

SUMMARY



Image is for illustrative purpose only

Wires

Low voltage 20

Series	5K
Termination type	Female crimp
IP rating	68
AWG wire size	18.00 - 14.00
Cable Ø	19.60 - 20.50 mm
Status	active
Matching parts	FGG.5K.320.CYCC20

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	PH*: Free receptacle, 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	422.25 g

Performance

Configuration	5K.320 : 20 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	10 Amps

Specifications

Contact Type: Crimp
Contact Retention: 50 N
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): 2400 V (AC), 3390 V (DC)

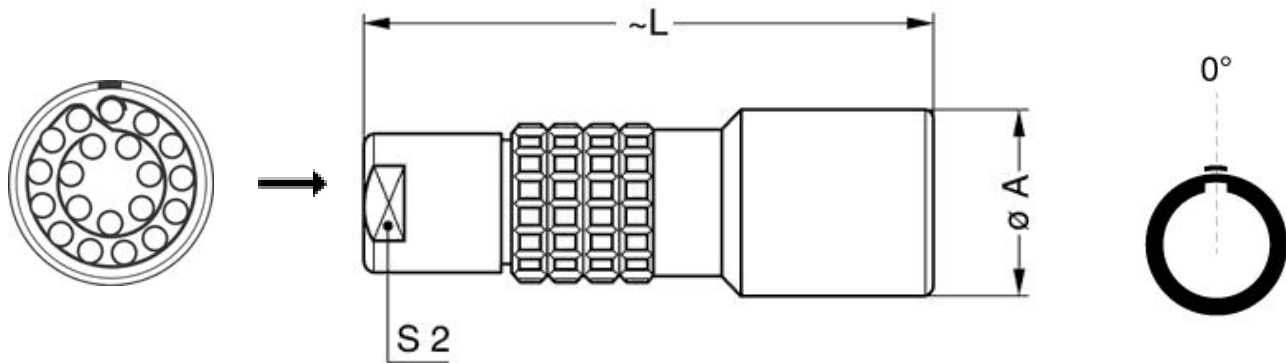
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Vtest (contact-contact): 2200 V (AC), 3110 V (DC)

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	L	S2
mm.	42	95	32
in.	1,65	3,74	1,26

RECOMMENDED BY LEMO

Tools

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Crimp Tool: [DPC.91.101.A](#)
Crimp settings: AWG/Selector = 14-16-18/7-6-5
Positionner: [DCE.91.165.BVCM](#)
Extractor: [DCF.91.163.5LT](#)
Replacement contact: EGG.5B.670.ZZM

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