

## SUMMARY

### # Wires

Low voltage 10



*Image is for illustrative purpose only*

Series 1K  
Termination type Male crimp  
IP rating 68  
AWG wire size 32.00 - 28.00  
Cable Ø 8.10 - 8.50 mm  
Status active  
Matching parts [EGG.1K.310.CLL](#)

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[Catalog](#)

## TECHNICAL DETAILS

### Mechanics

Shell Style/Model FH\*: Elbow plug, 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

### Performance

Configuration 1K.310 : 10 Low Voltage  
Insulator Y: PEEK for crimp contacts  
Rated Current 2.5 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 mm<sup>2</sup> (AWG 32)  
Max. Conductor: 0.09 mm<sup>2</sup> (AWG 28)  
R (max): 8.7 mOhm  
Vtest (contact-shell): 1800 V (AC), 2550 V (DC)

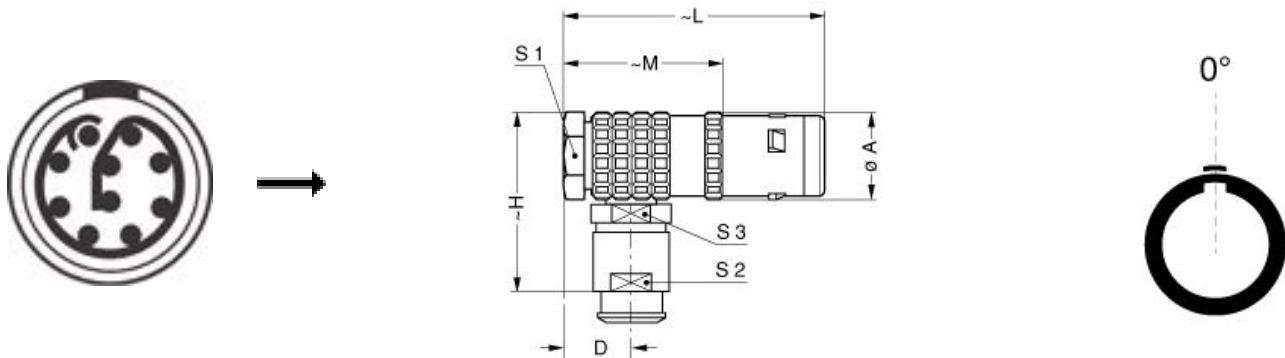
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Vtest (contact-contact): 1200 V (AC), 1700 V (DC)

## 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	D	L	M	S1	S2	S3
mm.	14	8.8	43	29	12	9	10
in.	0,55	0,35	1,69	1,14	0,47	0,35	0,39

## 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: [DCF.91.050.2LT](#)  
Replacement contact: FGG.1B.554.ZZC  
Spanner wrench: [DCD.1E.008.PA090](#)

## Cables

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