

SUMMARY

Wires

Low voltage	16
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Image is for illustrative purpose only

Series	1K
Termination type	Male crimp
IP rating	68
AWG wire size	32.00 - 28.00
Cable Ø	6.10 - 6.50 mm
Status	active
Matching parts	EGG.1K.316.CLL

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FH*: Elbow 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
Weight	34.60 g

Performance

Configuration	1K.316 : 16 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	1.5 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 ² (AWG 32)
Max. Conductor:	0.09 mm ² (AWG 28)
R (max):	8.7 mOhm
Vtest (contact-shell):	1600 V (AC), 2250 V (DC)

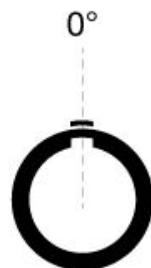
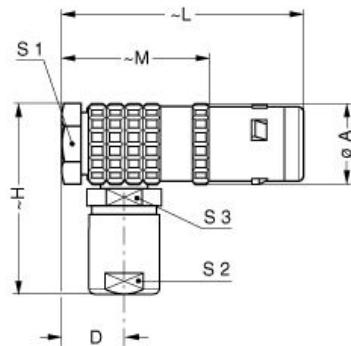
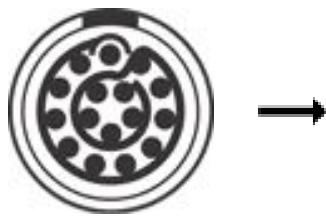
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Vtest (contact-contact): 950 V (AC), 1340 V (DC)

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	D	H	L	M	S1	S2	S3
mm.	14	8.8	33	43	29	12	9	10
in.	0,55	0,35	1,30	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

116280	PVC	Black	
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