

SUMMARY

Wires

Low voltage 16



Image is for illustrative purpose only

Series	3K
Termination type	Male solder
IP rating	68
AWG wire size	30.00 - 22.00
Cable Ø	12.90 - 13.50 mm
Status	active
Matching parts	EGG.3K.316.CLL

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug with oversize cable collet 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	108.79 g

Performance

Configuration	3K.316 : 16 Low Voltage
Insulator	L: PEEK (UL 94 / V-0/1.5)
Rated Current	8 Amps

Specifications

Contact Type: Solder
Contact Dia.: 0.9 mm (0.035in)
Bucket Dia.: 0.8 mm (0.031in)
Max. Solid Conductor: 0.34 mm² (AWG 22)
Max. Stranded Conductor: 0.34 mm² (AWG 22)
R (max): 4.8 mOhm

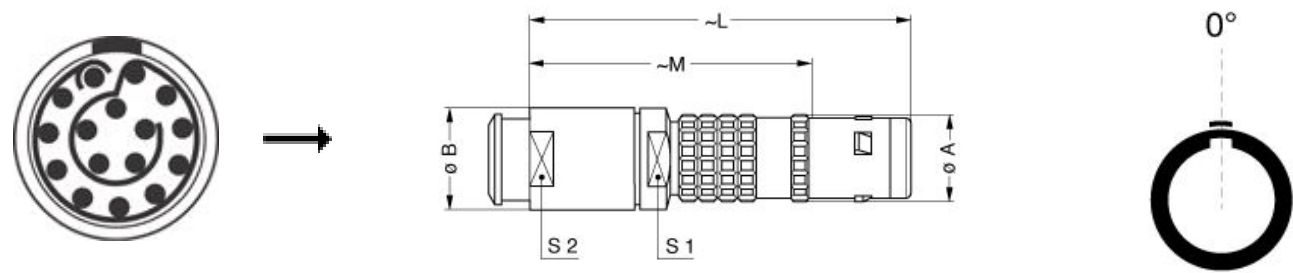
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Vtest (contact-shell): 850 V (AC), 1200 V (DC)
Vtest (contact-contact): 1200 V (AC), 1700 V (DC)

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	88	68	19	19
in.	0,75	0,87	3,46	2,68	0,75	0,75

RECOMMENDED BY LEMO

Tools

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

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

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