

## SUMMARY

### # Wires

Low voltage 20



*Image is for illustrative purpose only*

Series	4K
Termination type	Female crimp
IP rating	68
AWG wire size	24.00 - 20.00
Cable Ø	19.60 - 20.50 mm
Status	active
Matching parts	<a href="#">FGG.4K.320.CYCK20</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
Weight	231.72 g

### Performance

Configuration	4K.320 : 20 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)  
R (max): 4.8 mOhm  
Vtest (contact-shell): 950 V (AC), 1340 V (DC)

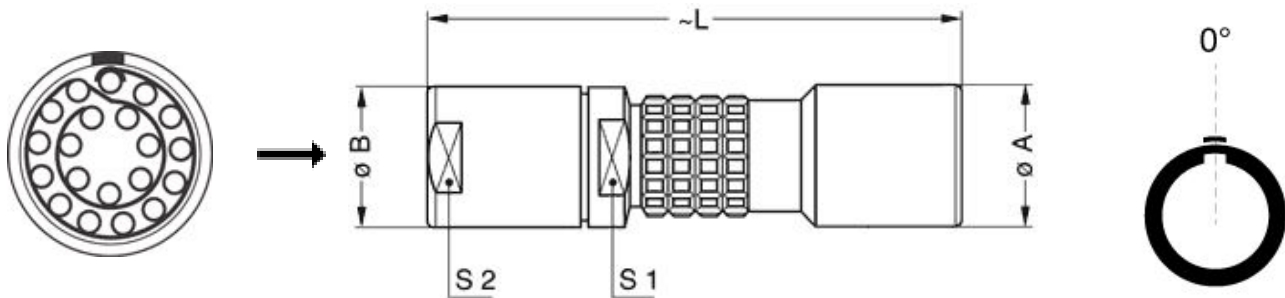
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Vtest (contact-contact): 1050 V (AC), 1490 V (DC)

## 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	B	L	S1	S2
mm.	29	36	124	30	32
in.	1,14	1,42	4,88	1,18	1,26

## RECOMMENDED BY LEMO

### Tools

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Crimp Tool: [DPC.91.701.V](#)  
Crimp settings: AWG/Selector = 20-22-24/6-5-5  
Positionner: [DCE.91.094.BVM](#)  
Extractor: [DCF.91.093.5LT](#)  
Replacement contact: EGG.4B.660.ZZM  
Spanner wrench: [DCD.4E.050.PA190](#)

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