

SUMMARY

Wires

Low voltage 5



Image is for illustrative purpose only

Series	3K
Termination type	Male crimp
IP rating	68
AWG wire size	22.00 - 18.00
Cable Ø	8.10 - 8.50 mm
Status	active
Matching parts	EGG.3K.305.CLL

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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
Weight	66.74 g

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.: 1.4 mm (0.055in)
Min. Conductor: 0.34 mm² (AWG 22)
Max. Conductor: 1 mm² (AWG 18)
R (max): 3.5 mOhm
Vtest (contact-shell): 1750 V (AC), 2500 V (DC)

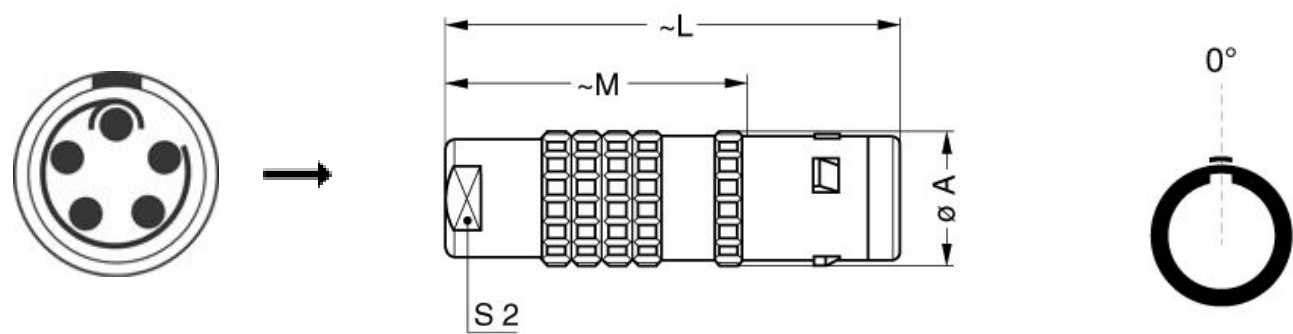
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Vtest (contact-contact): 2400 V (AC), 3390 V (DC)

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.	19	61	41	15
in.	0,75	2,40	1,61	0,59

RECOMMENDED BY LEMO

Tools

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Crimp Tool:	DPC.91.101.A
Crimp settings:	AWG/Selector = 18-20/8-7
Positionner:	DCE.91.163.BVCM
Extractor:	DCF.91.163.5LT
Replacement contact:	FGG.3B.571.ZZC
Spanner wrench:	DCD.3E.030.PA150
Caps:	BFG.3K.100.NAS

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