

Special

*Image for illustrative purpose only*

Summary

[Request a quote](#)[thermocouple](#)

| | |
|-----------------------------|--|
| Nb of contacts Thermocouple | 2 |
| Wire Size/AWG | 30 - 22 |
| Socket / Receptacle | Socket / Receptacle - Fixed Panel Rear Mounted |
| Locking system | Push-pull |
| Size | 0S |
| Series | S - Indoor Stepped Insert |

https://www.lemo.com/int_en/solutions/originals/s-indoor-stepped-insert/erd-0s-302-cyt.html

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Technical details

Electrical Configuration

| | |
|------------------------------------|----------------------------------|
| Nb of contacts Thermocouple | 2 |
| Contact Termination Thermocouple | Crimp |
| Insert configuration value | 0S.302/ThC - 1 Thermocouple Pair |
| Footprint IPC Class3 compatibility | No |
| Insulator | Y: PEEK for crimp contacts |
| Rated current | 10 A |
| ThC. Materials (P+/N-) | Copper / Constantan |
| Contact Dia. | 0.9 |
| Wire Size/AWG | 30 - 22 |

Form & Material

| | |
|------------------------|---|
| Shell style / Model id | ERD - Fixed receptacle with two nuts (back panel mounting) |
| Socket / Receptacle | Fixed Panel Rear 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 | 8.15 g |

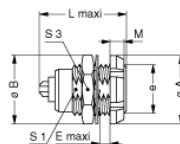
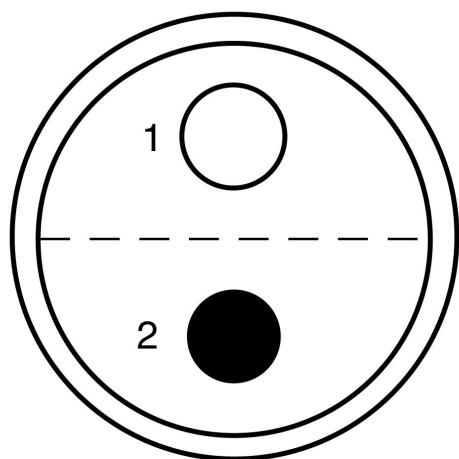
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Environment

| | |
|-----------------------------------|---|
| 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 |

Drawings



Contact 1: Konstantan (-)
Contact 2: Copper (+)

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Dimensions

| | A | B | e | E | L | M | S1 | S3 |
|-----|------|------|--------|------|------|-----|------|------|
| mm. | 12 | 12.5 | M9x0.6 | 5.5 | 18.5 | 2.5 | 8.2 | 11 |
| in. | 0.47 | 0.49 | | 0.22 | 0.73 | 0.1 | 0.32 | 0.43 |

Recommended By Lemo

| Accessories | |
|---------------------|---|
| Replacement contact | EGG.0B.660.ZZE |
| Compatible cap | BRE.0S.200.NAS |
| Tools | |
| Spanner 2 | DCM.65.106.AZ4 |
| Spanner wrench | Socket for torque wrench DCM.0S.M09.4 |