

## SUMMARY

### # Wires

Low voltage 8



*Image is for illustrative purpose only*

Series	3K
Termination type	Male crimp
IP rating	68
AWG wire size	20.00 - 18.00
Cable Ø	10.60 - 12.00 mm
Status	active
Matching parts	<a href="#">EGG.3K.308.CYM</a>

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## TECHNICAL DETAILS

### Mechanics

Shell Style/Model	FG*: Straight plug 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	102.68 g

### Performance

Configuration	3K.308 : 8 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	13 Amps

### Specifications

Contact Type: Crimp
Contact Retention: 40 N
Contact Dia.: 1.3 mm (0.051in)
Bucket Dia.: 1.4 mm (0.055in)
Min. Conductor: 0.5 mm <sup>2</sup> (AWG 20)
Max. Conductor: 1 mm <sup>2</sup> (AWG 18)
R (max): 3.6 mOhm
Vtest (contact-shell): 1750 V (AC), 2500 V (DC)

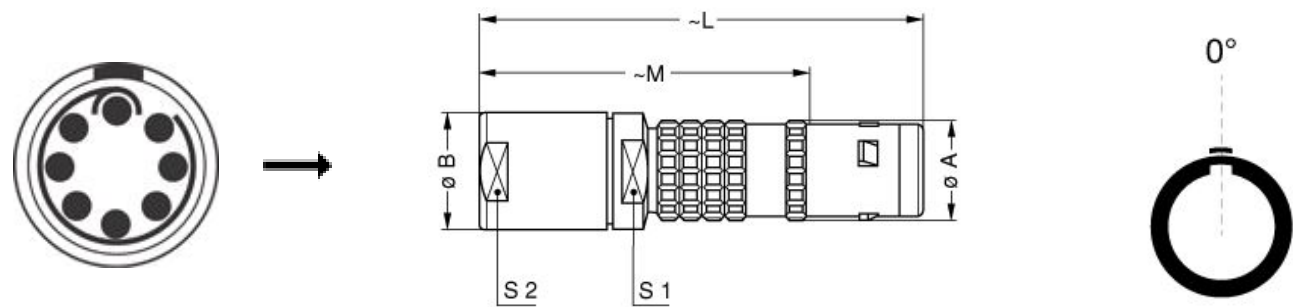
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Vtest (contact-contact): 1850 V (AC), 2600 V (DC)

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	M	S1	S2
mm.	19	22	85	65	19	19
in.	0,75	0,87	3,35	2,56	0,75	0,75

RECOMMENDED BY LEMO

Tools

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Crimp Tool:	<a href="#">DPC.91.701.V</a>
Crimp settings:	AWG/Selector = 18-20/8-7
Positionner:	<a href="#">DCE.91.133.BVC</a>
Extractor:	<a href="#">DCF.91.133.5LT</a>
Replacement contact:	FGG.3B.565.ZZC
Spanner wrench:	<a href="#">DCD.3E.030.PA150</a>
Caps:	<a href="#">BFG.3K.100.NAS</a>

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