

SUMMARY

Wires

Low voltage 5



Image is for illustrative purpose only

Series	3K
Termination type	Male crimp
IP rating	68 mated (mating interface)
AWG wire size	18.00 - 14.00
Cable Ø	7.60 - 8.00 mm
Status	active
Matching parts	EGG.3K.305.CYM

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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, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Weight	67.54 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.: 1.9 mm (0.075in)
- Min. Conductor: 1 mm² (AWG 18)
- Max. Conductor: 1.5 mm² (AWG 14)
- R (max): 3.5 mOhm
- Vtest (contact-shell): 1750 V (AC), 2500 V (DC)

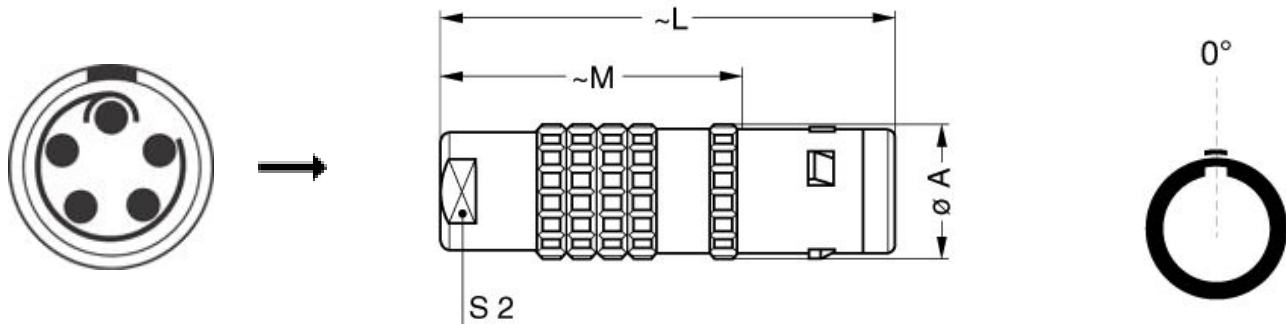
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Vtest (contact-contact): 2400 V (AC), 3390 V (DC)

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 = 14-16-18/7-6-5
Positionner: [DCE.91.163.BVCM](#)
Extractor: [DCC.16.25B.LAG](#)
Replacement contact: FGG.3B.570.ZZC
Spanner wrench: [DCD.3E.ZZZ.PA150](#)
Caps: [BFG.3K.100.NAS](#)

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