

SUMMARY

Wires

Low voltage 3



Image is for illustrative purpose only

Series	1K
Termination type	Male crimp
IP rating	68
AWG wire size	20.00 - 18.00
Cable Ø	7.60 - 8.00 mm
Status	active
Matching parts	EGG.1K.303.CYM

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug with oversize 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	35.44 g

Performance

Configuration	1K.303 : 3 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	12 Amps

Specifications

Contact Type: Crimp
 Contact Retention: 40 N
 Contact Dia.: 1.3 mm (0.051in)
 Bucket Dia.: 1.4 mm (0.055in)
 Min. Conductor: 0.5 mm² (AWG 20)
 Max. Conductor: 1 mm² (AWG 18)
 R (max): 3.6 mOhm
 Vtest (contact-shell): 1850 V (AC), 2600 V (DC)

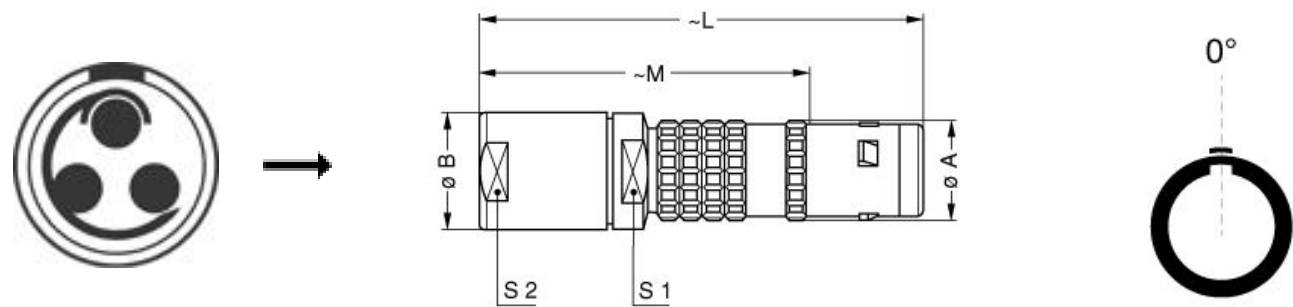
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Vtest (contact-contact): 1600 V (AC), 2250 V (DC)

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.	13	14.5	60	46	12	12
in.	0,51	0,57	2,36	1,81	0,47	0,47

RECOMMENDED BY LEMO

Tools

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Crimp Tool:	DPC.91.701.V
Crimp settings:	AWG/Selector = 18-20/8-7
Positionner:	DCE.91.131.BVC
Extractor:	DCF.91.131.2LT
Replacement contact:	FGG.1B.565.ZZC
Spanner wrench:	DCD.1E.008.PA090
Caps:	BFG.1K.100.NAS

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