

## SUMMARY

### # Wires

Low voltage 10



*Image is for illustrative purpose only*

Series	2K
Termination type	Female solder
IP rating	68
AWG wire size	30.00 - 22.00
Cable Ø	9.10 - 9.50 mm
Status	active
Matching parts	<a href="#">FGG.2K.310.CLAK95</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	PH*: Free receptacle with oversize cable collet
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

### Performance

Configuration	2K.310 : 10 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	8 Amps

### Specifications

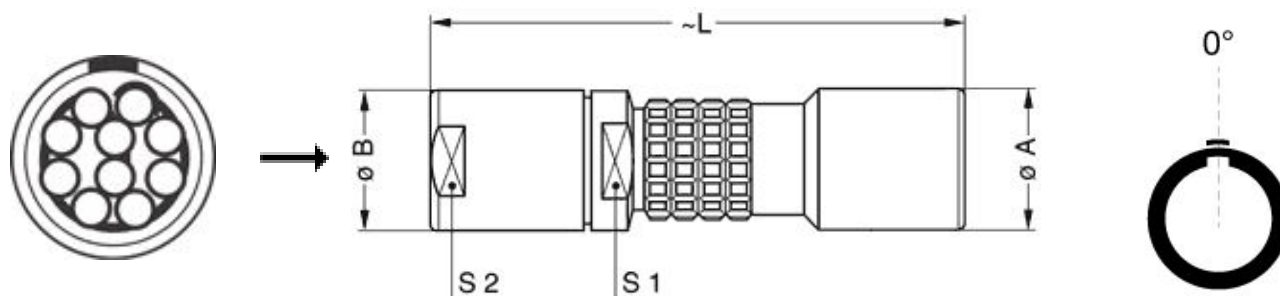
Contact Type:	Solder
Contact Dia.:	0.9 mm (0.035in)
Bucket Dia.:	0.8 mm (0.031in)
Max. Solid Conductor:	0.34 mm <sup>2</sup> (AWG 22)
Max. Stranded Conductor:	0.34 mm <sup>2</sup> (AWG 22)
R (max):	4.8 mOhm
V <sub>test</sub> (contact-shell):	1300 V (AC), 1840 V (DC)
V <sub>test</sub> (contact-contact):	1450 V (AC), 2050 V (DC)

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## 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	B	L	S1	S2
mm.	19	17	70	15	15
in.	0,75	0,67	2,76	0,59	0,59

## RECOMMENDED BY LEMO

### Tools

Spanner wrench: [DCD.2E.020.PA120](#)

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