

## SUMMARY

### # Wires

Low	3
High	0
Coax	0
Triax	0
Quad	0
Fiber	0
Fluidic	0



*Image is for illustrative purpose only*

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Series	1B
Termination type	Male crimp
IP rating	50
Cable Ø	3.10 - 4.20 mm
Status	active
Alternative part	
Matching parts	<a href="#">EGG.1B.303.CLL</a> <a href="#">PHG.1B.303.CYMD42Z</a>

## 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) shell and collet nut, nickel plated brass latch sleeve and mid pieces
Variant	Z : Nut for fitting a bend relief
Weight	17.11 g

### Performance

Configuration	1B.303 : 3 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	12 Amps

### Specifications

Contact Type: Crimp
Contact Retention: 40 N
Contact Dia.: 1.3 mm (0.051in)

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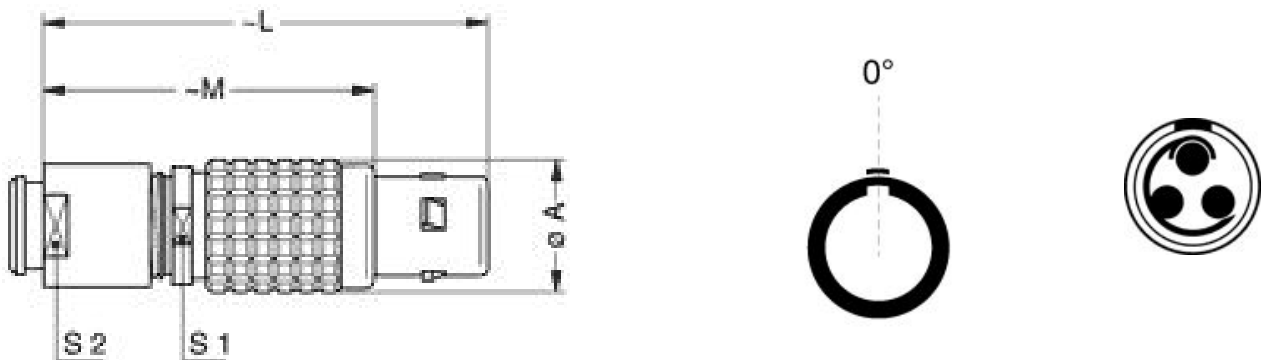
Bucket Dia.: 1.4 mm (0.055in)  
 Min. Conductor: 0.5 mm<sup>2</sup> (AWG 20)  
 Max. Conductor: 1 mm<sup>2</sup> (AWG 18)  
 R (max): 3.6 mOhm  
 Vtest (contact-shell): 1850 V (AC), 2600 V (DC)  
 Vtest (contact-contact): 1600 V (AC), 2250 V (DC)

## 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  
 IP Rating: 50

## DRAWINGS

### Draws



### Dimensions

	A	L	M	S1	S2
mm.	12	42	31	10	9
in.	0.47	1.65	1.22	0.39	0.35








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# RECOMMENDED BY LEMO

## Tools

Crimp Tool: DPC.91.701.V  
Crimp settings: AWG/Selector = 18-20/8-7  
Positionner: DCE.91.131.BVC  
Extractor: DCF.91.131.2LT  
Replacement contact: FGG.1B.565.ZZC  
Spanner wrench: DCD.1B.015.PA090  
Caps: BFG.1B.100.PCSG

## Cables

CMN.03.T28.031PGCE	PVC	GREY	
CMN.03.T28.031PGZE		Grey	
CMN.03.T28.031PNCE	PVC	Black	
CMN.03.T28.031PNZE			
003 081	PVC	Black	
003 280	PVC	Black	
030 110	PVC	Grey	
030 141	PVC	Grey	

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