

SUMMARY

Wires

Low voltage 3



Image is for illustrative purpose only

Series	3K
Termination type	Female crimp
IP rating	68 mated (mating interface)
AWG wire size	16.00 - 12.00
Cable Ø	7.60 - 8.00 mm
Status	Active
Matching parts	FGG.3K.303.CYCC80Z

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	PH*: Free receptacle, cable collet and nut for fitting a bend relief
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Housing Material	Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Variant	Z : Nut for fitting a bend relief

Performance

Configuration	3K.303 : 3 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	25 Amps

Specifications

Contact Type:	Crimp
Contact Retention:	65 N
Contact Dia.:	2 mm (0.079in)
Bucket Dia.:	2.4 mm (0.094in)
Min. Conductor:	1.5 mm ² (AWG 16)
Max. Conductor:	2.5 mm ² (AWG 12)
R (max):	3.3 mOhm
Vtest (contact-shell):	2650 V (AC), 3750 V (DC)

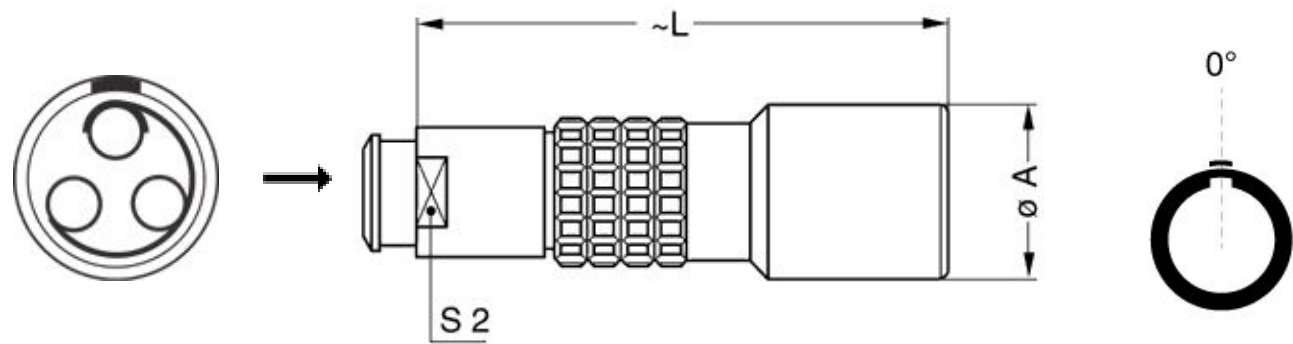
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Vtest (contact-contact): 3200 V (AC), 4530 V (DC)

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.	23	64	15
in.	0,91	2,52	0,59

RECOMMENDED BY LEMO

Tools

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- Crimp Tool:

[DPC.91.101.A](#)
- Crimp settings:

AWG/Selector = 12-14-16/8-7-6
- Positionner:

[DCE.91.203.BVCM](#)
- Extractor:

[DCC.20.25B.LAG](#)
- Replacement contact:

EGG.3B.675.ZZM
- Spanner wrench:

[DCD.3E.ZZZ.PA150](#)

Cables

CMN.03.T14.078PGCE			
330150	PVC	Grey	

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