

## SUMMARY

### # Wires

Low voltage 5



*Image is for illustrative purpose only*

Series	3K
Termination type	Male crimp
IP rating	68
AWG wire size	18.00 - 14.00
Cable Ø	6.60 - 7.00 mm
Status	active
Matching parts	<a href="#">EGG.3K.305.CYM</a>

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[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FG*: Straight plug, 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	3K.305 : 5 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	19 Amps

### Specifications

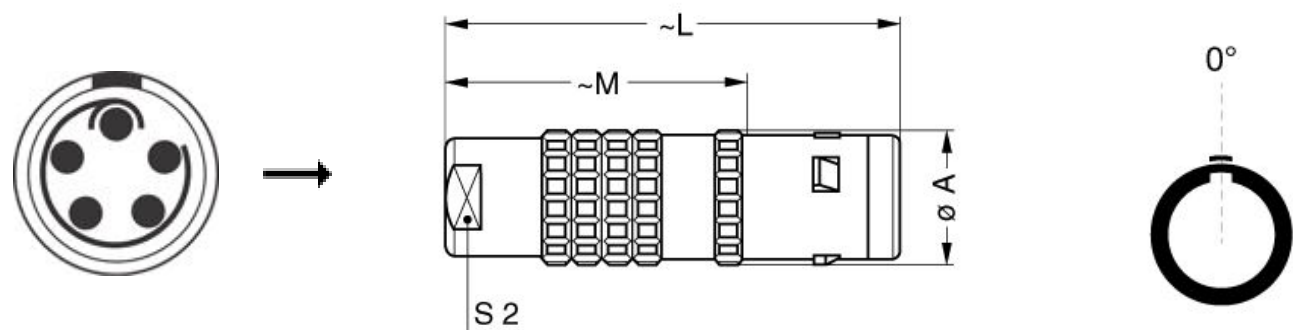
Contact Type: Crimp
Contact Retention: 50 N
Contact Dia.: 1.6 mm (0.063in)
Bucket Dia.: 1.9 mm (0.075in)
Min. Conductor: 1 mm <sup>2</sup> (AWG 18)
Max. Conductor: 1.5 mm <sup>2</sup> (AWG 14)
R (max): 3.5 mOhm
Vtest (contact-shell): 1750 V (AC), 2500 V (DC)
Vtest (contact-contact): 2400 V (AC), 3390 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	L	M	S2
mm.	19	61	41	15
in.	0,75	2,40	1,61	0,59

RECOMMENDED BY LEMO

Tools

Crimp Tool: [DPC.91.101.A](#)  
Crimp settings: AWG/Selector = 14-16-18/7-6-5

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Positionner:	<a href="#">DCE.91.163.BVCM</a>
Extractor:	<a href="#">DCF.91.163.5LT</a>
Replacement contact:	FGG.3B.570.ZZC
Spanner wrench:	<a href="#">DCD.3E.030.PA150</a>
Caps:	<a href="#">BFG.3K.100.NAS</a>

Cables

250500	PVC	Grey	
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