

SUMMARY

Wires

Low	5
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0



Image is for illustrative purpose only

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Series	3K
Termination type	Male crimp
IP rating	68
Cable Ø	7.60 - 8.00 mm
Matching parts	EGG.3K.305.CYM
Status	active
Alternative part	

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) shell and collet nut, nickel plated brass latch sleeve and mid pieces
Cable Fixing	C80: 7.6 - 8 mm
Variant	
Weight	67.54 g

Performance

Configuration	3K.305 : 5 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	19 Amps

Specifications

Contact Type: Crimp
Max. Matings: 5000
Contact Retention: 50 N

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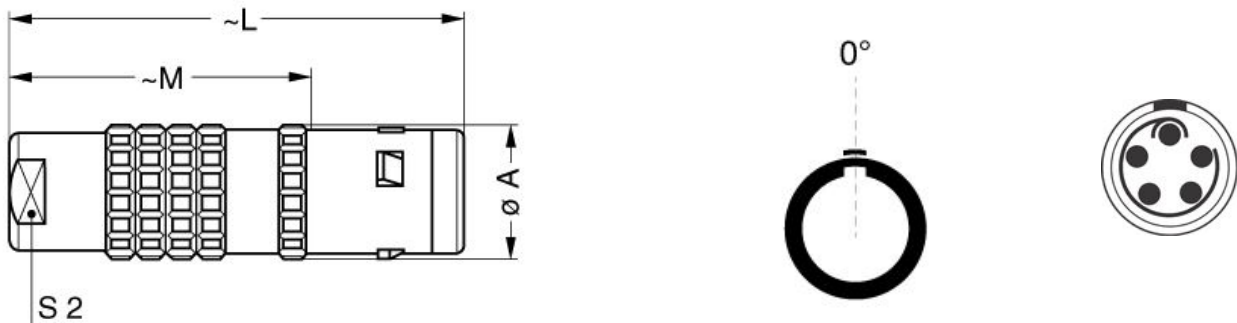
Contact Dia.: 1.6 mm (0.063in)
 Bucket Dia.: 1.9 mm (0.075in)
 Min. Conductor: 1 mm² (AWG 18)
 Max. Conductor: 1.5 mm² (AWG 14)
 R (max): 3.5 mOhm
 Vtest (contact-shell): 1750 V (AC), 2500 V (DC)
 Vtest (contact-contact): 2400 V (AC), 3390 V (DC)

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]
 Salt Spray Corrosion: >1000 hr
 Climatical Category: 50/175/21
 Shielding (min): 95 dB (10 MHz)
 Shielding (min): 80 dB (1 GHz)
 IP Rating: 68

DRAWINGS

Draws



Dimensions

	A	L	M	S2
mm.	19	61	41	15
in.	0,75	2,40	1,61	0,59

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RECOMMENDED BY LEMO

Tools

Crimp Tool: DPC.91.101.A

Crimp settings: AWG/Selector = 14-16-18/7-6-5

Positionner: DCE.91.163.BVCM

Extractor: DCF.91.163.5LT

Replacement contact: FGG.3B.570.ZZC

Spanner wrench: DCD.3E.030.PA150

Caps: BFG.3K.100.NAS

Cables

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