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FGG.3K.303.CYCC80Z

SUMMARY

Wires

Low voltage	**3**



Image is for illustrative purpose only

Series	3K
Termination type	Male crimp
IP rating	68
AWG wire size	16.00 - 12.00
Cable Ø	7.60 - 8.00 mm
Status	active
Matching parts	EGG.3K.303.CYM

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug, cable adapter 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 and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and 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)

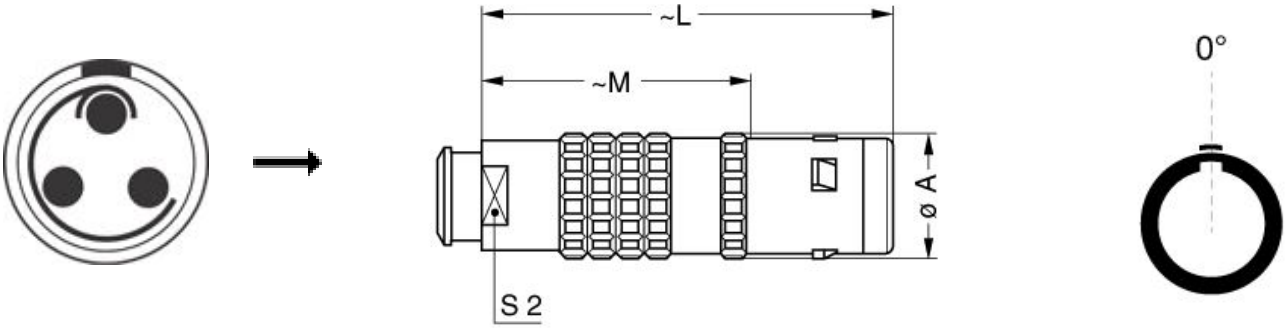
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Vtest (contact-contact): 3200 V (AC), 4530 V (DC)

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	M	S2
mm.	19	60	40	15
in.	0,75	2,36	1,57	0,59

RECOMMENDED BY LEMO

Tools

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Crimp Tool:	DPC.91.101.A
Crimp settings:	AWG/Selector = 12-14-16/7-6-5
Positionner:	DCE.91.203.BVCM
Extractor:	DCC.91.202.5LA
Replacement contact:	FGG.3B.575.ZZC
Spanner wrench:	DCD.3E.030.PA150
Caps:	BFG.3K.100.NAS

Cables

CMN.03.T14.078PGCE			
330150	PVC	Grey	

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