

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

| | |
|------------------|------------------------------------|
| Series | 1S |
| Termination type | Female solder |
| IP rating | 50 |
| AWG wire size | 30.00 - 22.00 |
| Cable Ø | 3.20 - 4.20 mm |
| Status | active |
| Matching parts | FFA.1S.304.CLAC42Z |

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TECHNICAL DETAILS

Mechanics

| | |
|-------------------|---|
| Shell Style/Model | PCA*: Free receptacle, cable collet and nut for fitting a bend relief |
| Keying | Hermaphroditic keying (half moon insert) with female pin 1 |
| 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 |
| Variant | Z : Nut for fitting a bend relief |
| Weight | 20.83 g |

Performance

| | |
|---------------|---------------------------|
| Configuration | 1S.304 : 4 Low Voltage |
| Insulator | L: PEEK (UL 94 / V-0/1.5) |
| Rated Current | 10 Amps |

Specifications

| | |
|-----------------------|-------------------------------|
| Contact Type: | Solder |
| Contact Dia.: | 0.9 mm (0.0354in) |
| Bucket Dia.: | 0.8 mm (0.031in) |
| Max. Solid Conductor: | 0.34 mm ² (AWG 22) |
| R (max): | 4.8 mOhm |
| Vtest: | 1200 V (AC), 1800 V (DC) |

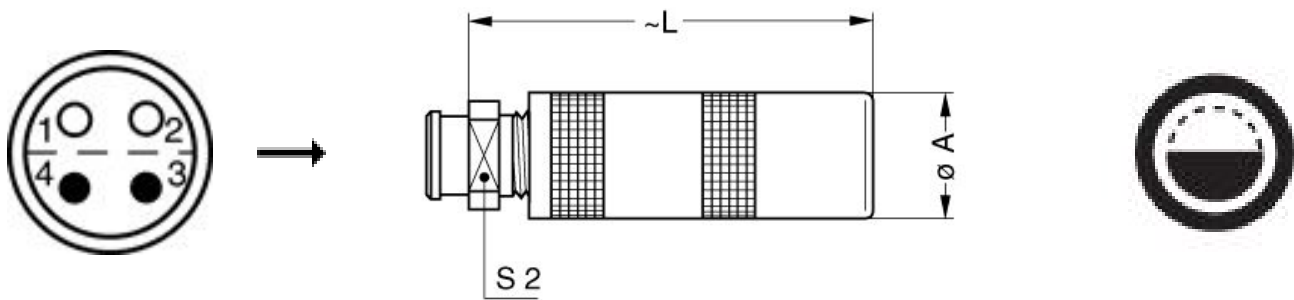
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Air clearance min.: 1.1 mm
Creepage distance min.: 1.1 mm

Others

Endurance (Shell): 5000 mating cycles
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 | S2 |
|-----|------|------|------|
| mm. | 11.9 | 40.5 | 9 |
| in. | 0,47 | 1,59 | 0,35 |




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Tools

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Spanner wrench: [DCD.1B.015.PA090](#)

Cables

| | | | |
|-------|------|-------|---|
| 40080 | PVC | Black | |
| 40086 | PVC | Blue | |
| 40140 | PVC | Black |  |
| 40240 | PTFE | White |  |
| 4260 | PTFE | White |  |

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