

## SUMMARY

### # Wires

Low voltage 10



*Image is for illustrative purpose only*

Series	2K
Termination type	Female crimp
IP rating	68 mated (mating interface)
AWG wire size	24.00 - 20.00
Cable Ø	8.10 - 8.50 mm
Status	active
Matching parts	<a href="#">FGG.2K.310.CYCC85Z</a>

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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, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Variant	Z : Nut for fitting a bend relief
Weight	45.77 g

### Performance

Configuration	2K.310 : 10 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	8 Amps

### Specifications

Contact Type:	Crimp
Contact Retention:	30 N
Contact Dia.:	0.9 mm (0.035in)
Bucket Dia.:	1.1 mm (0.043in)
Min. Conductor:	0.25 mm <sup>2</sup> (AWG 24)
Max. Conductor:	0.5 mm <sup>2</sup> (AWG 20)

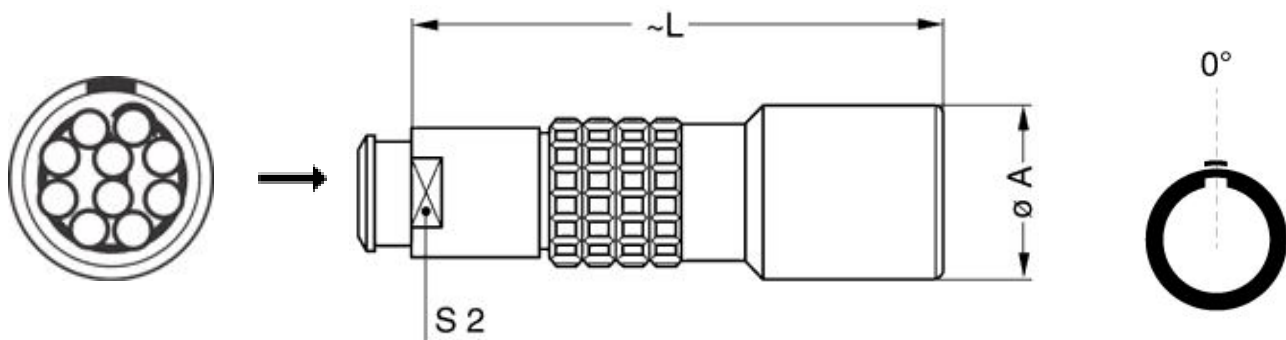
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R (max): 4.8 mOhm  
Vtest (contact-shell): 2100 V (AC), 2970 V (DC)  
Vtest (contact-contact): 1800 V (AC), 2550 V (DC)

## 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.	19	54	12
in.	0,75	2,13	0,47

## RECOMMENDED BY LEMO

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## Tools

Crimp Tool:	<a href="#">DPC.91.701.V</a>
Crimp settings:	AWG/Selector = 20-22-24/6-5-5
Positionner:	<a href="#">DCE.91.092.BVM</a>
Extractor:	<a href="#">DCC.09.05B.LAG</a>
Replacement contact:	EGG.2B.660.ZZM
Spanner wrench:	<a href="#">DCD.2E.ZZZ.PA120</a>

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