

SUMMARY

Wires

Low voltage 12



Image is for illustrative purpose only

Series 4K
Termination type Female solder
IP rating 68
AWG wire size 28.00 - 20.00
Cable Ø 14.10 - 15.00 mm
Status active
Matching parts [FGG.4K.312.CLAC15Z](#)

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TECHNICAL DETAILS

Mechanics

Shell Style/Model PH*: Free receptacle, cable collet and nut for fitting a bend relief
Keying 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
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 154.64 g

Performance

Configuration 4K.312 : 12 Low Voltage
Insulator L: PEEK (UL 94 / V-0/1.5)
Rated Current 12 Amps

Specifications

Contact Type: Solder
Contact Dia.: 1.3 mm (0.051in)
Bucket Dia.: 1 mm (0.039in)
Max. Solid Conductor: 0.5 mm² (AWG 20)
Max. Stranded Conductor: 0.5 mm² (AWG 20)
R (max): 3.6 mOhm

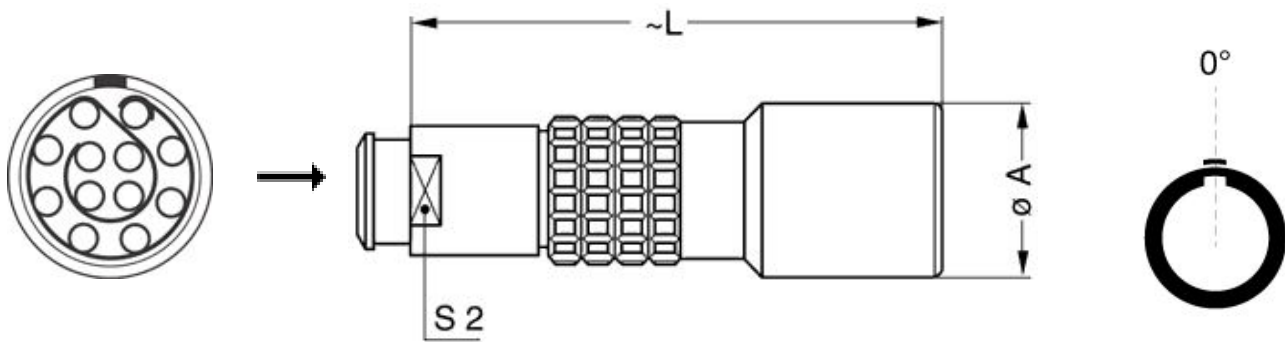
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Vtest (contact-shell): 1600 V (AC), 2250 V (DC)
Vtest (contact-contact): 1450 V (AC), 2050 V (DC)

Others

Endurance (Shell): 5000 mating cycles
Temp (min / max): -55°C / +200°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): 95 dB (10 MHz)
Shielding (min): 80 dB (1 GHz)
Salt Spray Corrosion: >1000 hr

DRAWINGS



Dimensions

| | A | L | S2 |
|-----|------|------|------|
| mm. | 29 | 75.5 | 19 |
| in. | 1,14 | 2,97 | 0,75 |

RECOMMENDED BY LEMO

Tools

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Spanner wrench: [DCD.4E.050.PA190](#)

Cables

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