

## 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	<a href="#">FGG.4K.312.CLAC15Z</a>

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[Catalog](#)

## 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 mm<sup>2</sup> (AWG 20)  
 Max. Stranded Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
 R (max): 3.6 mOhm

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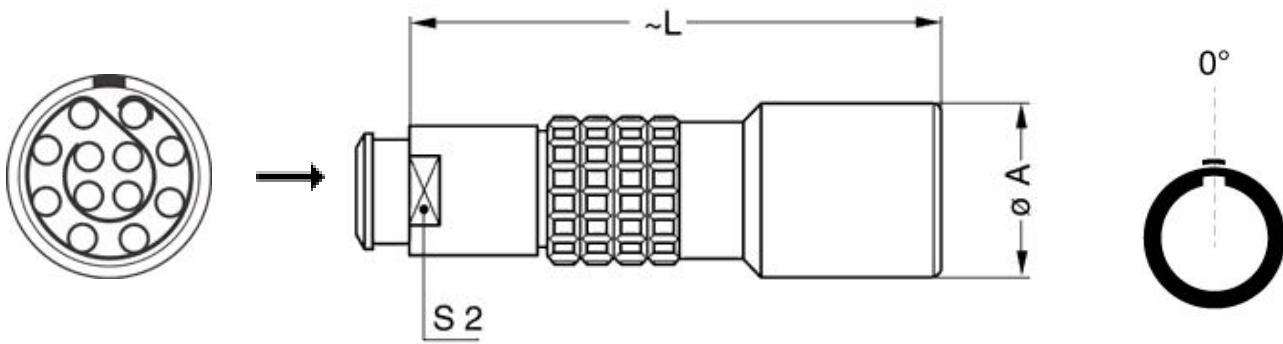
Vtest (contact-shell): 1600 V (AC), 2250 V (DC)  
Vtest (contact-contact): 1450 V (AC), 2050 V (DC)

## 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

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## DRAWINGS



## Dimensions

	A	L	S2
mm.	29	75,5	19
in.	1,14	2,97	0,75

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## RECOMMENDED BY LEMO

### Tools

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Spanner wrench:

[DCD.4E.050.PA190](#)

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