



Image for illustrative purpose only

Summary

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| | |
|------------------------------------|------------------------------------|
| Number of contacts Low Voltage | 2 |
| Wire Size/AWG | 28 - 20 |
| Socket / Receptacle | Socket / Receptacle - Free |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 2.60 - 3.00 mm |
| Size | 1E |
| Suggested matching part | FFA.1E.302.CLAC30Z |
| Series | E - Outdoor Stepped Insert |

https://www.lemo.com/int_en/solutions/originals/e-outdoor-stepped-insert/pca-1e-302-cllc30z.html

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Technical details

Electrical Configuration

| | |
|---------------------------------|------------------------------|
| Contact Termination Low voltage | Solder |
| R (max) | 3.6 mOhm |
| Insert configuration value | 1E.302 - 2 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 15 A |
| Vtest | 1200 V (AC), 1700 V (DC) |
| Contact Type | Solder |
| 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) |
| Number of contacts Low Voltage | 2 |
| Wire Size/AWG | 28 - 20 |

Form & Material

| | |
|------------------------|--|
| Shell style / Model id | PCA - Free receptacle, cable collet and nut for fitting a bend relief |
| Socket / Receptacle | Free |
| 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 | Nut for fitting a bend relief |

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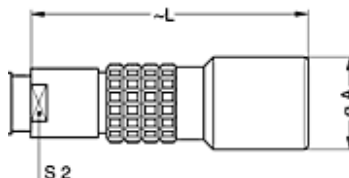
Environment

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

Cable fixation

| | |
|------------------------------------|-----------------------|
| Cable termination protection | For cable bend relief |
| Fixation type | Cable collet |
| Jacket cable outside diameter [mm] | 2.60 - 3.00 mm |

Drawings



Dimensions

| | A | L | S2 |
|-----|----------|----------|-----------|
| mm. | 15 | 45 | 9 |
| in. | 0.59 | 1.77 | 0.35 |

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Recommended By Lemo

Accessories

Compatible cap

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

Cables

| Cable PartNumber | Material | Colour | Cable image |
|--------------------|----------|--------|---|
| CMN.02.T28.030PGCE | PVC | GREY |  |
| CMN.02.T28.030PGZE | | grey |  |
| CMN.02.T28.030PNCE | PVC | Black |  |
| CMN.02.T28.030PNZE | | |  |
| 2050 | PVC | Black |  |
| 2260 | PTFE | White |  |

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