

SUMMARY

Wires

Low voltage 14



Image is for illustrative purpose only

Series	1K
Termination type	Male crimp
IP rating	68 mated (mating interface)
AWG wire size	32.00 - 28.00
Cable Ø	5.10 - 5.50 mm
Status	Active
Matching parts	EGG.1K.314.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, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Weight	23.55 g

Performance

Configuration	1K.314 : 14 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	2 Amps

Specifications

Contact Type: Crimp
Contact Retention: 12 N
Contact Dia.: 0.5 mm (0.02in)
Bucket Dia.: 0.45 mm (0.018in)
Min. Conductor: 0.035 mm² (AWG 32)
Max. Conductor: 0.09 mm² (AWG 28)
R (max): 8.7 mOhm
Vtest (contact-shell): 1600 V (AC), 2250 V (DC)

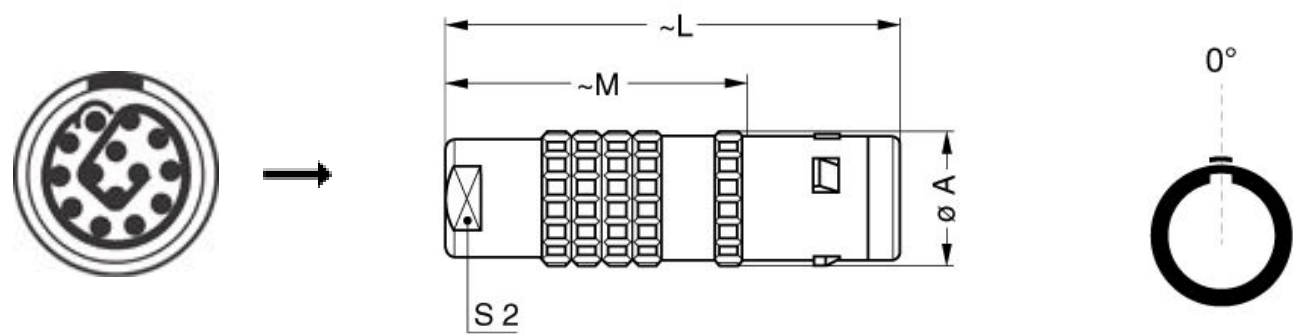
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Vtest (contact-contact): 950 V (AC), 1340 V (DC)

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.	13	42	28	9
in.	0,51	1,65	1,10	0,35

RECOMMENDED BY LEMO

Tools

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Crimp Tool:	DPC.91.701.V
Crimp settings:	AWG/Selector = 28-30-32/4-3-3
Positionner:	DCE.91.051.BVC
Extractor:	DCC.05.02B.LAG
Replacement contact:	FGG.1B.554.ZZC
Spanner wrench:	DCD.1E.ZZZ.PA090
Caps:	BFG.1K.100.NAS

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