

SUMMARY

Wires

Low voltage 4



Image is for illustrative purpose only

Series	1K
Termination type	Male crimp
IP rating	68
AWG wire size	24.00 - 20.00
Cable Ø	6.10 - 6.50 mm
Status	pre-release
Matching parts	EGA.1K.304.CYM

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug, cable collet and nut for fitting a bend relief
Keying	2 keys (alpha=30, 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

Performance

Configuration	1K.304 : 4 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	10 Amps

Specifications

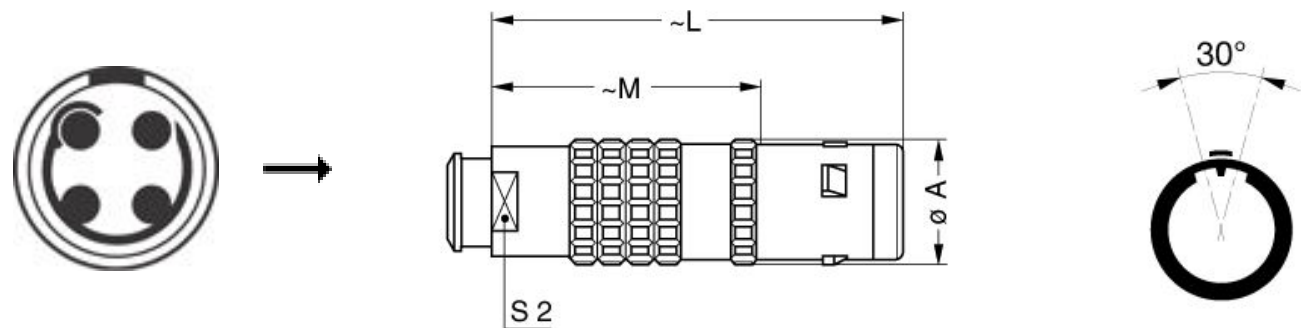
Contact Type: Crimp
Contact Retention: 30 N
Contact Dia.: 0.9 mm (0.035in)
Bucket Dia.: 1.1 mm (0.043in)
Min. Conductor: 0.25 mm ² (AWG 24)
Max. Conductor: 0.5 mm ² (AWG 20)
R (max): 4.8 mOhm
Vtest (contact-shell): 1800 V (AC), 2550 V (DC)
Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

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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

Crimp Tool: [DPC.91.701.V](#)
Crimp settings: AWG/Selector = 20-22-24/6-5-5

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Positionner: [DCE.91.091.BVC](#)
Extractor: [DCF.91.090.2LT](#)
Replacement contact: FGG.1B.560.ZZC
Spanner wrench: [DCD.1E.008.PA090](#)

Cables

240500	PVC	Grey	
417920	PVC	Grey	
CTR.75.030.121870G	PVC	Grey	

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