

## SUMMARY

### # Wires

Low voltage	16
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*Image is for illustrative purpose only*

Series	3K
Termination type	Male crimp
IP rating	68
AWG wire size	24.00 - 20.00
Cable Ø	4.60 - 5.00 mm
Status	active
Matching parts	<a href="#">EGG.3K.316.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.316 : 16 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
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):	1500 V (AC), 2150 V (DC)
Vtest (contact-contact):	1800 V (AC), 2550 V (DC)

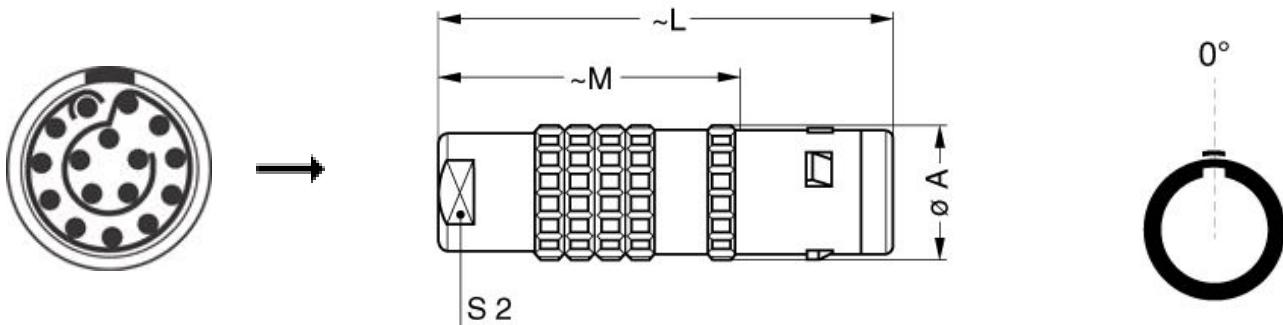
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## Others

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

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## DRAWINGS



## Dimensions

	A	L	M	S2
mm.	19	61	41	15
in.	0,75	2,40	1,61	0,59

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## RECOMMENDED BY LEMO

### Tools

Crimp Tool: [DPC.91.701.V](#)

Crimp settings: AWG/Selector = 20-22-24/6-5-5

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Positionner:	<a href="#"><u>DCE.91.093.BVC</u></a>
Extractor:	<a href="#"><u>DCF.91.093.5LT</u></a>
Replacement contact:	FGG.3B.560.ZZC
Spanner wrench:	<a href="#"><u>DCD.3E.030.PA150</u></a>
Caps:	<a href="#"><u>BFG.3K.100.NAS</u></a>

## Cables

CMN.16.T30.047QGZE	TPR (medical)	Grey	
16050	PVC	Black	

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