

SUMMARY

Wires

Low voltage 3



Image is for illustrative purpose only

Series	0B
Termination type	Male crimp
IP rating	50
AWG wire size	24.00 - 20.00
Cable Ø	3.30 - 4.20 mm
Status	obsolete
Alternative part	FGG.0B.303.CYCD42Z
Matching parts	EGG.0B.303.CYM

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[See video assembly instructions](#)

TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug, 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 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	0B.303 : 3 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	8 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):	1600 V (AC), 2250 V (DC)

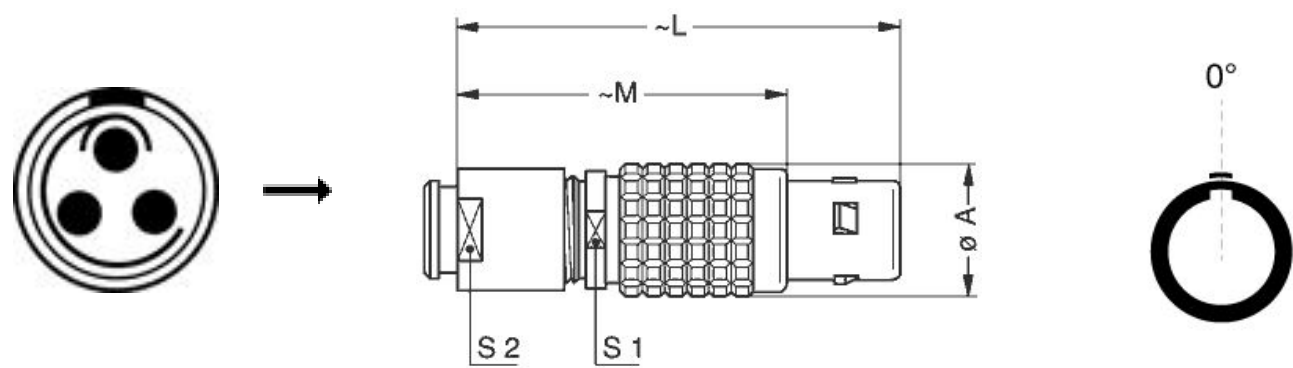
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Vtest (contact-contact): 1700 V (AC), 2400 V (DC)

Others

- Endurance (Shell): 5000
- Temp (min / max): -55°C / +250°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): 75 dB (10 MHz)
- Shielding (min): 40 dB (1 GHz)
- Salt Spray Corrosion: >1000 hr

DRAWINGS



Dimensions

	A	L	M	S1	S2
mm.	9.5	35	25	8	7
in.	0,37	1,38	0,98	0,31	0,28

RECOMMENDED BY LEMO

Tools

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Crimp Tool: [DPC.91.701.V](#)
Crimp settings: AWG/Selector = 20-22-24/6-5-5
Positionner: [DCE.91.070.BVC](#)
Extractor: [DCF.91.090.2LT](#)
Replacement contact: FGG.0B.560.ZZC
Spanner wrench: [DCD.0B.005.PA070](#)
Caps: [BFG.0B.100.PCSG](#)

Cables

30110	PVC	Grey	
3280	PVC	Black	

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