

## SUMMARY

### # Wires

Low voltage 3



*Image is for illustrative purpose only*

Series	OK
Termination type	Male crimp
IP rating	68 when mated
AWG wire size	24.00 - 20.00
Cable Ø	4.60 - 5.00 mm
Status	active
Alternative part	<a href="#">FGG.0K.303.CYCK50Z</a>
Matching parts	<a href="#">EGG.0K.303.CYM</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FG*: Straight plug, 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	13.17 g

### Performance

Configuration	OK.303 : 3 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)

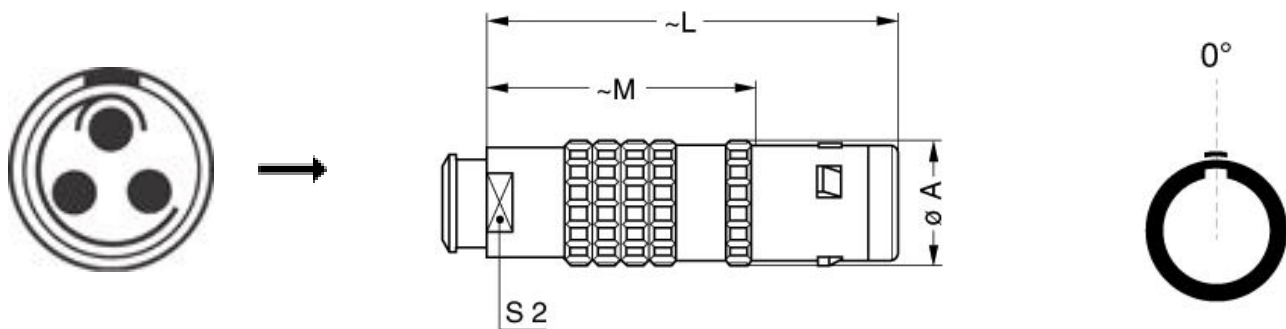
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R (max): 4.8 mOhm  
 Vtest (contact-shell): 1600 V (AC), 2300 V (DC)  
 Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

## 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	M	S2
mm.	11	34	23	7
in.	0,43	1,34	0,91	0,28

## 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.91.090.BVC</a>
Extractor:	<a href="#">DCC.09.05B.LAG</a>
Replacement contact:	FGG.0B.560.ZZC
Spanner wrench:	<a href="#">DCD.0E.ZZZ.PA070</a>
Caps:	<a href="#">BFG.0K.100.NAS</a>

## Cables

CMN.03.T20.049PGZE		Grey	
CMN.03.T20.049PNZE			
130240	PVC	Black	
3220	PVC	Black	
60080	PVC	Grey	

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