

SUMMARY

Wires

Low voltage 3



Image is for illustrative purpose only

Series 3K
Termination type Male crimp
IP rating 68
AWG wire size 16.00 - 12.00
Cable Ø 10.10 - 10.50 mm
Status active
Matching parts [EGG.3K.303.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 and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces

Performance

Configuration 3K.303 : 3 Low Voltage
Insulator Y: PEEK for crimp contacts
Rated Current 25 Amps

Specifications

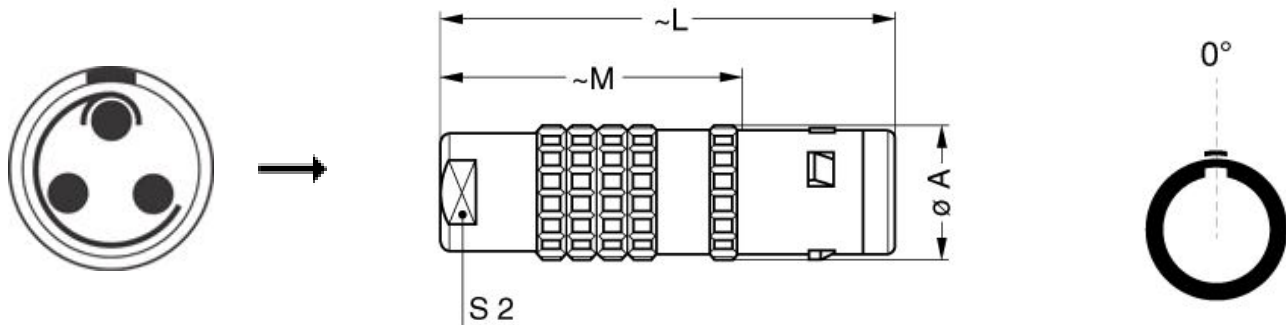
Contact Type: Crimp
Contact Retention: 65 N
Contact Dia.: 2 mm (0.079in)
Bucket Dia.: 2.4 mm (0.094in)
Min. Conductor: 1.5 mm² (AWG 16)
Max. Conductor: 2.5 mm² (AWG 12)
R (max): 3.3 mOhm
V_{test} (contact-shell): 2650 V (AC), 3750 V (DC)
V_{test} (contact-contact): 3200 V (AC), 4530 V (DC)

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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 = 12-14-16/7-6-5

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Positionner: [DCE.91.203.BVCM](#)
Extractor: [DCC.91.202.5LA](#)
Replacement contact: FGG.3B.575.ZZC
Spanner wrench: [DCD.3E.030.PA150](#)
Caps: [BFG.3K.100.NAS](#)

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[FGJ.1B.304.CLLD76](#) [FGJ.1B.306.CWLD72](#) [FGJ.3B.304.CYMD10Z](#) [FGJ.3B.304.CYMD82Z](#) [PCS.01.250.DLLE24](#) [PHG.0K.305.CYMC40Z](#)
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