

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 | 4.20 - 5.20 mm |
| Status | active |
| Matching parts | ERA.1S.405.CTL |

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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 | 18.45 g |

Performance

| | |
|---------------|-------------------------|
| Configuration | 1S.405 : 1 High Voltage |
| Insulator | T: PTFE |
| 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 |

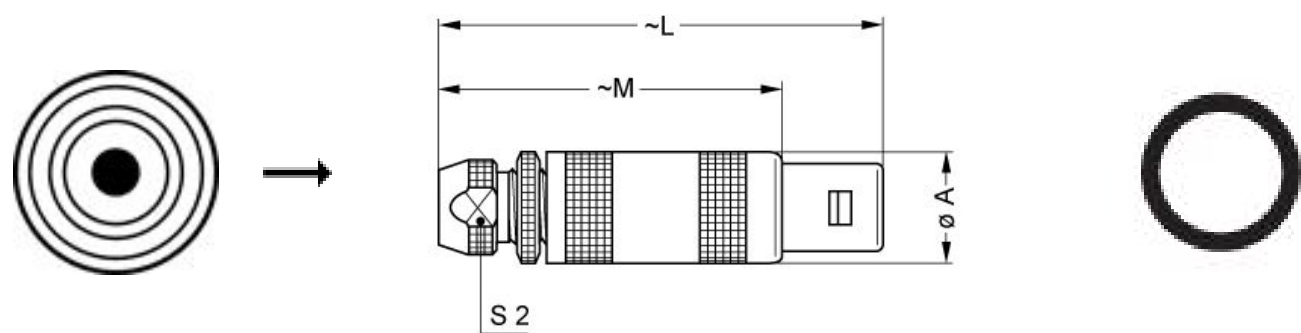
Others

| | |
|--------------------|--------------------|
| Endurance (Shell): | 5000 mating cycles |
|--------------------|--------------------|

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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](#)

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