | M16x1.0 | 9 | 29.1 | 4.5 | 14.5 | 19 |
| in. | 0.79 | 0.85 | | 0.35 | 1.15 | 0.18 | 0.57 | 0.75 |

Recommended By Lemo

Accessories

Compatible cap

BRE.1K.200.NAS

Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|----------|--------|---|
| CMN.03.T28.031PGCE | PVC | GREY |  |
| CMN.03.T28.031PGZE | | grey |  |
| CMN.03.T28.031PNCE | PVC | Black |  |
| CMN.03.T28.031PNZE | | |  |
| 130240 | PVC | Black |  |
| 130250 | PVC | Grey |  |
| 30110 | PVC | Grey |  |
| 30141 | PVC | Grey |  |
| 30260 | PVC | Black |  |
| 3041 | PVC | Grey |  |
| 3050 | PVC | Black |  |
| 3081 | PVC | Black | |
| 3220 | PVC | Black |  |
| 3280 | PVC | Black |  |
| 60080 | PVC | Grey | |

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