

## SUMMARY

### # Wires

High voltage 1



*Image is for illustrative purpose only*

|                  |                                |
|------------------|--------------------------------|
| Series           | 1S                             |
| Termination type | Male solder High-Voltage       |
| IP rating        | 50                             |
| AWG wire size    | 28.00 - 20.00                  |
| Cable Ø          | 2.20 - 3.20 mm                 |
| Status           | active                         |
| Matching parts   | <a href="#">ERA.1S.405.CLL</a> |

### Download

[Request a quote](#)

[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

|                   |                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Shell Style/Model | FFB*: Straight plug, cable collet and safety locking ring                                                                     |
| Keying            | Circular, male                                                                                                                |
| 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 |
| Weight            | 18.49 g                                                                                                                       |

### Performance

|               |                           |
|---------------|---------------------------|
| Configuration | 1S.405 : 1 High Voltage   |
| Insulator     | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 8 Amps                    |

### Specifications

|                         |         |
|-------------------------|---------|
| Contact Type:           | Solder  |
| Test voltage (kV DC)    | 10.5    |
| Test voltage (kV AC)    | 7.5     |
| Creepage distance min.: | 10.5 mm |

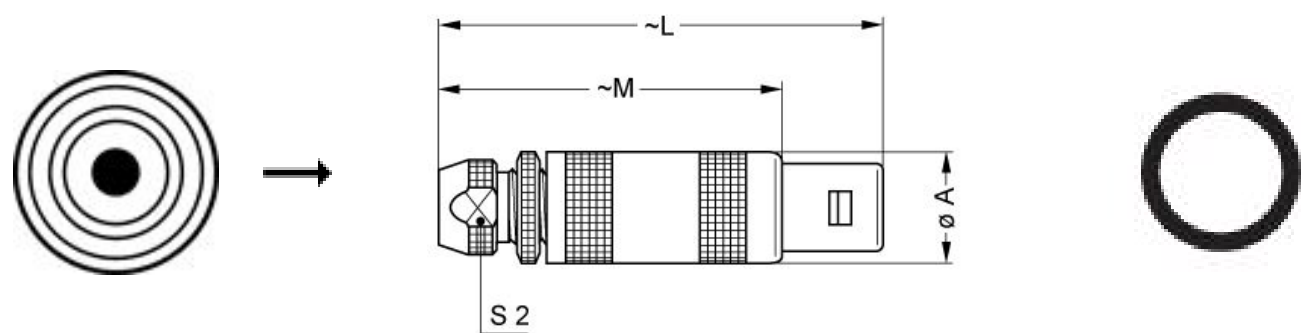
### Others

Endurance (Shell): 5000 mating cycles

LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

Temp (min / max): -55° C / +250° C  
Humidity (max): <=95% [at 60 deg C / 140 F]  
Vibration: 15 g [10 Hz - 2000 Hz]  
Shock Resistance: 100 g [ 6 ms]  
Climatical Category: 50/175/21  
Shielding (min): 75 dB (10 MHz)  
Shielding (min): 40 dB (1 GHz)  
Salt Spray Corrosion: >144 hr

## DRAWINGS



### Dimensions

|     | A    | L    | M    | S2   |
|-----|------|------|------|------|
| mm. | 12   | 45   | 34   | 8.5  |
| in. | 0,47 | 1,77 | 1,34 | 0,33 |

## RECOMMENDED BY LEMO

### Tools

Spanner wrench: [DCD.1S.015.PA085](#)

LEMO products and services are provided “as is”. LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.

*LEMO products and services are provided "as is". LEMO makes no warranties or representations with regard to LEMO product & services or use of them, express, implied or statutory, including for accuracy, completeness, or security. The user is fully responsible for his products and applications using LEMO components.*

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

LEMO:

[FFB.1S.405.CLAC32](#)