

SUMMARY

Wires

Low voltage 3



Image is for illustrative purpose only

Series	3K
Termination type	Male solder
IP rating	68
AWG wire size	22.00 - 14.00
Cable Ø	7.10 - 7.50 mm
Status	active
Matching parts	EGG.3K.303.CLL

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug, cable adapter and nut for fitting a bend relief
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
Variant	Z : Nut for fitting a bend relief
Weight	67.53 g

Performance

Configuration	3K.303 : 3 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	25 Amps

Specifications

Contact Type: Solder
Contact Dia.: 2 mm (0.079in)
Bucket Dia.: 1.8 mm (0.071in)
Max. Solid Conductor: 1.5 mm² (AWG 14)
Max. Stranded Conductor: 1.5 mm² (AWG 16)
R (max): 3.3 mOhm

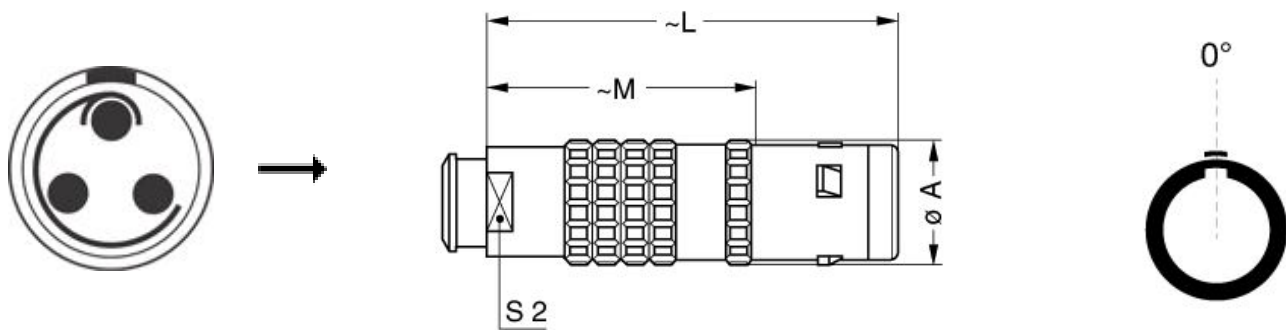
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Vtest (contact-shell): 1500 V (AC), 2150 V (DC)
Vtest (contact-contact): 1900 V (AC), 2700 V (DC)

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	60	40	15
in.	0,75	2,36	1,57	0,59

RECOMMENDED BY LEMO

Tools

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Spanner wrench: [DCD.3E.030.PA150](#)

Caps: [BFG.3K.100.NAS](#)

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