# ERN.0S.302.CLL

Standard



*Image for illustrative purpose only*

# Summary

Request a quote

Catalog

| | |
|---|---|
| Number of contacts Low Voltage | 2 |
| Wire Size/AWG | 30 - 22 |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Front Mounted |
| Locking system | Push-pull |
| Jacket cable outside diameter [mm] | 1.00 - 8.30 mm |
| Size | 0S |
| Suggested matching part | FFA.0S.302.CLAC22 |
| Series | S - Indoor Stepped Insert |

# Technical details

## Electrical Configuration

| | |
|---|---|
| Number of contacts Low Voltage | 2 |
| Contact Termination Low voltage | Solder |
| R (max) | 4.8 mOhm |
| Insert configuration value | 0S.302 - 2 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated current | 10 A |
| Test voltage (kV DC) | 1.6 |
| Max. Solid Conductor | 0.34 mm² (AWG 22) |
| Bucket Dia. | 0.8 mm (0.031in) |
| Contact Dia. | 0.9 mm (0.0354in) |
| Wire Size/AWG | 30 - 22 |

## Form & Material

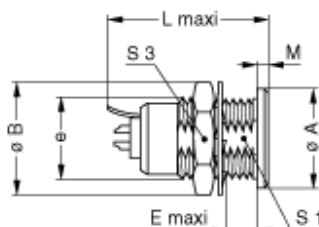| | |
|---|---|
| Shell style / Model id | ERN - Fixed receptacle, nut fixing, with grounding tab |
| Socket / Receptacle | Fixed Panel Front Mounted |
| Housing material | Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces |
| Locking system | Push-pull |
| Keying | Hermaphroditic keying (half moon insert) with female pin 1 |
| Colour | Grey |
| Weight | 4.08 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

| | |
|---|---|
| Jacket cable outside diameter [mm] | 1.00 - 8.30 mm |

# Drawings



## Dimensions

| | A | B | e | E | L | M | S1 | S3 |
|---|---|---|---|---|---|---|---|---|
| mm. | 10 | 12.5 | M9x0.6 | 7 | 19.3 | 1.2 | 8.2 | 11 |
| in. | 0.39 | 0.49 | | 0.28 | 0.76 | 0.05 | 0.32 | 0.43 |

# Recommended By Lemo

## Accessories

Compatible cap                                              BRE.0S.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 | | | |
| 102080 | PVC | Grey | |
| 120184 | PVC | Black | |
| 120240 | PVC | Black | |
| 120250 | PVC | Grey | |
| 20140 | PVC | Grey | |
| 20140 | PVC | Grey | |
| 20141 | PVC | Grey | |
| 20142 | PVC | Red | |
| 20143 | PVC | Green | |
| 20144 | PVC | Black | |
| 20145 | PVC | Yellow | |
| 20146 | PVC | Black | |
| 20240 | PTFE | White | |
| 20260 | PVC | Black | |
| 20264 | PVC | Black | |
| 20266 | PVC | Violet | |
| 2050 | PVC | Black | |
| 20550 | PUR | Black | |
| 20560 | PUR | White | |
| 2080 | PVC | Grey | |
| 2221 | PVC | Black | |
| 2260 | PTFE | White | |
| 2280 | PVC | Black | |
| 4082 | PVC | Grey | |
| CMB.02.210.635 | PUR | Black | |